Welcome

Welcome to the More4apps ERP Cloud Toolbox Projects Module.

Through the use of our Microsoft Excel ERP Cloud Toolbox Add-in, More4apps offers a new Oracle Cloud solution, providing assistance with data creation, maintenance and cleansing of the Oracle ERP Project Management Cloud module.

The Projects Module contains a growing list of Integrators. It currently performs the following:

Integrator	Tasks
Amend Contracts	Submit Amend for Active contracts
Assets and Assignments	Create, Update and Delete Project Assets. Create and Delete Asset Assignments at Project and Task Levels.
Award Budgets	Create, Update, and Delete Award Budget Version Headers. Create and Delete Planning Resources. Create Plan Lines with Planning Period Amounts.
Budgets	Create, Update, and Delete Budget Version Headers. Create and Update Planning Resources. Create and Update Plan Lines with Planning Period Amounts.
Costs	Create, Download and Delete Unprocessed Project Costs. Download Processed Project Costs. Use the Submit functionality to Import Costs. Use the Refresh functionality to retrieve Import results to the sheet.
Cost Adjustments	Download Processed Project Costs. Create Cost Adjustments for existing Costs.
Contracts	Create, Download and Update the Contract Header, Billing Controls, Party Contacts, Contract Lines, Bill Plans and Revenue Plans. Delete Contracts. Submit for Approval.
Events	Create, Download, Update and Delete Project Billing Events. Create and Update Events Additional Information (Descriptive Flexfields).
Financial Plan Resource Assignments	Create, Update, and Delete Resource Assignments against Financial Project Plan Tasks. Create and Update Planning Amounts and Plan Lines Descriptive Flexfields.
Financial Projects	Create and Update the Project Header. Create, Update and Delete Classifications, Team Members, Tasks, and Transaction Controls. Create Project Attachments. Create and Delete Customers and Provider Business Units.
Forecasts	Create, Update and Delete Forecast Version Headers. Create and Download Planning Options. Create and Update Planning Resources. Create and Update Plan Lines with Planning Period Amounts.
	Create, Download and Update Non Labor Rate Schedules.

Non Labor Rates	Create, Download and Update Non Labor Rates.
Job Rates	Create, Download and Update Job Rate Schedules. Create, Download and Update Job Rates.
Person Rates	Create, Download and Update Person Rate Schedules. Create, Download and Update Person Rates.
Planning RBS	Create and Update Resource Breakdown Structure assignments to a project. Create and Update Planning Resources against Resource Breakdown Structures assigned to a project.
Project Templates	Create and Download Project Template Headers. Create, Download and Delete Classifications. Create, Download and Delete Tasks. Create and Download Task Transaction Controls. Create and Download Project Transaction Controls. Create and Download Quick Entries.
Cost Rate Overrides	Create, Download and Update Cost Rate Overrides.
Bill Rate Overrides	Create, Download and Update Bill Rate Overrides.
Bill Plan Schedule Overrides	Create, Download and Update Bill Plan Schedule Overrides.
Revenue Plan Schedule Overrides	Create, Download and Update Bill Plan Schedule Overrides.

The Projects Module is an Excel user interface built to communicate with supported Oracle REST Web Services for the purpose of retrieving data from and uploading data to Oracle ERP Cloud. All standard features of Microsoft Excel are still available to the user and columns can be moved or deleted to suit user preference.

This document is written with the assumption the reader knows how to work within the Project Management Cloud module of Oracle ERP Cloud from a functional point of view. This document explains functionality up to and including the latest release. Refer to the Release Notes to explain the differences between module releases.

This module is supported on Oracle Cloud 20a (11.13.19.02.0) onwards. If any issues are encountered or you have any enhancement suggestions, please do not hesitate to contact us here.

Getting Started

Note, if you have not yet gone through the installation process for ERP Cloud Toolbox or the Projects Module, this is a prerequisite before attempting to use the product. Refer to the ERP Cloud Module and Add-In Installation Guide for steps.

Once installation is complete, upon opening Excel, the 'More4apps' Add-In will display in a permanent ribbon tab where all Integrator functions are located. Details of the Add-In functionality can be found in the ERP Cloud Toolbox Add-In User Guide.

Sections:
Integrator Privileges
Enabling BI Report Downloads

Integrator Privileges

The webservices used by our Integrators require Oracle privileges to operate*. All privileges are predefined by Oracle, and you only need to assign the privileges related to the Integrator you wish to use.

For a step-by-step guide on assigning privileges, refer to the Assigning Privileges section of our Installation Guide.

Important - To use any Integrator, two additional privileges are needed on top of the Integrator specific privileges listed below. See the “Required for any Integrator” section in the table for these privileges.

Integrator	Privilege Name and Code	Purpose
Required for any Integrator	Access Mobile CRM (ZMS_MOBILE_ACCESS_PRIV)	Provides the Upload Action lists of values such as ‘Create’, ‘Update’ etc.
	Manage Application Flexfield Value Set (FND_APP_MANAGE_FLEXFIELD_VALUE_SET_PRIV)	Retrieves value set values and display them as lists of values.
Amend Contracts	Amend Contracts by Web Service OKC_EDIT_CONTRACT_VIA_WEB_SERVICE_PRIV	Amend contracts
Assets & Assignments	Manage Project Capital Assets Service PJC_MANAGE_PROJECT_CAPITAL_ASSETS_SERVICE_PRIV	Enable Upload and Download of Asset & Assignments
	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of values for Project Numbers
Award Budgets	Manage Project Budget PJO_MANAGE_PROJECT_BUDGET_PRIV	Enable Upload and Download of Awards
	View Project Definition Basic Information PJF_VIEW_PROJECT_DEFINITION_PRIV	Lists of values for Planning RBS fields
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	Lists of values for Funding Source fields.
Budgets	Manage Project Budget PJO_MANAGE_PROJECT_BUDGET_PRIV	Enables Upload and Download of Project Budgets
	View Project Definition Basic Information PJF_VIEW_PROJECT_DEFINITION_PRIV	Lists of values for Planning RBS fields

	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of values for Project Numbers
	Get Enterprise Structures Using REST Service FUN_GET_ENTERPRISE_STRUCTURES_REST_SERVICE_PRIV	List of Values for General Ledger (Setup Form) List of Values for Starting Period (Setup Form)
Costs	Manage Project Expenditure Item PJC_MANAGE_PROJECT_EXPENDITURE_ITEM_PRIV	Enable Upload and Download of Costs
	Manage Project Unprocessed Expenditure Item PJC_MANAGE_PROJECT_UNPROCESSED_EXPENDITURE_ITEM_PRIV	Lists of values for the Business Unit field. Lists of values for the Funding Source Name field. List of Contract Numbers Unprocessed Project Costs
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	Download of Costs
Cost Adjustments	Manage Project Expenditure Item PJC_MANAGE_PROJECT_EXPENDITURE_ITEM_PRIV	Enable Upload and Download of Costs
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	Lists of values for the Business Unit field. Lists of values for the Funding Source Name field.
Contracts	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of Values for Project Numbers
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Organizations
	Edit Contract by Web Service OKC_EDIT_CONTRACT_VIA_WEB_SERVICE_PRIV	Create, Update, Amend, Delete contracts

Cost Rate Overrides	Manage Project Task Cost Rate Overrides Service PJF_MANAGE_PROJECT_TASK_COST_RATE_OVERRIDES_SERVICE_PRIV	Manage Cost Rate Overrides
Bill Plan Schedule Overrides	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of Values for Project Numbers
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Organizations
	Edit Contract by Web Service OKC_EDIT_CONTRACT_VIA_WEB_SERVICE_PRIV	Create, Update, Amend, Delete contracts
Bill Rate Overrides	Manage Contract Bill Rate Overrides Service PJF_MANAGE_CONTRACT_BILL_RATE_OVERRIDES_SERVICE_PRIV	Manage Bill Rate Overrides
Events	View Contract OKC_VIEW_CONTRACT_PRIV	List of values for Contracts
	Manage Project Billing Event PJB_MANAGE_PROJECT_BILLING_EVENT_PRIV	Create, Update, Delete Events
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Event Types List of values for Business Units List of values for Organizations
	Manage Project Unprocessed Expenditure Item PJC_MANAGE_PROJECT_UNPROCESSED_EXPENDITURE_ITEM_PRIV	List of values for Currencies
Financial Plan Resource Assignments	Manage Project Plan Resource Assignment PJO_MANAGE_PROJECT_PLAN_RESOURCE_ASSIGNMENT_PRIV	Enable Upload and Download of Financial Plan Resource Assignment
	View Project Definition Basic Information PJF_VIEW_PROJECT_DEFINITION_PRIV	Lists of values for Planning RBS fields
Financial Projects	Manage Project Service PJF_MANAGE_PROJECT_SERVICE_PRIV	Upload and Download of Projects
	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	Download only for Projects (Optional)
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Organizations List of values for Project Roles List of values for Burden Schedule

		List of values for Class Codes
	Get Enterprise Structures Using REST Service FUN_GET_ENTERPRISE_STRUCTURES_REST_SERVICE_PRIV	List of Values for Project Currency Conversion Rate Type
Forecasts	Manage Project Financial Plans Service PJO_MANAGE_PROJECT_FINANCIAL_PLANS_SERVICE_PRIV	Enables Upload and Download of Project Forecasts
	View Project Definition Basic Information PJF_VIEW_PROJECT_DEFINITION_PRIV	Lists of values for Planning RBS fields
	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of values for Project Numbers
	Get Enterprise Structures Using REST Service FUN_GET_ENTERPRISE_STRUCTURES_REST_SERVICE_PRIV	List of Values for General Ledger (Setup Form) List of Values for Starting Period (Setup Form)
Job Rates	Manage Project Rate Schedule (PJF_MANAGE_PROJECT_RATE_SCHEDULE_PRIV)	Manage Job Rate Schedules
Non Labor Rates	Manage Project Rate Schedule (PJF_MANAGE_PROJECT_RATE_SCHEDULE_PRIV)	Manage Non Labor Rate Schedules
Person Rates	Manage Project Rate Schedule (PJF_MANAGE_PROJECT_RATE_SCHEDULE_PRIV)	Manage Person Rate Schedules
Planning RBS	Manage Project Planning Resource Breakdown Structure Version PJF_MANAGE_PROJECT_PLANNING_RESOURCE_BREAKDOWN_STRUCTURE_VERSION_PRIV	Allows updating of project resource breakdown structures for the projects for which the user is authorized.
	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of values for Project Numbers
Project Templates	Manage Project Template PJF_MANAGE_PROJECT_TEMPLATE_PRIV	Enable Upload and Download of Project Templates
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Organizations. List of values for Specification Team Member.

	Get Enterprise Structures Using REST Service FUN_GET_ENTERPRISE_STRUCTURES_REST_SERVICE_PRIV	List of Values for Project Currency Conversion Rate Type
Revenue Plan Schedule Overrides	View Project Service PJF_VIEW_PROJECT_SERVICE_PRIV	List of Values for Project Numbers
	Get Project Setups PJF_GET_PROJECT_SETUPS_PRIV	List of values for Organizations
	Edit Contract by Web Service OKC_EDIT_CONTRACT_VIA_WEB_SERVICE_PRIV	Create, Update, Amend, Delete contracts

**More4apps assumes you will have granted roles (data, duty, job, abstract etc), to allow your users to access the functionality in ERP Cloud.*

The following privileges added to a custom job role, and assigned to your users, will allow access to the required web services for the More4apps products.

Sections:

Enabling BI Report Downloads

Download Method:
If an Oracle Fusion ERP web service isn't available, the data will be downloaded using a BI Report. This report, however, won't return any data by default.

Controlling Access:
Since we can't directly replicate the data access rules used in the Oracle Fusion ERP UI, administrators can control access to the download data through a profile option. This ensures that only authorized users can retrieve the information.

Configuring the Profile Options:
You are required to manually configure these Profile Options in your Oracle instance. Please check the specific integrator documentation for the impact and recommended user type before enabling the functionality. For instructions on creating these Profiles, please refer to the steps documented here.

Integrator Download Source Profiles are listed below:

Integrator	Profile Display Name	Profile Code	Application/
Non Labor Rates Integrator	Enable More4apps Nonlabor Rates Primary Download Report	M4A_ENABLE_NONLABOR_RATES_PRIMARY_DOWNLOAD_REPORT	Project Foun
Job Rates Integrator	Enable More4apps Job Rates Primary Download Report	M4A_ENABLE_JOB_RATES_PRIMARY_DOWNLOAD_REPORT	Project Foun
Person Rates Integrator	Enable More4apps Person Rates Primary Download Report	M4A_ENABLE_PERSON_RATES_PRIMARY_DOWNLOAD_REPORT	Project Foun

Sections:

Restriction of Integrators (Optional)

This functionality is available from Projects Module Release Version 16.10.1.0 onwards.

A Module comprises multiple Integrators. By default, users with Module access have access to all Integrators within that Module. However, in certain instances a company may opt to limit the Integrators available to a user, i.e. segregation of duties. This restriction is at the Integrator level so the user either has access to the Integrator or not. It is not possible to restrict the functionality within the Integrator, e.g. to read-only or Update but not Create actions.

Limiting Integrators is accomplished through the utilization of custom Profile Options. You are required to manually configure these Profile Options in your Oracle instance. For instructions on creating these Profiles, please refer to the steps documented here.

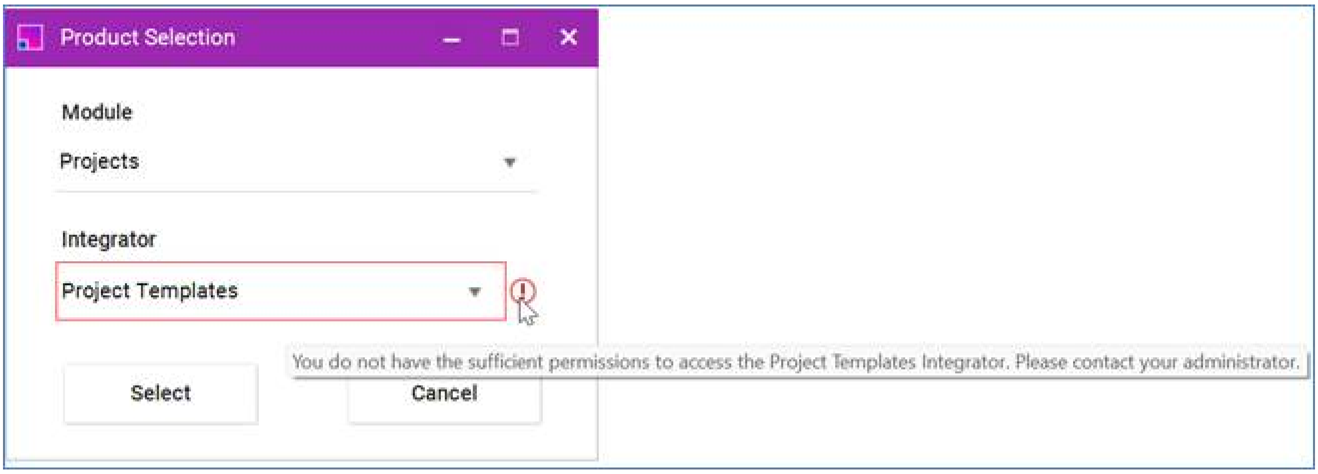
Integrator Profiles for this Module are listed below:

Integrator	Profile Name	Profile Code
Amend Contracts	Exclude More4apps Amend Contracts Integrator	M4A_EXCLUDE_AMEND_CONTRACTS_INTEGRATOR
Assets & Assignments	Exclude More4apps Assets and Assignments Integrator	M4A_EXCLUDE_ASSETS_AND_ASSIGNMENTS_INTEGRATOR
Award Budgets	Exclude More4apps Award Budgets Integrator	M4A_EXCLUDE_AWARD_BUDGETS_INTEGRATOR
Bill Plan Schedule Overrides	Exclude More4apps Bill Plan Schedule Overrides Integrator	M4A_EXCLUDE_BILL_PLAN_SCHEDULE_OVERRIDES_INTEGRATOR
Bill Rate Overrides	Exclude More4apps Bill Rate Overrides Integrator	M4A_EXCLUDE_BILL_RATE_OVERRIDES_INTEGRATOR
Budgets	Exclude More4apps Budgets Integrator	M4A_EXCLUDE_BUDGETS_INTEGRATOR
Contracts	Exclude More4apps Contracts Integrator	M4A_EXCLUDE_CONTRACTS_INTEGRATOR
Costs	Exclude More4apps Costs Integrator	M4A_EXCLUDE_COSTS_INTEGRATOR
Cost Adjustments	Exclude More4apps Cost Adjustments Integrator	M4A_EXCLUDE_COST_ADJUSTMENTS_INTEGRATOR
Cost Rate Overrides	Exclude More4apps Cost	M4A_EXCLUDE_COST_RATE_OVERRIDES_INTEGRATOR

	Rate Overrides Integrator	
Events	Exclude More4apps Events Integrator	M4A_EXCLUDE_EVENTS_INTEGRATOR
Financial Plan Resource Assignments	Exclude More4apps Financial Plan Resource Assignments Integrator	M4A_EXCLUDE_FINANCIAL_PLAN_RESOURCE_ASSIGNMENTS_INTEGRATO
Financial Projects	Exclude More4apps Financial Projects Integrator	M4A_EXCLUDE_FINANCIAL_PROJECTS_INTEGRATOR
Forecasts	Exclude More4apps Forecasts Integrator	M4A_EXCLUDE_FORECASTS_INTEGRATOR
Job Rates	Exclude More4apps Job Rates Integrator	M4A_EXCLUDE_JOB_RATES_INTEGRATOR
Non Labor Rates	Exclude More4apps Non Labor Rates Integrator	M4A_EXCLUDE_NONLABOR_RATES_INTEGRATOR
Person Rates	Exclude More4apps Person Rates Integrator	M4A_EXCLUDE_PERSON_RATES_INTEGRATOR
Planning RBS	Exclude More4apps Planning RBS Integrator	M4A_EXCLUDE_PLANNING_RBS_INTEGRATOR
Project Templates	Exclude More4apps Project Templates Integrator	M4A_EXCLUDE_PROJECT_TEMPLATES_INTEGRATOR
Revenue Plan Schedule Overrides	Exclude More4apps Revenue Plan	M4A_EXCLUDE_REVENUE_PLAN_SCHEDULE_OVERRIDES_INTEGRATOR

	Schedule Overrides Integrator	

If you restrict access to an Integrator, you will get a message like this next to the selected Integrator:

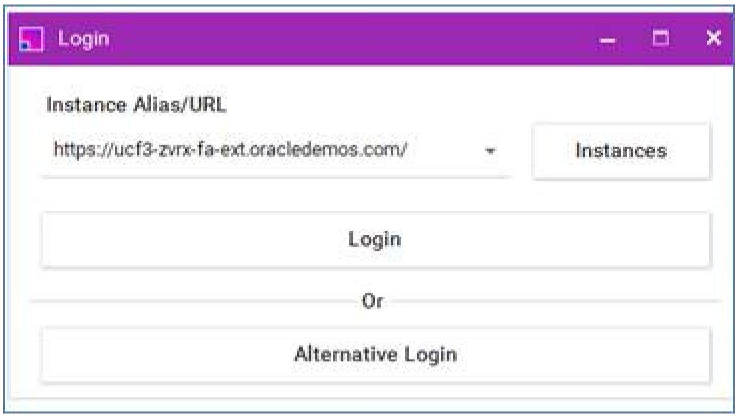


Sections:
[Integrator Privileges](#)
[Enabling BI Report Downloads](#)
[Restriction of Integrators (Optional)](#)
[Logging In](#)
[Generating a New Sheet](#)
[Populating the Sheet](#)
[Upload Action Columns](#)

Logging In

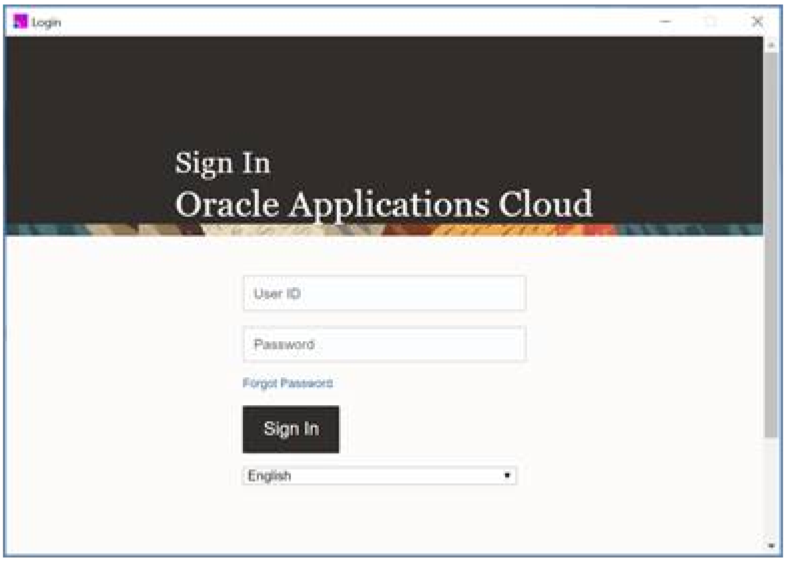
Click **Login/Logout** on the **More4apps** ribbon.

If connections have already been set up, the **Instance Alias/URL** field will contain a list of available ERP Cloud instances. If no connections are available, please refer to the [Login](#) section of the Installation documentation.



Note - If a connection was previously used to log in, the last used **Alias/URL** will default when first opening the form.

Click the 'Login' button. This will open the native Oracle Login of your instance. Enter your standard Oracle credentials and click **Sign In.**



Note - Instances with or without Single Sign On (SSO) are both supported through the 'Login' button option. If the 'Login' option does not work, please try the 'Alternative Login' option.

Enter your standard ERP Cloud credentials and click **Sign In**.

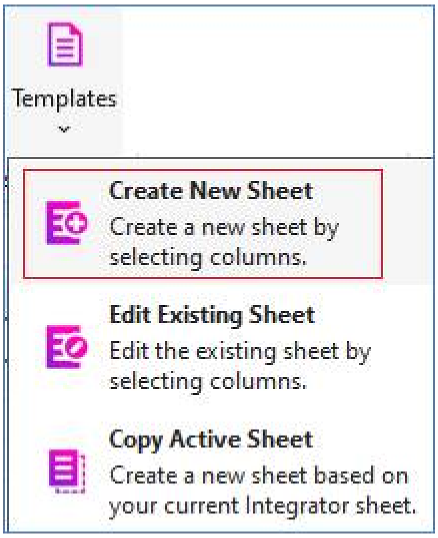
Sections:

[Integrator Privileges]
[Enabling BI Report Downloads]
[Restriction of Integrators (Optional)]
[Logging In]
[Generating a New Sheet]
[Populating the Sheet]
[Upload Action Columns]

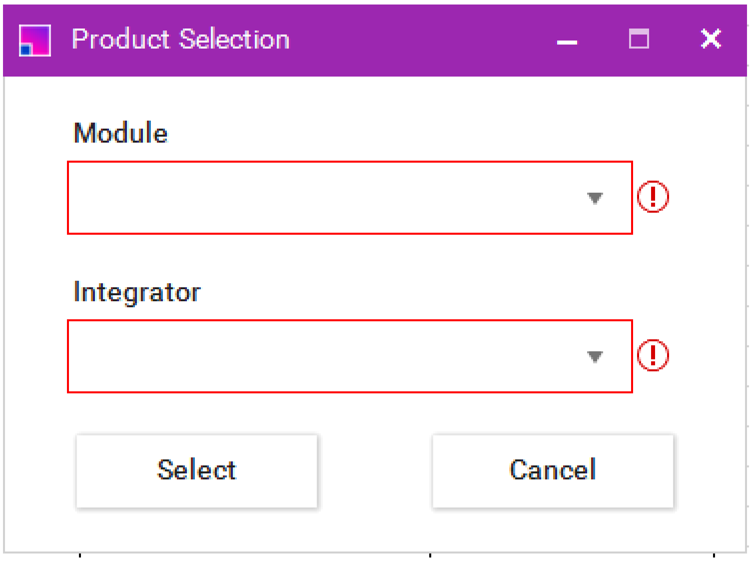
Generating a New Sheet

If your workbook does not already contain an Integrator worksheet, follow the steps below:

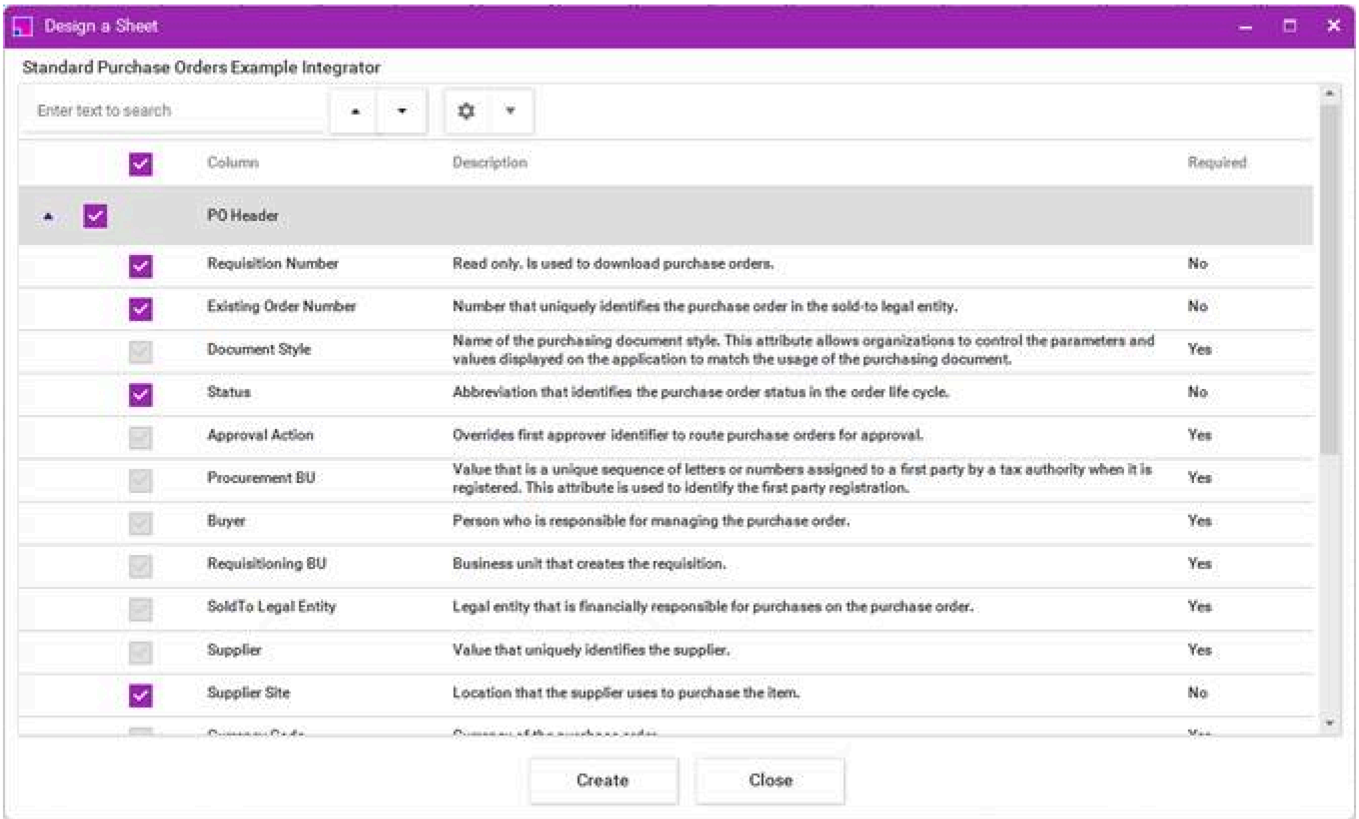
1. Select 'Templates > Create New Sheet' from the ribbon options:



2. Select the **Projects** Module and then the appropriate Integrator.



3. Using the form you can search, select and or deselect the fields you require then click ‘Create’. Below is an example of the Designer.



Notes:

- The designer by default will have all fields selected.
- You can un-check the top checkbox to deselect or select all columns with a single click.
- Un-checking the top check box will leave only required fields selected (greyed out check boxes).
    - Despite all required fields being checked in this scenario, you will still need to search and check the fields and/or sections you require to add them to your template.

The columns you have selected in the designer will be generated in the spreadsheet you now have in front of you.

Tip – You can remove all columns to assist with performance**.**

Sections:

[Integrator Privileges]
[Enabling BI Report Downloads]
[Restriction of Integrators (Optional)]
[Logging In]
[Generating a New Sheet]
[Populating the Sheet]
[Upload Action Columns]
[Upload Action Columns]

Populating the Sheet

Refer to the below sections on methods to populate the sheet:

Sections:

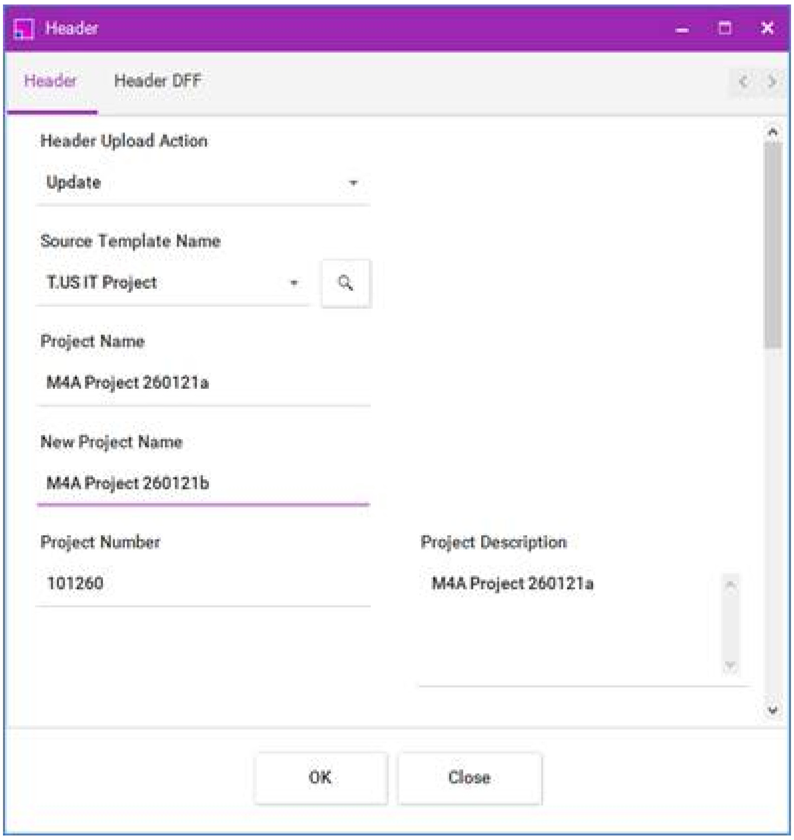
Data Entry Forms

Every section of each Integrator worksheet has a data entry form associated with it. These forms can be optionally used to help users select valid data.

Position the cursor in the relevant section below row 10 in the worksheet and click

Data Forms on the **More4apps** ribbon.

Example Project Header form:



More information on the use of data entry forms is explained [here](#).

Downloading

Information can be downloaded via the sheet fields or alternatively through using the Download form. We recommend downloading data into the worksheet before attempting to update any records to ensure accurate information exists prior to validation and upload.

More information on downloading can be found [here](#).

Manual Data Entry

As More4apps modules work within Excel, all standard Microsoft Excel functions are available for use to assist with populating the worksheet manually.

For example:

- Standard text entry
- Formulas
- Filters
- Copy and Paste
- Macros

Sections:

Upload Action Columns

'Upload Action' columns in each section are used to control how data is processed, for example, Create, Create records, Update, Update records, or Delete.

Financial Projects Integrator Action columns:

Budgets Integrator Action columns:

Contracts Integrator Action columns:

Costs Integrator Action columns:

Cost Adjustments Action columns:

Assets and Assignments Integrator Action columns:

Financial Plan Resource Assignments Action columns:

Resource Assignments Upload Action	Planning Amounts Upload Action

Award Budgets Action columns:

Award Budget Versions Upload Action	Planning Resources Upload Action	Plan Lines Upload Action

Project Templates Action columns:

Header Upload Action	Classifications Upload Action	Task Upload Action	Task TC Upload Action	Project TC Upload Action	Quick Entries Upload Action

Planning RBS Action columns:

RBS Assignments Upload Action	Resources Upload Action

Events Action columns:

Events Upload Action

Cost Rate Overrides Action column:

Cost Rate Overrides Upload Action

Bill Rate Overrides Action column:

Bill Rate Overrides Upload Action

Bill Plan Schedule Overrides Action column:

Contract Details Upload Action	Plan Details Upload Action	Person Rates Upload Action	Job Rates Upload Action	Labor Multipliers Upload Action	Job Assignments Upload Action	Job Titles Upload Action	Non Labor Rates Upload Action

Revenue Plan Schedule Overrides Action column:

Contract Details Upload Action	Plan Details Upload Action	Person Rates Upload Action	Job Rates Upload Action	Labor Multipliers Upload Action	Job Assignments Upload Action	Non Labor Rates Upload Action

Each Integrator has its own set of relevant actions which can be viewed in the field's list of values in the data entry form.

The behavior of the Upload Action in each section of the Integrator is dependent on the web service method that is called. More information on the use of these Upload Action Columns is outlined in each Integrator section below in this document.

Sections:

[Integrator Privileges](#)
[Enabling BI Report Downloads](#)
[Restriction of Integrators (Optional)](#)
[Logging In](#)
[Generating a New Sheet](#)
[Populating the Sheet](#)
[Upload Action Columns](#)

The Projects Module is made up of a number of Integrators. Refer to the links below for each Integrator:

Financial Projects Integrator

The **Project Integrator** is a solution for creating and updating Project details via the supported Oracle ERP Cloud REST Web Services.

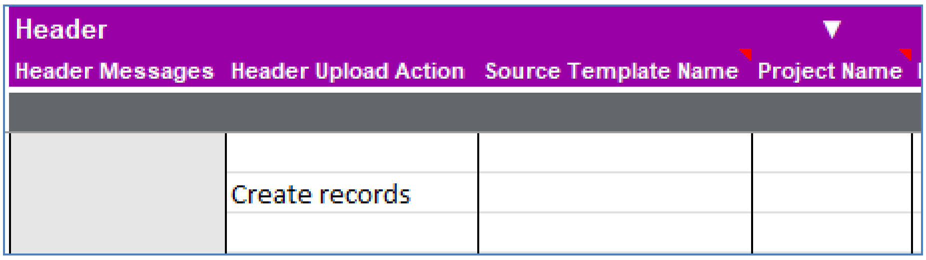
Ensure you are familiar with the More4apps Projects module prerequisites before attempting to use this Integrator.

Sections:

Create Project Details

Become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

To create a Project, the 'Header Upload Action' column value should be **Create or Create records**. 'Create records' causing all related child components to default to the same action, while 'Create' will only create that section.



Header Messages	Header Upload Action	Source Template Name	Project Name
	Create records		

Sheet Structure Examples

The below illustrates single and multiple Projects with associated Classifications, Team Members, and Tasks. Examples do not include all critical columns. Note, the 'Create records' action at the header for each Project.

Scenario 1

A single Project with two Classifications, two Team Members and two Tasks:
Note: Tasks from the project template will be copied to the new project when it is created.

Header Upload Action	Header Details	Classifications Action	Classifications Details	Team Member Action	Team Member Details	Tasks Action	Tasks Details
Create records	...		1		1		1
			2		2		2

Scenario 2

Two Projects with associated Classifications, Team Members and Tasks:

Header Upload Action	Header Details	Classifications Action	Classifications Details	Team Member Action	Team Member Details	Tasks Action	Tasks Details
Create records	...		1		1		1
			2		2		2
Create records	...		1		1		1
					2		2
					3		3

Scenario 3

Two Projects – one project with associated Team Members and Tasks, no Classifications. Another project with associated Team Members, no Classifications and no Tasks:

Header Upload Action	Header Details	Classifications Action	Classifications Details	Team Member Action	Team Member Details	Tasks Action	Tasks Details

Create records	...	-	-	1		1
		-	-	2		2
Create records	...	-	-	1	-	-
				2	-	-
				3	-	-

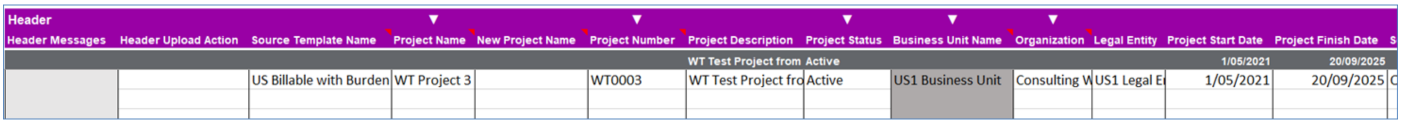
Once all the Project information is entered, the upload process can be initiated. For details on uploading refer to the Upload section of the Common Documentation.

Successful uploads will return ‘Accepted’ statuses.

Rejected uploads will return messaging from the web service. More information on how to reprocess these records is here.

Default Row

The Default Row can be used to enter values specified in the row to default down the sheet during validation. More information about the Default Row can be found here.



Descriptive Flexfields

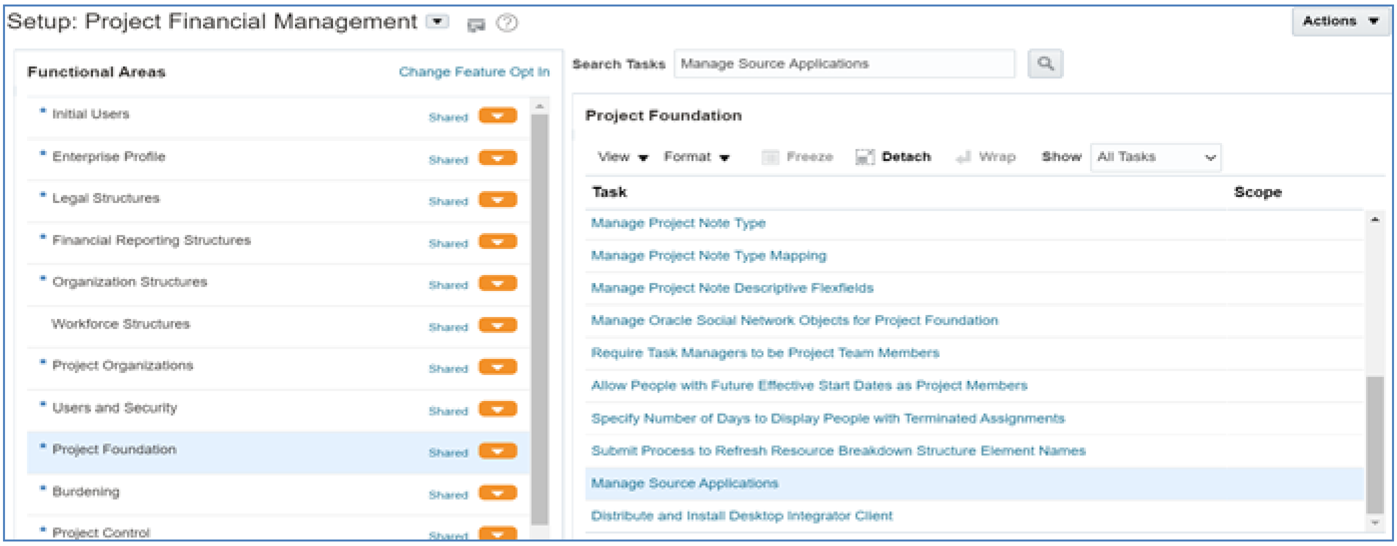
All the Integrators available under the Projects Module are able to dynamically create DFF columns during the new sheet creation based on the DFF configuration in Oracle Cloud. More information about the Descriptive Flexfields can be found here.

Source Application Code

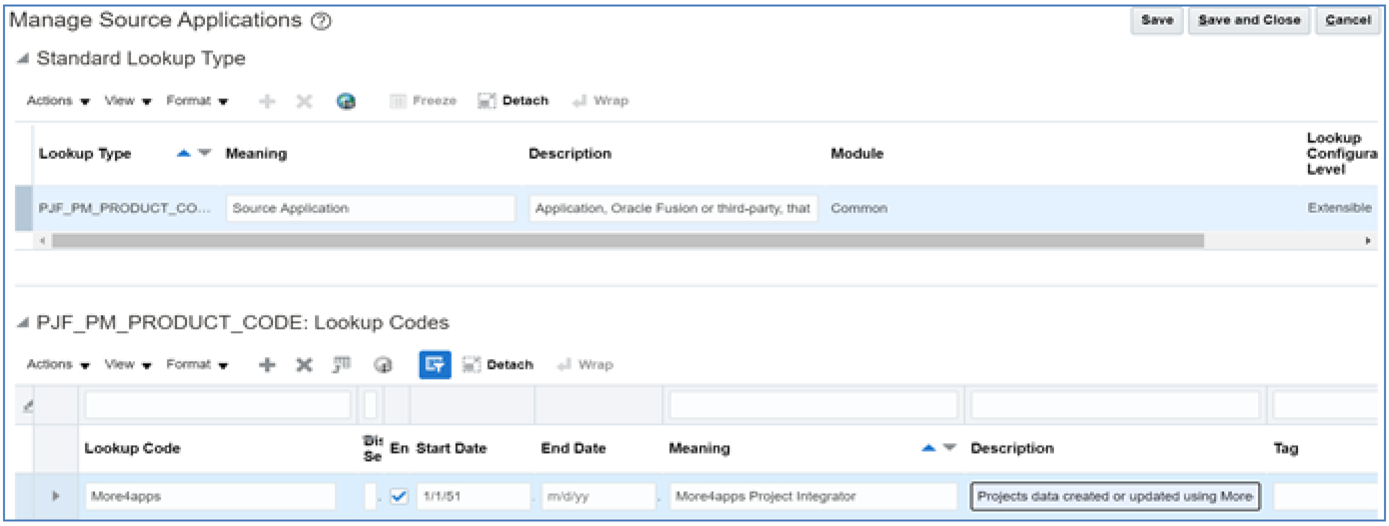
Source Application Code is an optional field in the Project Header section of the Integrator and you can select a value from a list of values. Source Application Code helps identify the third-party application from which the project originates. If you want to import projects from non-Oracle applications, such as the More4apps Project Integrator, you can define additional sources yourself. For example, you can define the Source Application Code ‘More4apps’ to identify projects imported from the More4apps Project Integrator.

To setup a Source Application Code, you must have the correct roles assigned to have access to the Setup and Maintenance screen.

Navigation:
Setup and Maintenance > Setup: Project Financial Management > Project Foundation > Manage Source Applications



Add a Lookup Code 'More4apps'.
Save and Close.



Sections:

[Download Projects](#)
[Update Existing Projects](#)
[Team Members](#)
[Tasks](#)
[Classifications](#)
[Customers](#)
[Provider Business Units](#)
[Project Attachments](#)
[Transaction Controls](#)
[Project Plan Baseline](#)
[Create/Update Limitations](#)

Team Members

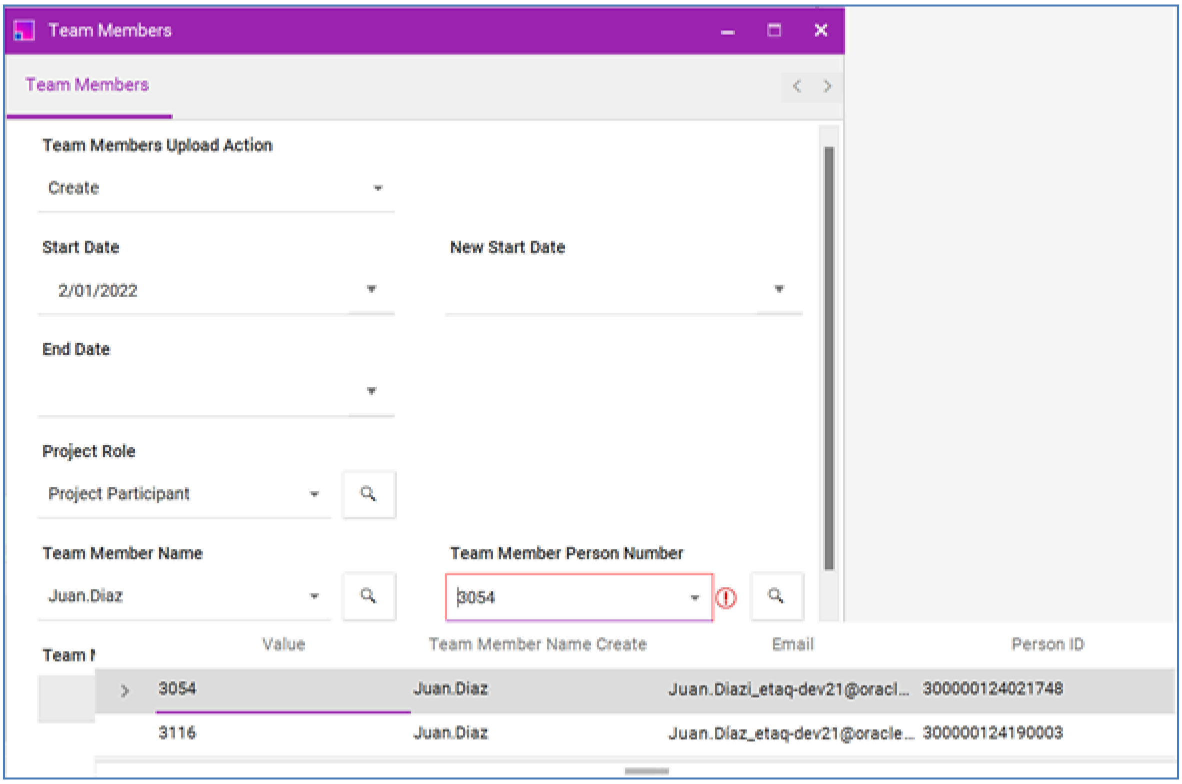
When new Team Member records are created by the Project Integrator, the assignment status will default to ‘Planned’. A Project Manager with the correct access and privilege can go into Oracle Project Portfolio Management Cloud and ‘Confirm’ a resource assignment status, if appropriate.

Team Members can be Updated and Created in the same upload. In the example below, ‘Pablo Pérez’ is updated with an End Date of ‘23/06/2022’ and re-created with a Start Date of ‘24/06/2022’. Four additional Team Members are also added in the same load.

Status		Header				Team Members												
Header Status	Team Members Status	Header Messages	Header Upload Action	Project Name	Project Number	Team Members Messages	Team Members Upload Action	Start Date	New Start Date	End Date	Project Role	Team Member Name	Team Member Email	Track Time	Effort in Hours	Percent Allocation	Bill Rate	Cost Rate
Default Values																		
Validated				WT Project	WTP001			21/03/2022			Project Ma	Wai Thant-Cyn	Wai.M4A@M4A.com			100		
								21/06/2022		22/06/2022	Team Mem	Jenny Chin	jenny.chin_etaq-dev21@oraclepdemos.c			100	150	120
	Accepted						Update	22/06/2022		23/06/2022	Team Mem	Pablo Pérez	pablo.pérez_etaq-dev21@oraclepdemos			100		
								23/06/2022			Team Mem	Jenny Chin	jenny.chin_etaq-dev21@oraclepdemos.c			100	150	120
	Accepted						Create	24/06/2022			Team Mem	Pablo Pérez	pablo.pérez_etaq-dev21@oraclepdemos.com					
	Accepted						Create	25/06/2022			Team Mem	Steven Brooks	steven.brooks_etaq-dev21@oraclepdemos.com					
	Accepted						Create	26/06/2022			Team Mem	Fred Giles	fred.giles_etaq-dev21@oraclepdemos.com					
	Accepted						Create	27/06/2022			Team Mem	Megan McCulloug	megan.mccullough_etaq-dev21@oraclepdemos.com					
	Accepted						Create	28/06/2022			Team Mem	Karl Anderson	karl.anderson_etaq-dev21@oraclepdemos.com					

The Oracle REST web service only supports the update of Start Date, End Date, Track Time, Effort in Hours, Percent Allocation, Bill Rate and Cost Rate of the existing Team Members on the Project.

When there are duplicate Team Member names, it is mandatory that you enter their Person Number or select from the Person Number LOV from the Data Entry form in order to upload them.



To delete existing Team Members, More4apps recommend downloading the Project first to have all the existing Team Members downloaded to the sheet.

To delete a Team Member, the ‘Team Members Upload Action’ must have the ‘Delete’ action.

		Team Members									
Project Name	Project Number	Team Members Messages	Team Members Upload Action	Start Date	New Start Date	End Date	Project Role	Team Member Name	Team Member Email	Track Time	Effo
WT Project	WTP001			21/03/2022			Project Ma	Wai Thant-Cyn	Wai.M4A@M4A.com		
				21/06/2022		22/06/2022	Team Mem	Jenny Chin	jenny.chin_etaq-dev21@oracle		
				22/06/2022		23/06/2022	Team Mem	Pablo Pérez	pablo.pérez_etaq-dev21@oracl		
				23/06/2022			Team Mem	Jenny Chin	jenny.chin_etaq-dev21@oracle		
				24/06/2022			Team Mem	Pablo Pérez	pablo.pérez_etaq-dev21@oracl		
				25/06/2022			Team Mem	Steven Brooks	steven.brooks_etaq-dev21@ora		
				26/06/2022			Team Mem	Fred Giles	fred.giles_etaq-dev21@oraclep		
				27/06/2022			Team Mem	Megan McCulloug	megan.mccullough_etaq-dev21		
				28/06/2022			Team Mem	Karl Anderson	karl.anderson_etaq-dev21@ora		
							Team Mem	Aaron Thompson	aaron.thompson_etaq-dev21@		
				30/06/2022			Team Mem	Kunal Doshi	kunal.doshi_etaq-dev21@oracl		
				1/07/2022			Team Mem	Paolo Lopez	paolo.lopez_etaq-dev21@oracl		
			Delete	2/07/2022			Team Mem	Kathy Patterson	cathy.patterson_etaq-dev21@c		
			Delete	3/07/2022			Team Mem	Dave Brown	dave.brown_etaq-dev21@oracl		
			Delete	4/07/2022			Team Mem	Ajit Saha	ajit.saha_etaq-dev21@oraclepc		
			Delete	5/07/2022			Team Mem	Amy Vargo	amy.vargo_etaq-dev21@oracle		

Once the desired Team Members are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status for ‘Team Members Status’ is returned to the sheet if the Team Members are successfully deleted from Oracle.

Team Members Status
Deleted
Deleted
Deleted
Deleted

Sections:

Create Project Details
Download Projects
Update Existing Projects
Tasks
Classifications
Customers
Provider Business Units
Project Attachments
Transaction Controls
Project Plan Baseline
Create/Update Limitations

Tasks

Tasks can be Updated and Created in the same upload. In the example below, three tasks updated their Task Names and five additional tasks are added in the same upload.

Status		Header				Tasks					
Header Status	Tasks Status	Header Messages	Header Upload Action	Project Name	Project Number	Tasks Messages	Task Upload Action	Parent Task Number	Task Number	New Task Number	Task Name
Default Values											
								WTP001	7		Environment Readiness
								WTP001	8		Deploy
								WTP001	9		Project Management
								WTP001	100		Task 100
	Accepted						Update	100	100.1		Task 100.1 updated
	Accepted						Update	100	100.2		Task 100.2 updated
	Accepted						Update	100	100.3		Task 100.3 updated
								WTP001	200		Task 200
								WTP001	300		Task 300
								WTP001	400		Task 400
	Accepted						Create		500		Task 500
	Accepted						Create		600		Task 600
	Accepted						Create		700		Task 700
	Accepted						Create		800		Task 800
	Accepted						Create		900		Task 900

Sequential Task Numbers: The order in which you enter the Tasks on the sheet determines its order in Oracle. It is important that the parent tasks are created first before the child tasks, therefore, they should be entered in accordance with their correct hierarchy level on the sheet. You MUST complete all the Tasks in a branch before starting on a new branch. See example below:

Tasks							
Tasks Messages	Task Upload Action	Parent Task Number	Task Number	New Task Number	Task Name	Task Description	Tas
	Create		300		Task 300	This is a parent task	
	Create	300	300.1		Task 300.1	This is a child task of 300	
	Create	300	300.2		Task 300.2	This is a child task of 300	
	Create		400		Task 400	This is a parent task	
	Create	400	400.1		Task 400.1	This is a child task of 400	
	Create	400	400.2		Task 400.2	This is a child task of 400	
	Create	400	400.3		Task 400.3	This is a child task of 400	
	Create	400.1	400.11		Task 400.11	This is a child task of 400.1	

The Oracle REST web service will not support updating the Parent Task Number. There will be an ‘Accepted’ message on the sheet. An error message to indicate the update request has failed will not be displayed. More4apps recommends updating the Parent Task Number from the Oracle form.

To delete existing Tasks, More4apps recommend downloading the Project first to have all the existing Tasks downloaded to the sheet.

To delete Tasks, the ‘Task Upload Action’ must have the ‘Delete’ action.

		Tasks					
Project Name	Project Number	Tasks Messages	Task Upload Action	Parent Task Number	Task Number	Task Name	Task Organization
WTPERF010	WTPERF010622-496		Delete	WTPERF010622-4	1.0	Pre-Imple	Consulting Sou
			Delete	WTPERF010622-4	2.0	Planning a	Consulting Sou
				2.0	2.1	Project Pl	Consulting Sou
				2.0	2.2	Infrastruc	Consulting Sou
				2.0	2.3	Infrastruc	Consulting Sou

If a parent task is deleted, all the child tasks associated with the parent task will be deleted.

Once the desired Tasks are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status for ‘Tasks Status’ is returned to the sheet if the Tasks successfully deleted from Oracle.

Tasks Status
Deleted
Deleted

Sections:

[Create Project Details](#)
[Download Projects](#)
[Update Existing Projects](#)
[Team Members](#)
[Classifications](#)
[Customers](#)
[Provider Business Units](#)
[Project Attachments](#)
[Transaction Controls](#)
[Project Plan Baseline](#)
[Create/Update Limitations](#)

Classifications

Classifications can be Updated and Created in the same upload. In the example below, a class category has been updated with a New Class Code of ‘Strategic Technology’. Three additional Classifications are also added in the same upload.

Status		Header				Classifications					
Header Status	Classifications Status	Header Messages	Header Upload Action	Project Name	Project Number	Classifications Messages	Classifications Upload Action	Class Category	Class Code	New Class Code	Code Percentage
Default Values											
Validated				WT Project	WTP001			Business Objective	Business Growth		
	Accepted						Update	Business Objective	Business Innovation	Strategic Technology	
								Business Objective	IT Governance		
								M4A Services - 100%	Equipment		100
	Accepted						Create	Business Objective	Lights on		
	Accepted						Create	Business Objective	Training		
	Accepted						Create	Business Objective	Capital Spending		

To delete existing Classifications, More4apps recommend downloading the Project first to have all the existing Classifications downloaded to the sheet.

To delete Classifications, the ‘Classifications Upload Action’ must have the ‘Delete’ action.

		Classifications				
Project Name	Project Number	Classifications Messages	Classifications Upload Action	Class Category	Class Code	N
WTPERF010	WTPERF010622-496		Delete	Business Obj	Business Gr	
			Delete	Business Obj	Capital Sper	
			Delete	Business Obj	IT Governar	
				Business Obj	Strategic Te	
				Business Obj	Lights on	
				Business Obj	Training	

Once the desired Classifications are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status for ‘Classifications Status’ is returned to the sheet if the Classifications successfully deleted from Oracle.

Classifications Status
Deleted
Deleted
Deleted

Sections:
Create Project Details
Download Projects
Update Existing Projects
Team Members
Tasks
Customers
Provider Business Units
Project Attachments
Transaction Controls
Project Plan Baseline
Create/Update Limitations

Customers

Customers can be Created and Deleted in the same upload. In the example below, an existing customer is to be deleted and three new customers are to be added to the project.

		Customers			
Project Name	Project Number	Customers Messages	Customers Upload Action	Party Name	Party Number
WTPERF250322-36	102213		Delete	ABC Application Software	26360
			Create	SharpSpring Fitness Cente	668533
			Create	Specialty Distribution	55110
			Create	Stark Industries	80010

Once the desired Customers are marked for Create/Delete, upload the changes to Oracle.

The ‘Deleted’ or ‘Accepted’ status for ‘Customers Status’ is returned to the sheet if the Customers are successfully uploaded to Oracle.

Customers Status
Deleted
Accepted
Accepted
Accepted

Sections:
[Create Project Details]
[Download Projects]
[Update Existing Projects]
[Team Members]
[Tasks]
[Classifications]
[Provider Business Units]
[Project Attachments]
[Transaction Controls]
[Project Plan Baseline]
[Create/Update Limitations]

Provider Business Units

The ability to create and delete Provider Business Units using the Financial Projects Integrator is available from Oracle Cloud version 22D. If your version of Oracle Cloud is lower than 22D, please delete this section from your sheet.

Provider Business Units can be Created and Deleted in the same upload. In the example below, an existing Provider Business Unit is deleted and a new one is added to the project.

			Provider Business Units		
Project Name	Project Number	Proj Allow Cross Charge Flag	Provider Business Units Messages	Provider Business Units Upload Action	Provider Business Unit Name
WT Project 5	WTP005	Yes		Delete	Progress US Business Unit
					Healthcare US Business Unit
				Create	France Business Unit

Once the desired Provider Business Units are marked for Create/Delete, upload the changes to Oracle.

The 'Deleted' or 'Accepted' status for 'Provider Business Units Status' is returned to the sheet if the Customers are successfully uploaded to Oracle.

Provider Business Units Status
Deleted
Accepted

Sections:

Project Attachments

Attachments can be created against projects. Please refer to the [Attachments](#) documentation for more information about creating attachments and their limitations.

Status		Header					Project Attachments								
Header Status	Project Attachments Status	Header Messages	Header Upload Action	Project Name	Project Number	Project Status	Project Attachments Messages	Project Attachment Upload Action	Project Attachment Type	Project Attachment Title	Project Attachment Category	Project Attachment Description	Project Attachment File Path	Project Attachment URL	Project Attachment Text Content
Default Values															
Validated	Accepted			WTPERF010622	WTPERF010622	Active		Create	File	Test File Attachment	Project	Test File Attachment Descr	C:\Users\OEM\OneDrive\Desktop\temp\log-API-call.png		
	Accepted							Create	Text	Test Text attachment	Project	Test Text attachment description			Text bla
	Accepted							Create	URL	Testing URL	Project	Testing URL description		http://www.google.com	

Sections:

Download Projects

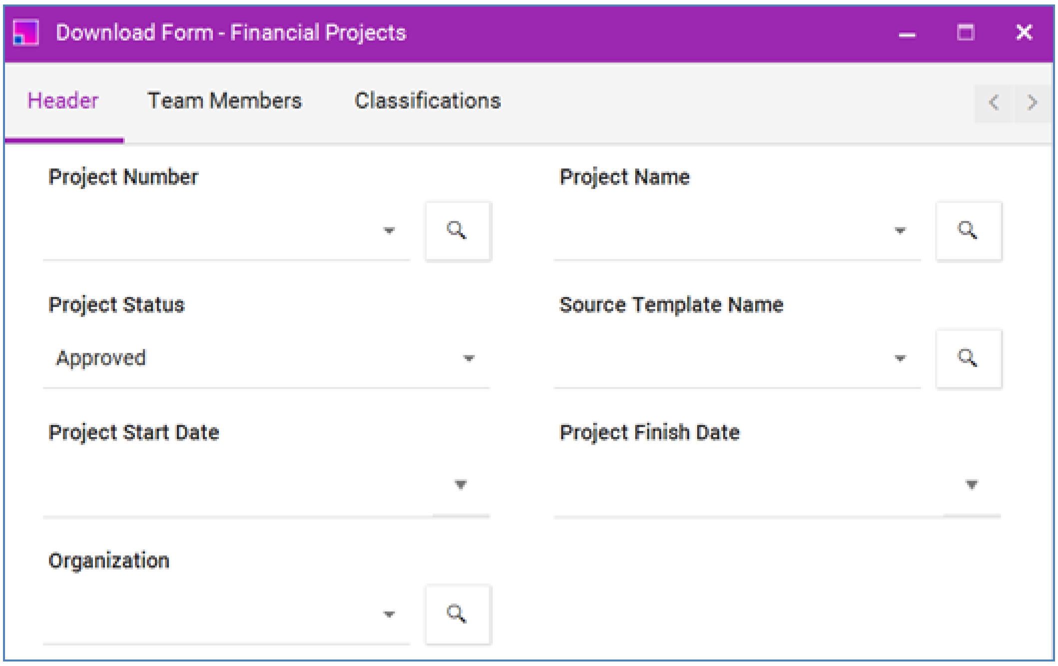
There are two ways to download existing Projects from Oracle using the Financial Projects Integrator. More information about downloading can be found [here](#).

Download Scenario

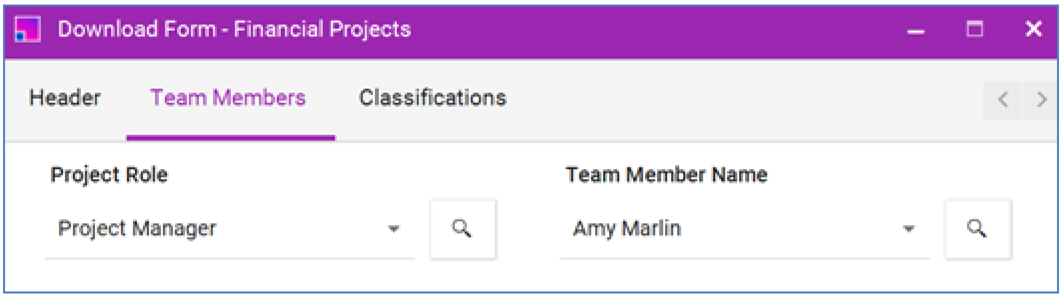
Joe Bloggs is a Project Coordinator, and he needs to update the Project Status of all the projects that have ‘Amy Marlin’ as the ‘Project Manager’.

Use the Download Form with search criteria for Project Header and Team Members.

Project Header search criteria:

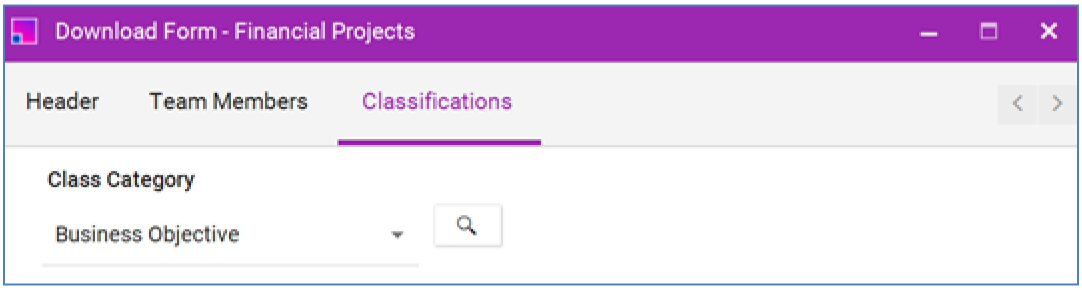


Team Members search criteria:



The search results will return all the Projects, that match the search criteria in the Download Form, with the status of ‘Approved’, Project Role of ‘Project Manager’ and Team Member Name of ‘Amy Marlin’.

Classifications can be used as a download filter as well.



Sections:

[Create Project Details](#)
[Update Existing Projects](#)
[Team Members](#)
[Tasks](#)
[Classifications](#)
[Customers](#)
[Provider Business Units](#)
[Project Attachments](#)

[Transaction Controls](#)
[Project Plan Baseline](#)
[Create/Update Limitations](#)

Update Existing Projects

It is recommended to first Download Projects information into the worksheet, ensuring identifying columns are populated for accurate updating.

Become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

The following values must be populated as a minimum to successfully update a standard purchase order:

Upload Action (at any level). Enter **Update** or **Update records** if you wish to cascade to child records.

Upload Action columns can be populated with an **Update or Update records** action if the values are to be updated or left blank if no processing of the data is required.

Scenario1
Amy is a project manager, and she would like to update the start and end date of one of her projects and update the Task Name for two of the Tasks on the project.

The image below illustrates how the **Upload Action** is left blank for Classifications and Team Members sections. **Update** action is populated in Header section and Tasks section for Task 1 and Task 3. When the project is uploaded, Header section and two Tasks in the Tasks section will be updated. Classifications, Team Members and Task 2 will not be updated.

Downloaded Project Information:

Header Action	Header Details	Classifications Action	Classifications Details	Team Members Action	Team Members Details	Tasks Action	Tasks Details
Update	123	-	1	-	1	Update	1
		-	2	-	2	-	2
		-		-	3	Update	3

Scenario 2
Amy is a project manager and she would like to update the Class Code for two of the three existing Classifications and end-date one of the team members on one of her projects.

The image below illustrates how the **Upload Action** is left blank for Header and Tasks sections. **Update** action is populated in the Classifications section for two classifications and the one Team Member. When the record is uploaded, Classification section and Team Members section will be updated. Header and Tasks will be ignored.

Downloaded Project Information:

Header Action	Header Details	Classifications Action	Classifications Details	Team Members Action	Team Members Details	Tasks Action	Tasks Details

-	123	Update	1	Update	1	-	1
		Update	2	-	2	-	2
		-	3	-	3	-	3

<u>Scenario 3</u>

Amy is a project manager, and she would like to update one of the Tasks and Create a new Task on one of her projects.

The image below illustrates how the **Upload Action** is left blank for Header, Classifications and Team Members sections. **Update** action is populated for Task 1 and **Create** action is populated for a new task, Task 3. When the project is uploaded, Task 1 will be updated and Task 3 will be created. All other sections will be ignored.

Downloaded Project Information:

Header Action	Header Details	Classifications Action	Classifications Details	Team Members Action	Team Members Details	Tasks Action	Tasks Details
-	123	-	1	-	1	Update	1
		-	2	-	2	-	2
		-	3	-	3	Create	3

Update Project Name, Class Code, Team Member Start Date, and Task Number

To update the fields mentioned above, please use a column that is specified for updating them. For example, to update the **Project Name**, use the column **New Project Name** to replace the name. Each section has a unique key value to identify the record in the database. For the Project Header section, Project Name is used as a unique key identifier, so to update this field the New Project Name field must be used. This applies to other sections that require an update to a unique key value.

What columns are needed?

The following columns must have values when updating the various sections of a project:

Columns	Section				
	Header	Classifications	Team Members	Tasks	Transaction Controls
Upload Action	○	○	○	○	○
Existing Project Name or Project Number	○	○	○	○	○

To elaborate on the table above:

- When updating a section, **Project Name** or **Project Number** along with the **Upload Action** for the section that requires an update must be populated if the data in those sections are to be updated. Sections without the **Upload Action** column populated will be ignored.

- Another example is, when updating Classifications, Project Name must be present on the sheet.

Column Update Restrictions

The underlying Oracle web service rejects the update of the following fields:
Note: all the columns that are grey cannot be updated.

Header	Classifications	Team Members	Tasks
Source Template Name Project Number Legal Entity Source Application Code Source Project Reference Project Currency (if transactions for the project exists)	Class Category	Project Role Team Member Name Team Member Email	Parent Task Number

If you need to update any of these values, the project must be updated in the front-end, although some values cannot be updated in the front-end either (e.g., Project Number).

Sections:

[Create Project Details](#)
[Download Projects](#)
[Team Members](#)
[Tasks](#)
[Classifications](#)
[Customers](#)
[Provider Business Units](#)
[Project Attachments](#)
[Transaction Controls](#)
[Project Plan Baseline](#)
[Create/Update Limitations](#)

Transaction Controls

Use the Financial Projects Integrator to Create, Update, Delete, and Download Transaction Controls at the Project and Task levels.

There are two sections provided for Transaction Controls in the Financial Projects Integrator:

- **Task Transaction Controls**: The control will apply to the Task on the same row (or the next task up if there is no task on the current row). Transaction Controls can only be created against the top and bottom level tasks.
- **Project Transaction Controls**: The control will apply to the project specified in the Project Header section.

Transaction Controls at both the Project and Task level can have the Upload Action ‘Create’, ‘Update’, and ‘Delete’ at the same time. For example:

Project Transaction Controls				
Project Transaction Controls Messages	Project TC Upload Action	Proj TC Trans ID	Proj TC Expenditure Cat	Proj TC Expenditure Type
	Delete	300000228327581	Equipment	Equipment
	Update	300000227591986	More4apps	M4A Equipment
	Delete	300000227591985	Equipment	Purchased Equipment
		300000228074163	Services	Contract Services
	Update	300000228327583	Technology	Hardware
		300000228327582	Furniture and Fixtures	
	Create		Technology	Software

For more information on Create, Update, and Delete upload actions, refer to the sections below:

Sections:
Create Project Details
Download Projects
Update Existing Projects
Team Members
Tasks
Classifications
Customers
Provider Business Units
Project Attachments
Project Plan Baseline
Create/Update Limitations

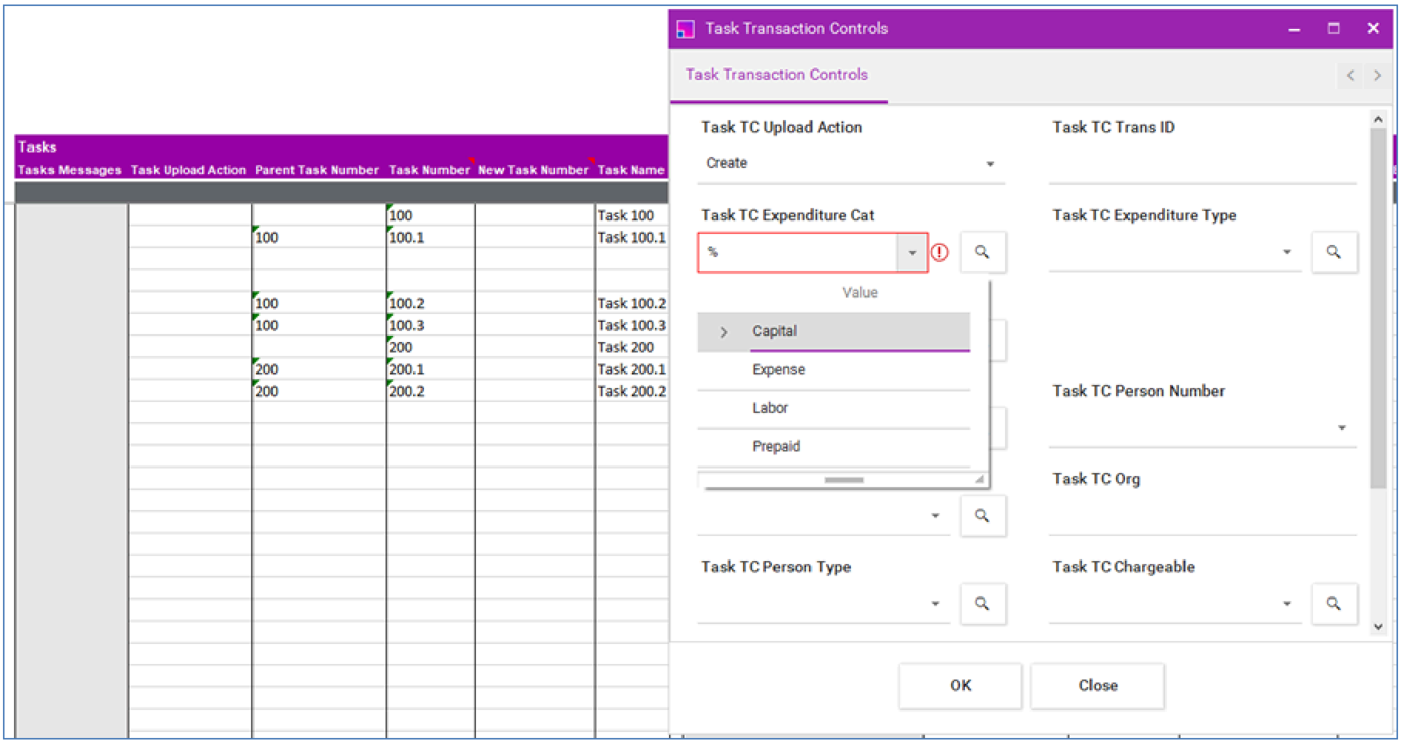
Create Transaction Controls

Please become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product. Refer to the Uploading section for more information on how to upload the Create action.

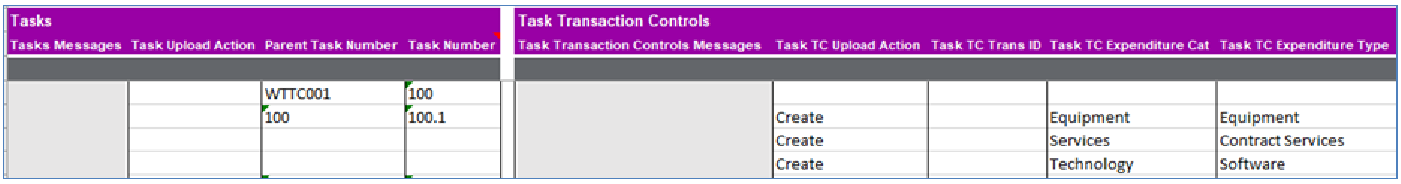
Task Transaction Controls
To create a Task level Transaction Controls, the 'Task TC Upload Action' column value must be 'Create'.

Task Transaction Controls		
Task Transaction Controls Messages	Task TC Upload Action	Task TC Trans ID
	Create	

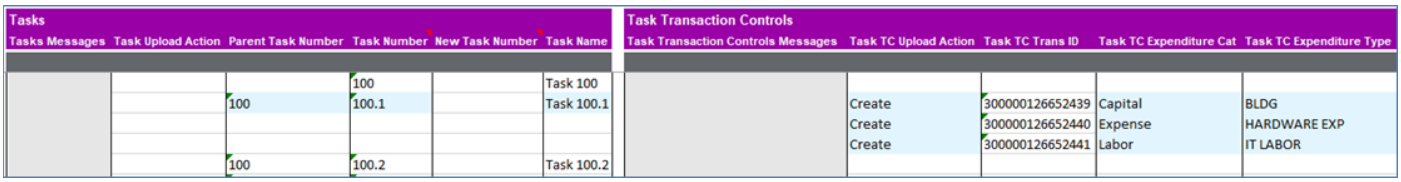
Enter the Task level Transaction Control details manually in the sheet or use the Data Form to enter details:



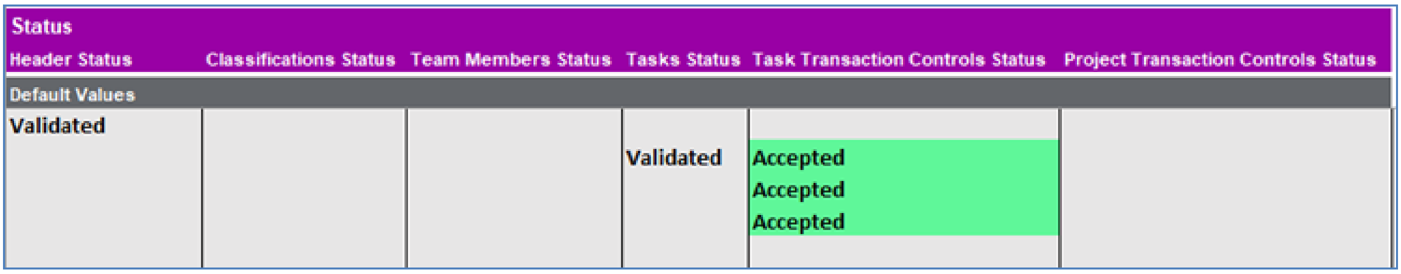
Task level Transaction Controls must be positioned on the same row or below the row containing the Task Number. It is not necessary to duplicate the Task Number on every row where there are multiple Transaction Controls for a single Task. More than one Transaction Control can be entered against a task. See the image below where Task 100.1 has three new transaction control entries in the worksheet.



Once the Transaction Controls are uploaded, the ‘Task TC Trans ID’ will be returned to the sheet. The ‘Task TC Trans ID’ is a unique number created for the Transaction Control and it is required to carry out the Update and Delete Actions.

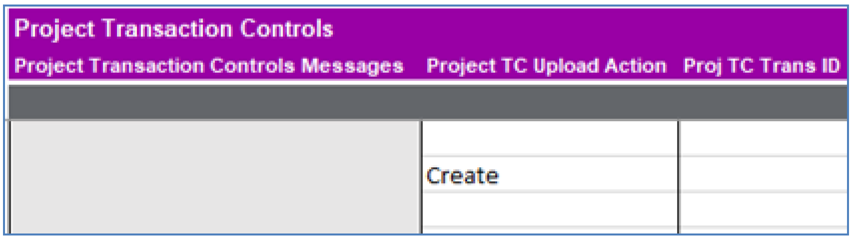


The ‘Accepted’ status for ‘Task Transaction Controls Status’ is returned to the sheet if all the Transaction Controls are valid and uploaded successfully to Oracle.

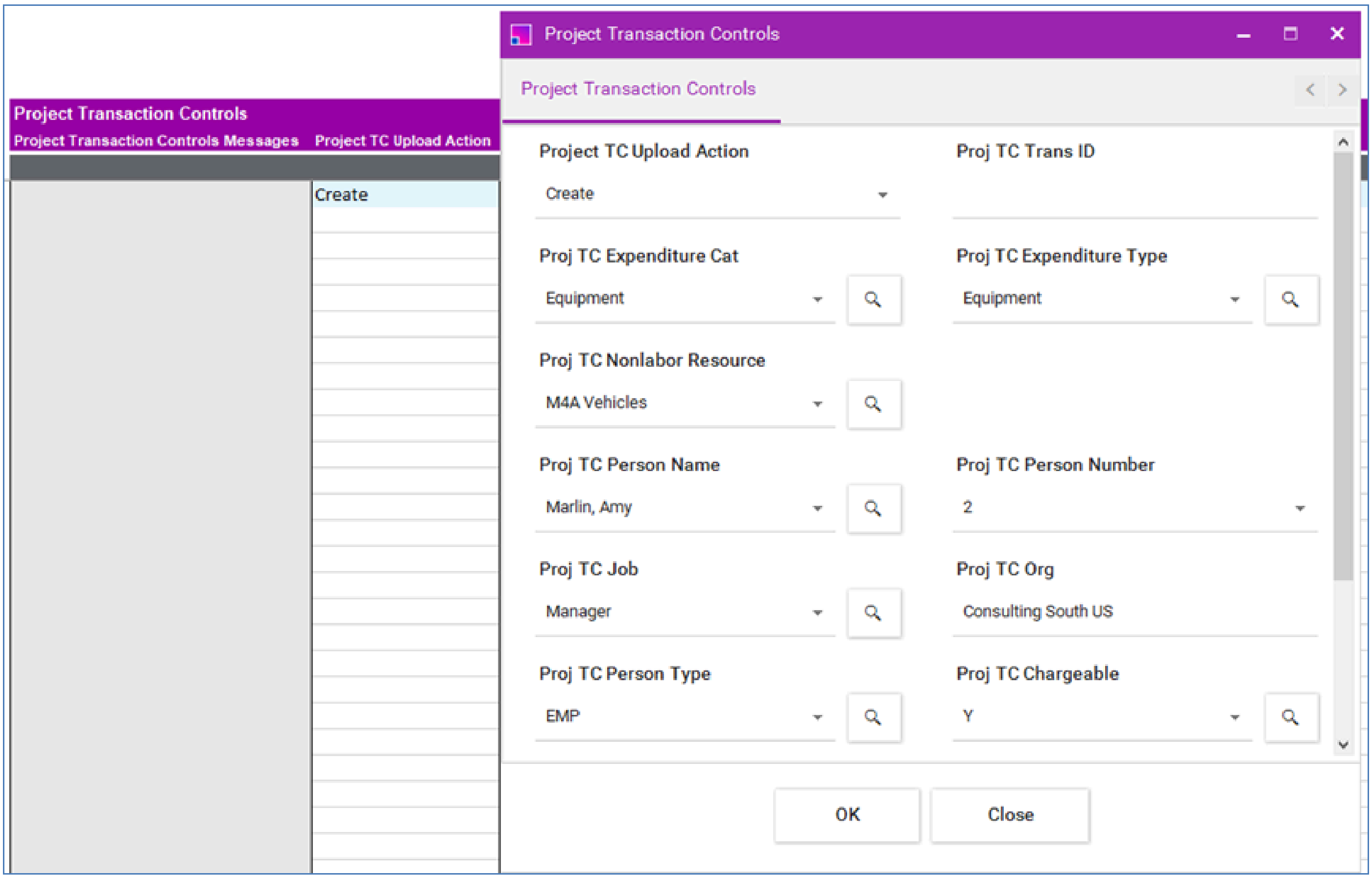


Project Transaction Controls

To create a Project level Transaction Controls, the ‘Project TC Upload Action’ column value must be ‘Create’.



Enter the Project level Transaction Control details manually to the sheet or use the Data Form to enter details:



Project level Transaction Controls must be positioned on the same row or below the row containing the Project Number. It is not necessary to duplicate the Project Number on every row where there are multiple Transaction Controls for a single Project. More than one Transaction Control can be entered against a Project. See the image below where Project ‘WTTC001’ has three new Transaction Control entries in the worksheet.

Once the Transaction Controls are uploaded, the ‘Proj TC Trans ID’ will be returned to the sheet. The ‘Proj TC Trans ID’ is a unique number created for the Transaction Control and it is required to carry out the Update and Delete Actions.

Header						Project Transaction Controls					
Header Messages	Header Upload Action	Source Template Name	Project Name	New Project Name	Project Number	Project Transaction Controls Messages	Project TC Upload Action	Proj TC Trans ID	Proj TC Expenditure Cat	Proj TC Expenditure Type	Proj TC Nonlabor Resource
		US Billable with Burde	WTTC001		WTTC001			300000227591986	More4apps	M4A Equipment	
								300000227591985	Equipment	Purchased Equipment	
								300000228074163	Services	Contract Services	
							Create	300000228327581	Equipment	Equipment	M4A Vehicles
							Create	300000228327582	Furniture and Fixtures		
							Create	300000228327583	Technology	Hardware	

The ‘Accepted’ status for ‘Project Transaction Controls Status’ is returned to the sheet if all the Transaction Controls are valid and uploaded successfully to Oracle.

Status					
Header Status	Classifications Status	Team Members Status	Tasks Status	Task Transaction Controls Status	Project Transaction Controls Status
Default Values					
Validated					
					Accepted
					Accepted
					Accepted

Update Transaction Controls

Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing Transaction Controls, More4apps recommend downloading the Project and/or Tasks first to have all the existing Transaction Controls downloaded to the sheet.

To update a Transaction Control at the Project and Task levels, the ‘Proj TC Upload Action’ and ‘Task TC Upload Action’ must have the ‘Update’ action. The 'Proj TC Trans ID’ and 'Task TC Trans ID’ must be populated.

You may NOT update Transaction Controls if the ID cell is empty. This value is the key to the record. The Integrator considers an empty ID cell to mean that this is a new record.

Task Transaction Controls				
Task Transaction Controls Messages	Task TC Upload Action	Task TC Trans ID	Task TC Expenditure Cat	T
		300000227591976	Equipment	E
		300000228074174	Technology	S
	Update	300000228074182	Services	C
		300000228074272	Equipment	E
		300000228074274	Technology	S
	Update	300000228327360	Services	C
		300000228327364	Equipment	E

Project Transaction Controls				
Project Transaction Controls Messages	Project TC Upload Action	Proj TC Trans ID	Proj TC Expenditure Cat	P
		300000228327581	Equipment	E
	Update	300000227591986	More4apps	M
		300000227591985	Equipment	P
	Update	300000228074163	Services	C
		300000228327583	Technology	H
		300000228327582	Furniture and Fixtures	

Once the necessary data entry changes are made to the Transaction Controls section(s), upload the changes to Oracle.

The ‘Accepted’ status for ‘Project Transaction Controls Status’ and/or 'Task Transaction Controls Status’ is returned to the sheet if all the updates for the Transaction Controls are valid and uploaded successfully to Oracle.

Delete Transaction Controls

Refer to the Uploading section for more information on how to upload the Delete action.

To Delete existing Transaction Controls, More4apps recommend downloading the Project and/or Tasks first to have all the existing Transaction Controls downloaded to the sheet.

To delete a Transaction Control at the Project and Task levels, the ‘Proj TC Upload Action’ and ‘Task TC Upload Action’ must have the ‘Delete’ action.
You may NOT delete Transaction Controls if the ID cell is empty. This value is the key to the record. The Integrator considers an empty ID cell to mean that this is a new record.

Task Transaction Controls			
Task Transaction Controls Messages	Task TC Upload Action	Task TC Trans ID	Task TC Expenditure Cat
	Delete	300000228074182	Services
	Delete	300000228074272	Equipment
	Delete	300000228074274	Technology

Project Transaction Controls			
Project Transaction Controls Messages	Project TC Upload Action	Proj TC Trans ID	Proj TC Expenditure Cat
	Delete	300000228327581	Equipment
	Delete	300000227591986	More4apps
	Delete	300000227591985	Equipment
	Delete	300000228074163	Services
		300000228327583	Technology

Once the desired Transaction Controls are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status for ‘Project Transaction Controls Status’ and/or 'Task Transaction Controls Status’ is returned to the sheet if the Transaction Controls successfully deleted from Oracle. If the delete is successful, the ‘Task TC Trans ID’ and ‘Proj TC Trans ID’ values will be cleared. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the ‘Project Transaction Controls Status’ and/or 'Task Transaction Controls Status’ of the ‘Deleted’ status.

		Header		Tasks					Task Transaction Controls			
Task Transaction Controls Status	Project Transaction Controls Status	Header Messages	Project Name	Tasks Messages	Task Upload Action	Parent Task Number	Task Number	Task Name	Task Transaction Controls Messages	Task TC Upload Action	Task TC Trans ID	Task TC Expenditure Cat
Deleted			Demo10			Demo10	1.0	Planning		Delete		Equipment
						Demo10	2.0	Design				
Deleted						2.0	2.1	Permits and Purchases		Delete		Equipment
Deleted						2.0	2.2	Design Review		Delete		Equipment

Project Plan Baseline

You can use the Financial Projects Integrator to set the Project Plan to Baseline, create Budget Version and Baseline the budget. Here’s a video to show you how this functionality works:
https://outgoing.More4apps.com/permanent/Project_Plan_Baseline.mp4

There are three columns in the Project Plan Baseline section:

- **Baseline Project**: Set this to ‘Yes’ to set the Project Plan to baseline.
- **Plan Type**: Either use the Data Form to select a Plan Type from the list of values or enter it manually to the cell to create a budget. The Plan Type selected must be valid for the project.
- **Baseline Budget**: Set this to ‘Yes’ to create a baseline for the budget once created.

Baseline			
Baseline Message	Baseline Project	Plan Type	Baseline Budget
	Yes	Approved Cost Budget	Yes

Follow the steps below to update the Project Header Finish Date and Task Finish Dates for an existing project, and then set the Project Plan to Baseline, create a budget version and baseline the budget version:

- Enter Upload Action ‘Update’ at both the Project Header and Tasks sections.
- Enter new dates in the Finish Date columns for the Project Header and Tasks.
- Enter Baseline details:
    - You may populate ‘Baseline Project’ but leave out ‘Plan Type’ and ‘Baseline Budget’ if you do not want to create a budget version and baseline that budget version. This action will only set the Project Plan to Baseline.
    - You may populate ‘Baseline Project’ and ‘Plan Type’ but leave out ‘Baseline Budget’ if you want to create a budget version but **not** baseline it. This action will set the Project Plan to Baseline and create a budget version.
- Upload.

The example below will update the Project Header Finish Date, Task Finish Date, and then set the Project Plan to Baseline, create a budget version and baseline that budget.

Header					
Header Messages	Header Upload Action	Project Name	Project Number	Project Start Date	Project Finish Date
	Update	WTPERF1312	WTPERF1312	1/10/2021	30/10/2026

Baseline			
Baseline Messages	Baseline Project	Plan Type	Baseline Budget
	Yes	Approved Cost Budget	Yes

Tasks					
Tasks Messages	Task Upload Action	Parent Task Number	Task Number	Planned Start Date	Planned Finished Date
					30/10/2026
	Update	WTPERF131221-4	1.0	1/10/2021	30/10/2026
	Update	WTPERF131221-4	2.0	1/11/2021	30/10/2026
	Update	2.0	2.1	1/11/2021	30/10/2026
	Update	2.0	2.2	9/12/2021	30/10/2026

Follow the steps below to set the Project Plan to Baseline for an existing project without changing any of the dates Project or Task Dates:

- Enter Upload Action ‘Update’ at the Project Header.
- Enter Baseline Details:
    - You may populate ‘Baseline Project’ but leave out ‘Plan Type’ and ‘Baseline Budget’ if you do not want to create a budget version and baseline that budget version. This action will only set the Project Plan to Baseline.
    - You may populate ‘Baseline Project’ and ‘Plan Type’ but leave out ‘Baseline Budget’ if you want to create a budget version but **not** baseline it. This action will set the Project Plan to Baseline and create a budget version.
- Upload.

Header			
Header Messages	Header Upload Action	Project Name	Project Number
	Update	WTPERF131221-454	WTPERF131221-454

Baseline			
Baseline Messages	Baseline Project	Plan Type	Baseline Budget
	Yes	Approved Cost Budget	Yes

Project Plan Baseline functionality can be used when you’re creating new Project and Tasks.

Header								
Header Message	Header Upload Actio	Source Template Nam	Project Name	Project Number	Project Descriptio	Project Status	Project Start Dat	Project Finish Dat
	Create	US East Billable no b	WT Test BL 140222A	WTBL140222A	Billable no burde	Active	1/05/2021	30/09/2025

Baseline			
Baseline Message	Baseline Projec	Plan Type	Baseline Budge
	Yes	Approved Cost Budget	Yes

Tasks						
Tasks Message	Task Upload Action	Parent Task Number	Task Number	Task Name	Planned Start Dat	Planned Finished Dat
	Create		1.0	Pre-Imple	3/05/2021	30/09/2025
	Create		2.0	Planning a	28/06/2021	30/09/2025
	Create	2.0	2.1	Project Pl	28/06/2021	30/09/2025
	Create	2.0	2.2	Infrastruc	19/07/2021	30/09/2025
	Create	2.0	2.3	Infrastruc	9/08/2021	30/09/2025
	Create		3.0	Change M	30/08/2021	30/09/2025
	Create		4.0	System D	1/11/2021	30/09/2025
	Create		5.0	Build	3/01/2022	30/09/2025
	Create	5.0	5.1	Business S	3/01/2022	30/09/2025
	Create	5.0	5.2	Applicatio	3/07/2022	30/09/2025

Multiple existing Projects and Tasks can be downloaded and updated with new dates and have the Project Plans set to Baseline.

Header Message	Header Upload Action	Project Name	Project Number	Project Start Date	Project Finish Date
	Update	WT Test BL 140222A	WTBL140222A	1/05/2021	30/09/2025
	Update	WT Test BL 140222B	WTBL140222B	1/05/2021	31/03/2026
	Update	WT Test BL 140222D	WTBL140222D	1/05/2021	31/03/2028

Baseline Message	Baseline Project	Plan Type	Baseline Budget
	Yes	Approved Cost Budget	Yes
	Yes	Approved Cost Budget	Yes
	Yes	Approved Cost Budget	Yes

Tasks Messages	Task Upload Action	Parent Task Number	Task Number	Planned Start Date	Planned Finished Date
	Update	WTBL140222A	1.0	3/05/2021	30/09/2025
	Update	WTBL140222A	2.0	28/06/2021	30/09/2025
	Update	2.0	2.1	28/06/2021	30/09/2025
	Update	2.0	2.2	19/07/2021	30/09/2025
	Update	2.0	2.3	9/08/2021	30/09/2025
	Update	WTBL140222A	3.0	30/08/2021	30/09/2025
	Update	WTBL140222A	4.0	1/11/2021	30/09/2025
	Update	WTBL140222A	900	1/05/2021	30/09/2025
	Update	WTBL140222A	1000	1/05/2021	30/09/2025
	Update	WTBL140222B	1.0	3/05/2021	31/03/2026
	Update	WTBL140222B	2.0	28/06/2021	31/03/2026
	Update	2.0	2.1	28/06/2021	31/03/2026
	Update	2.0	2.2	19/07/2021	31/03/2026
	Update	WTBL140222D	1.0	3/05/2021	31/03/2028
	Update	WTBL140222D	2.0	28/06/2021	31/03/2028
	Update	2.0	2.1	28/06/2021	31/03/2028
	Update	2.0	2.2	19/07/2021	31/03/2028
	Update	2.0	2.3	9/08/2021	31/03/2028

The Baseline functionality will be triggered only if all the sections on the sheet are valid. If errors exist in any of the sections on the sheet during the upload, Baseline will not be set for the Project Plan. Correct any errors on the sheet and upload again to set the Project Plan to Baseline.

Sections:
[Create Project Details](#)
[Download Projects](#)
[Update Existing Projects](#)
[Team Members](#)
[Tasks](#)
[Classifications](#)
[Customers](#)
[Provider Business Units](#)
[Project Attachments](#)
[Transaction Controls](#)
[Create/Update Limitations](#)

Create/Update Limitations

Projects REST web services do not respect user security

Currently, the REST web services for Financial Projects Integrator lack user security features, which essentially means that anyone can use the integrator to download projects from any Business Unit without any access restrictions or authorization protocols in place. Please be aware of this restriction when giving users access to the integrator as this absence of user security measures may raise concerns about data confidentiality and access control within the system. You may want to limit the use of this Integrator to 'Superusers' of the system. We have raised an idea with Oracle to improve this functionality. Please click [here](#) to add your vote to the idea.

Descriptive Flexfields

Refer to the [Descriptive Flexfields](#) documentation for more information about them and their limitations.

Bulk Data Load

To work around potential performance issues in the Projects Integrator, a grouping methodology is used to load each section of the Integrator. For example, if 500 Tasks are to be created from the Integrator, it will group 10 tasks at a time and upload these to the supported Oracle ERP Cloud web service. If any one of the 10 tasks have an error, the entire group will be rejected by the REST web service and the error is to be corrected before another upload is attempted. It is recommended that before a large set of Tasks are created, a “Validate” run is done to identify any errors in advance.

Mandatory Quick Entry fields

If a Project Template has mandatory Quick Entry fields such as Classifications or Team Members, the Financial Projects Integrator, which uses the Supported Oracle ERP Cloud web service, will ignore them. For example, a project without Classifications will be created using the Financial Projects Integrator even though Classifications is set up as a mandatory field to be populated as part of the Quick Entry form in Oracle.

Business Unit / Legal Entity

Currently, suitable Oracle ERP Cloud LOV web services do not exist for Business Units and Legal Entity. It is, therefore recommended that these columns are left blank for the upload process. The values against the Source Project Template will be copied to a new Project when it is created from the Integrator. Business Unit and Legal Entity are currently read-only columns on the sheet.

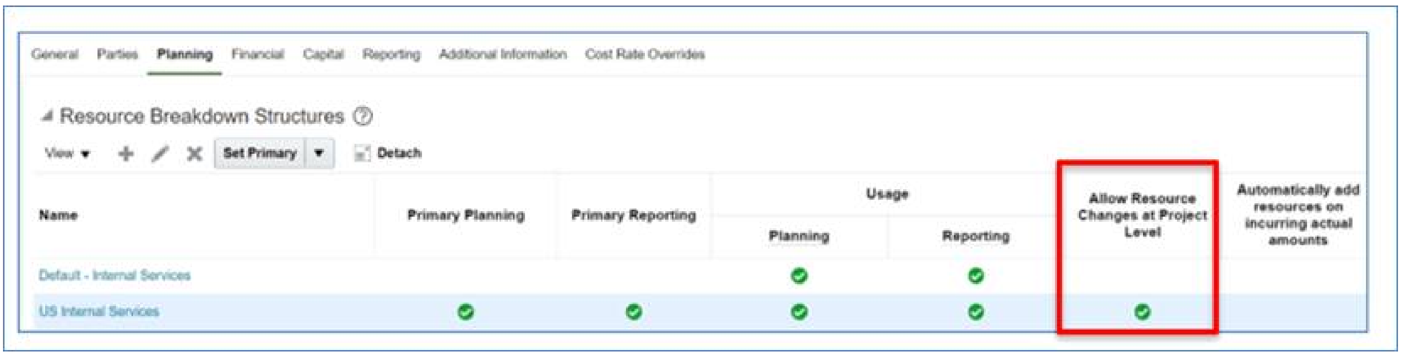
Sections:

Create Project Details
Download Projects
Update Existing Projects
Team Members
Tasks
Classifications
Customers
Provider Business Units
Project Attachments
Transaction Controls
Project Plan Baseline

Planning RBS Integrator

The Planning RBS Integrator allows you to interact with Planning Resource Breakdown Structures (RBS) allocated to a project, giving you the capabilities to download, create, and update them. It also lets you perform similar actions on planning resources connected to the Planning RBS linked with a project. This tool feeds data into Oracle Cloud by utilizing the Oracle ERP Cloud REST Web Services which are officially supported.

Additional resources against RBS can only be created if it has the ‘Allow Resource Changes at Project Level’ option enabled.



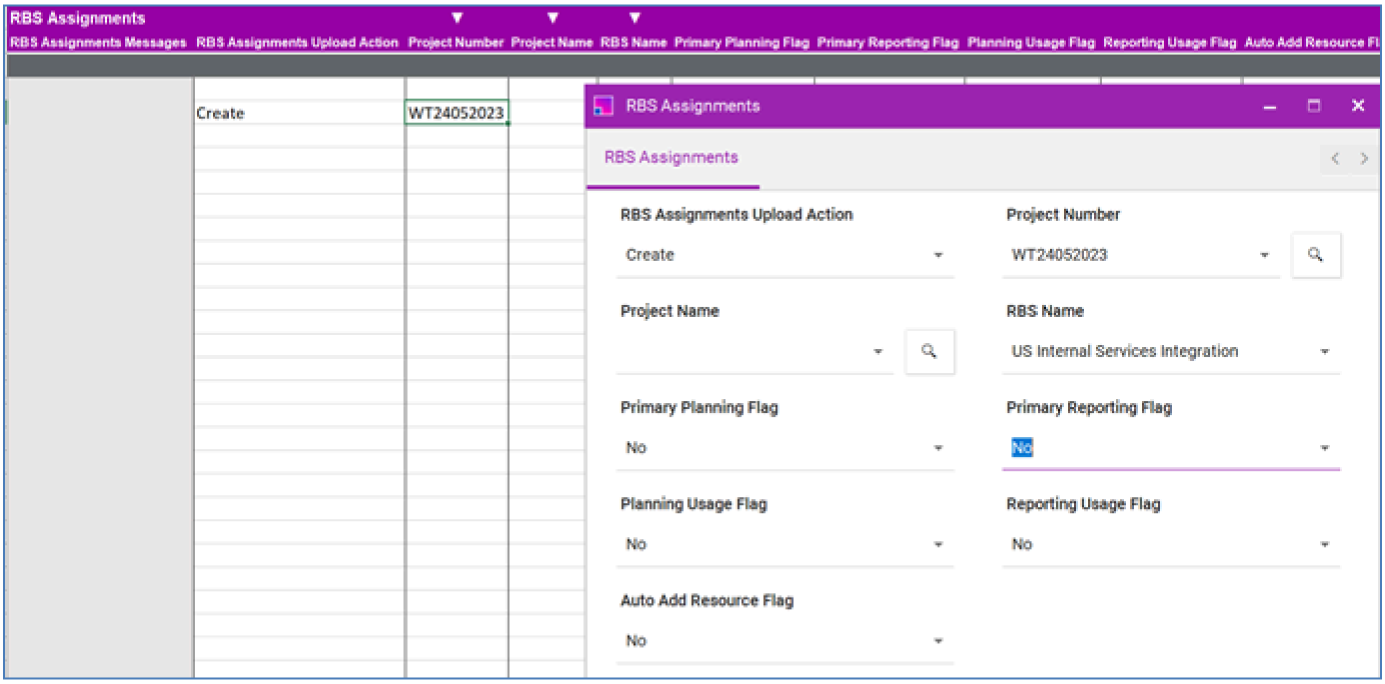
Sections:
[Create a Planning RBS Assignment to a Project](#)
[Update a Planning RBS Assignment to a Project](#)
[Download Existing Planning RBS Assignments and Resources](#)
[Create Planning Resources](#)
[Update Planning Resources](#)
[Limitations](#)

Create a Planning RBS Assignment to a Project

Become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

To create a Planning RBS Assignment to a Project, the 'RBS Assignments Upload Action' column value must be **Create or Create records**. Create records causing all related child components to default to the same action, while Create will only create that section. Refer to the Uploading section for more information on how to upload the Create action.

There are two ways to input values: you can directly input them into the sheet or utilize the Data Form to find and enter the values. Be aware that the 'Primary Reporting Flag' requires a value; it cannot be left blank.



After populating the required data on the sheet, proceed to Uploading this data to Oracle.

Sections:
[Update a Planning RBS Assignment to a Project](#)
[Download Existing Planning RBS Assignments and Resources](#)
[Create Planning Resources](#)
[Update Planning Resources](#)
[Limitations](#)

Update a Planning RBS Assignment to a Project

If you need to make updates to an existing Planning RBS linked to a project, More4apps suggests first downloading them onto the sheet. Consult the Download Existing Planning RBS Assignments and Resources section for detailed instructions on how to do this.

In order to modify the flags for the Planning RBS attached to a project, you must set 'RBS Assignments Upload Action' to either **Update or Update records** action if changes are necessary, or leave it blank if no data processing is needed. For successful update of the header and/or child sections, fields like 'Project Number' or 'Project Name' and 'RBS Name' need to be filled. For further guidance on how to upload the Update action, refer to the Uploading section.

The following flags can be updated:

- Primary Planning Flag
- Primary Reporting Flag
- Planning Usage Flag
- Reporting Usage Flag

RBS Assignments								
RBS Assignments Messages	RBS Assignments Upload Action	Project Number	Project Name	RBS Name	Primary Planning Flag	Primary Reporting Flag	Planning Usage Flag	Reporting Usage Flag
	Update	WTPERF010622-327	WTPERF010622-327	US Internal Services	Yes	Yes	Yes	Yes

If you want to update a ‘Primary Planning Flag’ from ‘No’ to ‘Yes’, you must set ‘Allow Changing Primary Flag’ to ‘Yes’. This flag indicates if the primary planning resource breakdown structure should be changed even though there are baselined versions using the existing one. See example below.

Status		RBS Assignments									
RBS Assignments Status	Resources Validation Status	RBS Assignments Messages	RBS Assignments Upload Action	Project Number	Project Name	RBS Name	Allow Changing Primary Flag	Primary Planning Flag	Primary Reporting Flag	Planning Usage Flag	Reporting Usage Flag
Default Values											
				WTP001	WT Project	Default - NIWA		Yes	Yes	Yes	Yes
				WTP001	WT Project	NIWA Planning Resource Breakdown Structure		No	No	Yes	Yes
				WTP001	WT Project	Default - NIWA		Yes	Yes	Yes	Yes
Accepted			Update	WTP001	WT Project	NIWA Planning Resource Breakdown Structure	$\boxed{\text{Yes}}$	$\boxed{\text{Yes}}$	Yes	Yes	Yes
				WTP001	WT Project	Default - NIWA		No	No	Yes	Yes
				WTP001	WT Project	NIWA Planning Resource Breakdown Structure		Yes	Yes	Yes	Yes

After populating the required data on the sheet, proceed to Uploading this data to Oracle.

Sections:
Create a Planning RBS Assignment to a Project
Download Existing Planning RBS Assignments and Resources
Create Planning Resources
Update Planning Resources
Limitations

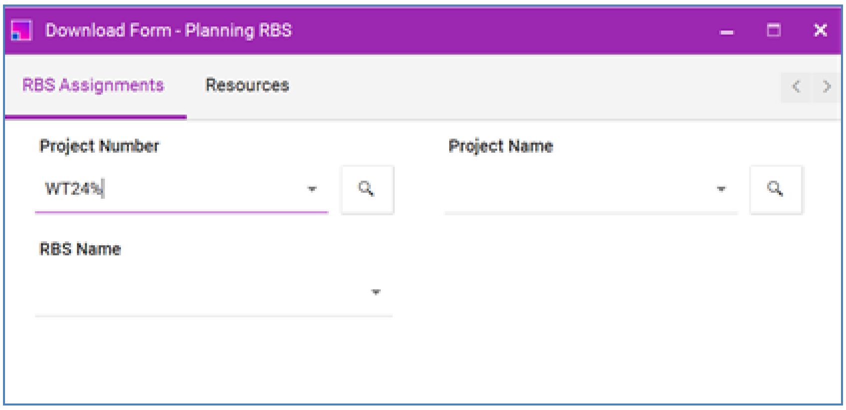
Download Existing Planning RBS Assignments and Resources

There are two methods to download existing Planning Resource Breakdown Structures (RBS) assignments: **via Form** and **via Sheet**.

Download via Form

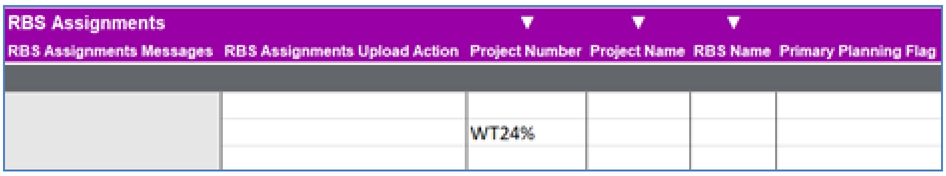
This method allows you to search for values directly within the form. If you're uncertain of the entire value, use the wildcard symbol '%' to represent unknown characters in your search. Follow these steps:

1. Open the Data Form.
2. Use the search function to input the values you're looking for. Remember, you can use the wildcard symbol '%' to substitute for unknown parts of the value.
3. Once you've found the desired values, select 'Download'. The assignments will be downloaded based on your search criteria.



Download via Sheet
In this method, the values you input on the sheet serve as search parameters. Remember, only the columns marked with a triangle symbol can be used as search filters. If you're unsure of the entire value, use the wildcard symbol '%'. Follow these steps:

1. Open the Sheet and input your desired search parameters into the columns that have a triangle symbol. Use the wildcard '%' to substitute for unknown parts of the value.
2. Once you've filled in the required search parameters, select 'Download'. The assignments will be downloaded based on the data you have input.



Ensure that you've correctly filled in the necessary parameters using the appropriate method to successfully download the desired Planning RBS assignments.

Sections:
[Create a Planning RBS Assignment to a Project]
[Update a Planning RBS Assignment to a Project]
[Create Planning Resources]
[Update Planning Resources]
[Limitations]

Create Planning Resources

To create Planning Resources against the Planning RBS assigned to a Project, the ‘Resources Upload Action’ column value must be **Create or [Create records](#)**. Create records causing all related child components to default to the same action, while Create will only create that section. Refer to the [Uploading](#) section for more information on how to upload the Create action.

There are two ways to input values: you can directly input them into the sheet or utilize the Data Form to find and enter the values.

			Resources												
Project Number	Project Name	RBS Name	Resources Validation Messages	Resources Upload Action	Resource Name	New Resource Name	Resource Format	Resource Class	Spread Curve	Expenditure Category	Expenditure Type	Job	Person	Person Number	Disabled
WTPERF010622-327	WTPERF010622-327	US Internal Services - Capital based		Create	Thomas Kendall		Named Person	Labor	Prorated Even				Kendall, Thomas		No
				Create	Labor		Resource Class	Labor	Prorated Even						No
				Create	Bulk Materials		Expenditure Type	Material Items	Prorated Even		Bulk Materials				No
				Create	Administrator		Job	Labor	Prorated Even			Administrato			No

The column labelled "Person Number" is utilized solely during the creation process. Its purpose is to help manage potential duplicate person names that might exist within the system. It will not be downloaded.

After populating the required data on the sheet, proceed to [Upload](#) this data to Oracle.

Sections:

[Create a Planning RBS Assignment to a Project](#)
[Update a Planning RBS Assignment to a Project](#)
[Download Existing Planning RBS Assignments and Resources](#)
[Update Planning Resources](#)
[Limitations](#)

Update Planning Resources

If you need to make updates to existing Planning Resources on a planning RBS linked to a project, More4apps suggests first downloading them onto the sheet. Consult the [Download Existing Planning RBS Assignments and Resources](#) section for detailed instructions on how to do this.

In order to modify existing Planning Resources against a planning RBS assigned to a project, you must set ‘Resources Upload Action’ to either **Update or [Update records](#)** action if changes are necessary, or leave it blank if no data processing is needed. For successful update of the header and/or child sections, fields like 'Project Number' or 'Project Name' and 'RBS Name' need to be filled. For further guidance on how to upload the Update action, refer to the [Uploading](#) section.

To modify the Resource Name, use the column labelled 'New Resource Name'. In this column, you will input the desired new value. This action will enable the update of the Resource Name. It's important to ensure that you enter the new value accurately, as this will be reflected as the updated Resource Name moving forward.

Resources					
Resources Validation Messages	Resources Upload Action	Resource Name	New Resource Name	Resource Format	Res
		Purchased Equipment		Expenditure Type	Fina
	Update	Desktop Specialist	Desktop Analyst	Job	Lab
		Systems Analyst		Job	Lab
		Network Specialist		Job	Lab

Other columns that can be updated are:

- Resource Class
- Spread Curve
- Disabled flag

Sections:
[Create a Planning RBS Assignment to a Project](#)
[Update a Planning RBS Assignment to a Project](#)
[Download Existing Planning RBS Assignments and Resources](#)
[Create Planning Resources](#)
[Limitations](#)

Limitations

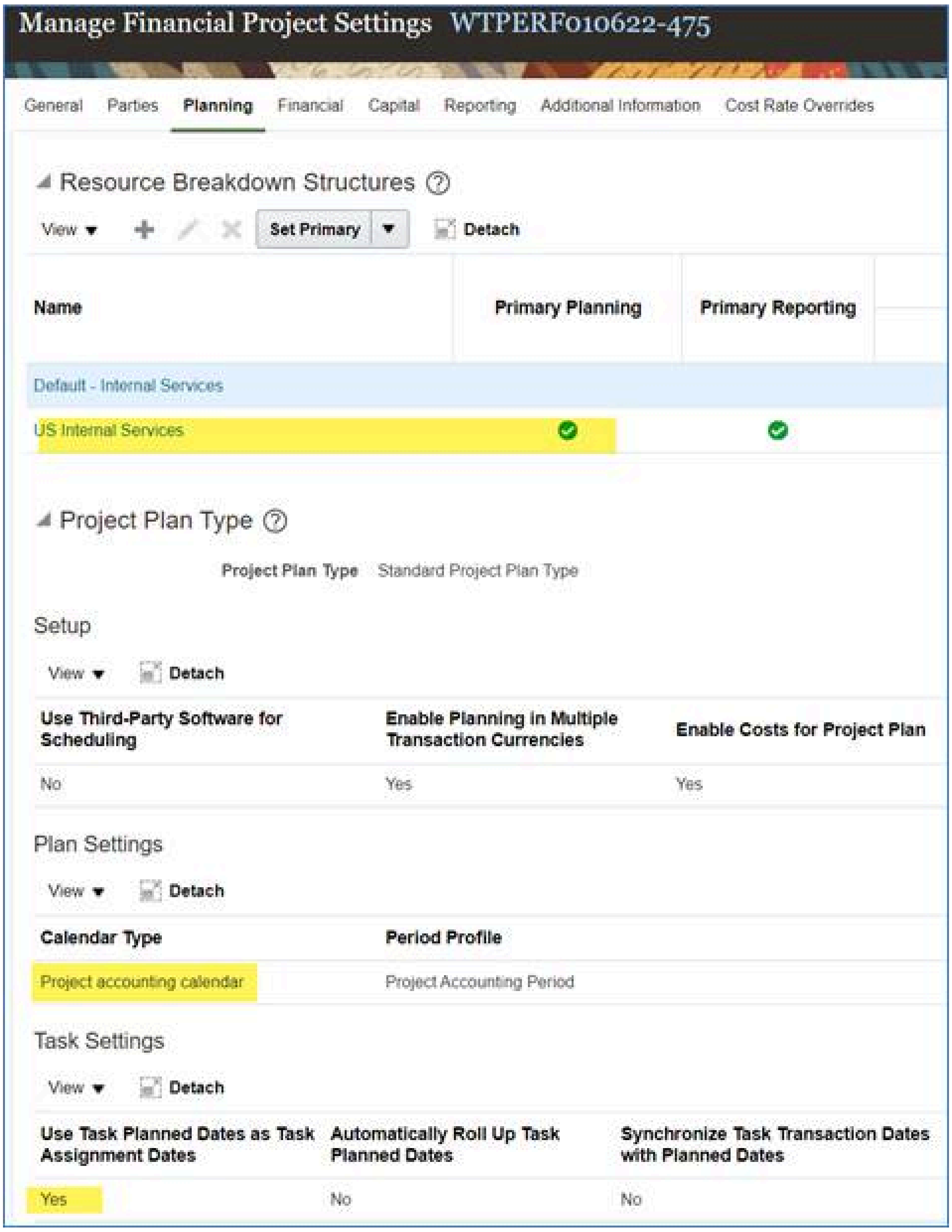
Delete a planning Resource Breakdown Structure assignment to a Project
There is currently no REST web services available to delete a planning resource breakdown structure assignment to a project. Log an idea with Oracle Idea Lab if you require this functionality.

Sections:
Create a Planning RBS Assignment to a Project
Update a Planning RBS Assignment to a Project
Download Existing Planning RBS Assignments and Resources
Create Planning Resources
Update Planning Resources

Financial Plan Resource Assignments Integrator

The Financial Plan Resource Assignments Integrator can be used to view, Create, Update and Delete Resource Assignments and Planning Amounts against the Financial Plan Project Tasks in the Project Portfolio Management module. The tool loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

The Integrator will use the default options set under the Planning tab of the Financial Project when creating Resource Assignments against the Financial Plan Project Tasks.



The following default settings will be used in the Integrator:

- Resource Breakdown Structures: Primary Planning RBS is used to build the List of Values of the Resources.

- Plan Settings: Depending on the calendar type selected on the associated project plan type, you can enter planned amounts for the entire project duration or for specific periods from the accounting or the project accounting calendar.

  If you select a calendar, the assignment spread curve spreads the planned amounts you entered for a task assignment across all periods within the assignment duration.

- Task Settings: Use Task Planned Dates as Task Assignment Dates: When you set this option to ‘Yes’, task assignments last for the entire task duration. Let's say the project manager set the task duration from January 1 through May 31, and the task assignment is from February 1 through March 1. The task assignment now runs from January 1 until May 31.

If you don't set this option to 'Yes', the project manager can set the task assignment dates in the project and edit individual task dates.

Sections:

[Create Financial Plan Resource Assignments](#)
[Download Financial Plan Resource Assignments](#)
[Update Financial Plan Resource Assignments](#)
[Delete Financial Plan Resource Assignments](#)

Create Financial Plan Resource Assignments

There are three sections in the Financial Plan Resource Assignments Integrator:

- Project References
- Resource Assignments
- Planning Amounts with Descriptive Flex

Project References section is used to display the Project Name and Project Number associated with the Tasks. This section is required in order to create, update, or delete resource assignments against Project Tasks. You can either use the Project Name or Project Number as a reference for the tasks. The section cannot be used to update or delete a project. Use the [Financial Projects Integrator](#) to change the Project details.

To create the new resource assignments against existing Project Tasks, More4apps recommends first downloading existing records to the worksheet to review any resource assignments already present. When creating a new Project, Tasks and Resource Assignments are automatically copied from the Project Template to the new Project.

To create Resource Assignments and Planning Amounts, enter 'Create' in the 'Resource Assignments Upload Action' and 'Planning Amounts Upload Action' columns. Make sure that either Project Number or Project Name is on the sheet.

▼	▼	Resource Assignments								Planning Amounts					
Project Name	Project Numbe	Resource Assignments Message	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date	Planning Amounts Validation Message	Planning Amounts Upload Actio	Currency	Planned Quantity	Planned Raw Cost	Plann
WTPERF010622-454	WTPERF010622-454			4.2	Install Thi	Rob Sciarretta	Hours	1/07/2022 12:00	31/07/2022 12:00			USD	22	3212	
				4.2	Install Thi	Tom Bush	Hours	1/07/2022 12:00	31/07/2022 12:00			USD	22	2112	
				5.0	Project M	Thomas Kend	Hours	1/10/2021 13:00	31/07/2022 12:00			USD	22	5280	
				6.1	Internal S	Rob Sciarretta	Hours	1/08/2022 12:00	31/07/2023 12:00			USD	22	3212	
				6.2	Third Part	Annie Zimmer	Hours	1/08/2022 12:00	31/07/2023 12:00			USD	22	2684	
				6.2	Third Part	Rob Sciarretta	Hours	1/08/2022 12:00	31/07/2023 12:00			USD	22	3212	
				2.1	Permits ar	Contract Servi	Currency	1/11/2021 13:00	8/12/2021 13:00			USD		888	
				3.1	Construct	Contract Servi	Currency	30/12/2021 13:00	30/04/2022 12:00			USD		888	
				3.2	Construct	Contract Servi	Currency	1/05/2022 12:00	31/05/2022 12:00			USD		999	
				4.1	Install Int	Contract Servi	Currency	1/06/2022 12:00	30/06/2022 12:00			USD		888	
				4.2	Install Thi	Contract Servi	Currency	1/07/2022 12:00	31/07/2022 12:00			USD		888	
				6.1	Internal S	Supplies	Currency	1/08/2022 12:00	31/07/2023 12:00			USD		888	
				6.2	Third Part	Supplies	Currency	1/08/2022 12:00	8/08/2022 12:00			USD		566	
				6.2	Third Part	Contract Servi	Currency	1/08/2022 12:00	6/08/2022 12:00			USD	20	22	
			Create	1.0	Planning	Andrew Moore					Create	USD	21		
			Create	1.0	Planning	Annie Zimmerman					Create	USD	22		
			Create	2.1	Permits ar	Andrew Moore					Create	USD	23		
			Create	2.1	Permits ar	Kyle Morgan					Create	USD	24		
			Create	2.2	Design Re	Andrew Moore					Create	USD	25		
			Create	2.2	Design Re	Kyle Morgan					Create	USD	26		
			Create	3.1	Construct	Kyle Morgan					Create	USD	27		
			Create	3.1	Construct	Tom Bush					Create	USD	28		
			Create	3.2	Construct	Annie Zimmerman					Create	USD	29		
			Create	3.2	Construct	Kyle Morgan					Create	USD	30		
			Create	3.2	Construct	Rob Sciarretta					Create	USD	31		
			Create	3.2	Construct	Tom Bush					Create	USD	32		
			Create	4.1	Install Int	Kyle Morgan					Create	USD	33		
			Create	4.1	Install Int	Tom Bush					Create	USD	34		
			Create	4.2	Install Thi	Kyle Morgan					Create	USD	35		

Note that the currency used in the Planning Amounts section must be the default currency set against the Project.

When you create Resource Assignments without any Planning Amounts, a Planning Amount line with the currency code is automatically created.

		Resource Assignments								Planning Amounts					
Project Name	Project Number	Resource Assignments Message	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date	Planning Amounts Validation Message	Planning Amounts Upload Actio	Currency	Planned Quantity	Planned Raw Cost	Planned Bu
WTPERF010622-454	WTPERF010622-454			1.0	Planning	Andrew Moor	Hours	1/10/2021 13:00	31/10/2021 13:00			USD			
				1.0	Planning	Annie Zimmer	Hours	1/10/2021 13:00	31/10/2021 13:00			USD			
				2.1	Permits ar	Andrew Moor	Hours	1/11/2021 13:00	8/12/2021 13:00			USD			
				2.1	Permits ar	Kyle Morgan	Hours	1/11/2021 13:00	8/12/2021 13:00			USD			
				2.2	Design Re	Andrew Moor	Hours	9/12/2021 13:00	29/12/2021 13:00			USD			

To create Planning Amounts against existing Resource Assignments, enter ‘Update’ in the ‘Planning Amounts Upload Action’ column.

		Resource Assignments								Planning Amounts			
Project Name	Project Number	Resource Assignments Message	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date	Planning Amounts Validation Message	Planning Amounts Upload Actio	Currency	Planned Quantity
WTPERF010622-454	WTPERF010622-454			1.0	Planning	Andrew Moor	Hours	1/10/2021 13:00	31/10/2021 13:00		Update	USD	58
				1.0	Planning	Annie Zimmer	Hours	1/10/2021 13:00	31/10/2021 13:00		Update	USD	87
				2.1	Permits ar	Andrew Moor	Hours	1/11/2021 13:00	8/12/2021 13:00		Update	USD	474
				2.1	Permits ar	Kyle Morgan	Hours	1/11/2021 13:00	8/12/2021 13:00		Update	USD	558
				2.2	Design Re	Andrew Moor	Hours	9/12/2021 13:00	29/12/2021 13:00		Update	USD	877
				2.2	Design Re	Kyle Morgan	Hours	9/12/2021 13:00	29/12/2021 13:00		Update	USD	58
				3.1	Construct	Kyle Morgan	Hours	30/12/2021 13:00	30/04/2022 12:00		Update	USD	43

To create multiple resource assignments against the same task, the Task Number must be repeated for every new resource assignment to be created.

Resource Assignments								Planning Amounts			
Resource Assignments Message	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date	Planning Amounts Validation Message	Planning Amounts Upload Actio	Currency	Planned Quantity
	Create	6.2		Andrew Moore					Create	USD	55
	Create	6.2		Annie Zimmerman					Create	USD	64
	Create	6.2		Andrew Moore					Create	USD	7
	Create	6.2		Kyle Morgan					Create	USD	122

Planning Start Date and Planning End Date should be left blank if the Task Setting option uses Task Planned Dates as Task Assignment Dates.

When the Create upload action is uploaded to Oracle and if there are no errors, the ‘Resource Assignments Status’ will be set to an ‘Accepted’ status. The ‘Planning Amounts Validation Status’ will not be set to an ‘Accepted’ status. If the Planning Amounts details are valid, then the ‘Planning Amounts Validation Status’ will remain ‘Validated’ and its parent section ‘Resource Assignments Status’ will have an ‘Accepted’ status returned.

Status		
Project References Validation Status	Resource Assignments Status	Planning Amounts Validation Status
Default Values		
Validated	Accepted	Validated
	Accepted	Validated
	Accepted	Validated
	Accepted	Validated

Time zones

When creating a project with a time zone different from your computer's settings, the downloaded ‘Planning Start Date’ and ‘Planning End Date’ may not match what is displayed on the Oracle screen. To align these, it's recommended to adjust your local time zone settings to match the time zone used during project creation. This ensures that the downloaded ‘Planning Start Date’ and ‘Planning End Date’ corresponds accurately with Oracle displays. Note that unmatched ‘Planning Start Date’ and ‘Planning End Date’ due to different time zones have no impact on the update functionality.

Sections:

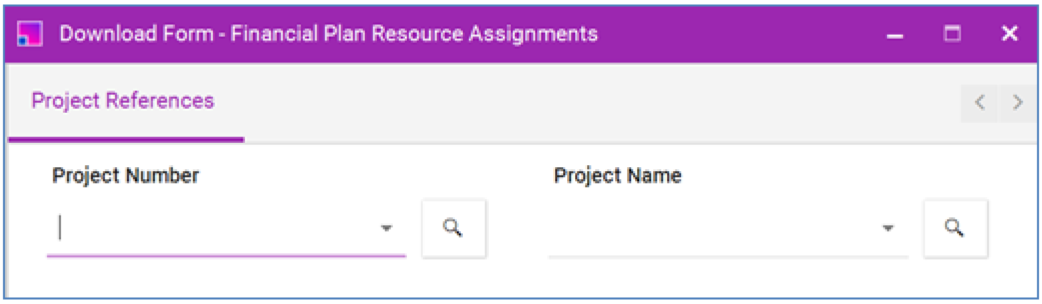
[Download Financial Plan Resource Assignments](#)

Update Financial Plan Resource Assignments
Delete Financial Plan Resource Assignments

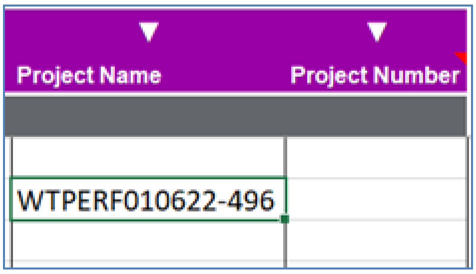
Download Financial Plan Resource Assignments

There are two ways to download Resource Assignments against the Financial Plan Project Tasks.

Download via Form
The Download Form will be displayed when the ‘Download via Form’ is selected from the ribbon. Here, you can enter values into the available fields to set the download criteria. You can download either by Project Number or Project Name criteria. Click the ‘Download’ button to download data onto the sheet.



Download via Sheet
When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the Download via Sheet option. Also note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query. Make sure the selected row on the sheet contains the criteria you wish to use for the Download via Sheet function.



Note - When the Resource Assignments are downloaded to the sheet, the Tasks will not be sorted. This is a limitation in the Oracle REST download web service.

		Resource Assignments					
Project Name	Project Numbe	Resource Assignments Messag	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name	Unit of M
WTPERF010622-12	WTPERF010622-12			3.1	Construct	Debbie Bellas	Hours
				4.1	Install Int	Debbie Bellas	Hours
				4.2	Install Thi	Debbie Bellas	Hours
				5.0	Project M	Amy Marlin	Hours
				2.1	Permits a	Contract Servi	Currenc
				3.1	Construct	Contract Servi	Currenc
				3.2	Construct	Contract Servi	Currenc
				4.1	Install Int	Contract Servi	Currenc
				4.2	Install Thi	Contract Servi	Currenc
				6.1	Internal S	Supplies	Currenc
				6.2	Third Part	Supplies	Currenc
WTPERF010622-33	WTPERF010622-33			8.0	Deploy	Aakash Sharm	Hours
				8.0	Deploy	John Lee	Hours
				7.0	Environm	Aakash Sharm	Hours
				6.0	System C	Aakash Sharm	Hours
				1.0	Pre-Imple	Aakash Sharm	Hours
				9.0	Project M	Amy Marlin	Hours
				3.0	Change M	Aakash Sharm	Hours
				4.0	System D	Aakash Sharm	Hours
				4.0	System D	John Lee	Hours
				2.1	Project Pl	Aakash Sharm	Hours
				5.2	Applicatio	Aakash Sharm	Hours
				5.2	Applicatio	John Lee	Hours
				5.1	Business S	Aakash Sharm	Hours
				2.3	Infrastruc	Aakash Sharm	Hours
				2.3	Infrastruc	John Lee	Hours
				2.2	Infrastruc	Aakash Sharm	Hours
				2.2	Infrastruc	John Lee	Hours

Time Zones

When creating a project with a time zone different from your computer's settings, the downloaded ‘Planning Start Date’ and ‘Planning End Date’ may not match what is displayed on the Oracle screen. To align these, it's recommended to adjust your local time zone settings to match the time zone used during project creation. This ensures that the downloaded ‘Planning Start Date’ and ‘Planning End Date’ corresponds accurately with Oracle displays. Note that unmatched ‘Planning Start Date’ and ‘Planning End Date’ due to different time zones have no impact on the update functionality.

Sections:

[Create Financial Plan Resource Assignments](#)
[Update Financial Plan Resource Assignments](#)
[Delete Financial Plan Resource Assignments](#)

Update Financial Plan Resource Assignments

Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to existing Resource Assignments, More4apps recommends downloading them to the worksheet first. **Upload Action** columns can be populated with an **Update or Update records** action if the values are to be updated or left blank if no processing of the data is required.

The Resource Assignments section only allows the Update of ‘Planning Start Date’ and ‘Planning End Date’ if the Task Settings ‘Use Task Planned Dates as Task Assignment Dates’ is set to ‘No’, otherwise, you cannot Update the dates.

Planning Amounts and / or Plan Lines Descriptive Flexfields (DFFs) can be updated by setting 'Planning Amounts Upload Action’ to ‘Update’.

Planning Amounts								Plan Lines DFF		
Planning Amounts Validation Messages	Planning Amounts Upload Action	Currency	Planned Quantity	Planned Raw Cost	Planned Burdened Cost	Effective Raw Cost Rate	Effective Burdened Cost Rate	Plan Lines Context	Attribute1	Attribute2
	Update	USD	320	46720	46720	146	146			
	Update	USD	180	26280	26280	146	146			
	Update	USD	360	52560	52560	146	146			
	Update	USD	100	15400	15400	154	154			
	Update	USD	320	46720	46720	146	146			
	Update	USD	360	52560	52560	146	146	More4apps Serv	Banana	Apple
		USD	55	8360	8360	152	152			

When Planning Amounts and / or the Plan Lines DFF are uploaded to Oracle, the ‘Planning Amounts Validation Status’ will not be set to an ‘Accepted’ status. If the Planning Amounts details are valid, then the ‘Planning Amounts Validation Status’ will remain ‘Validated’ and its parent section ‘Resource Assignments Status’ will have an ‘Accepted’ status returned.

Status		
Project References Validation Status	Resource Assignments Status	Planning Amounts Validation Status
Default Values		
Validated	Accepted	Validated
	Accepted	Validated
	Accepted	Validated
	Accepted	Validated

Time Zones
When creating a project with a time zone different from your computer's settings, the downloaded ‘Planning Start Date’ and ‘Planning End Date’ may not match what is displayed on the Oracle screen. To align these, it's recommended to adjust your local time zone settings to match the time zone used during project creation. This ensures that the downloaded ‘Planning Start Date’ and ‘Planning End Date’ corresponds accurately with Oracle displays. Note that unmatched ‘Planning Start Date’ and ‘Planning End Date’ due to different time zones have no impact on the update functionality.

Sections:
Create Financial Plan Resource Assignments
Download Financial Plan Resource Assignments
Delete Financial Plan Resource Assignments

Delete Financial Plan Resource Assignments

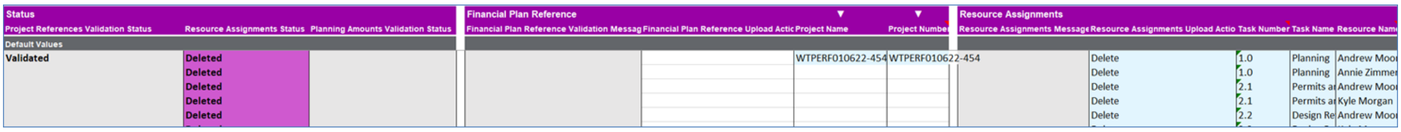
Refer to the Uploading section for more information on how to upload the ‘Delete’ action.

To Delete existing Resource Assignments, More4apps recommends downloading them to the worksheet first.

To delete a Resource Assignment, the ‘Resource Assignments Upload Action’ must have the ‘Delete’ action. When you delete at the Resource Assignments level, the entire Resource Assignment including Planning Amounts and Plan Line Descriptive Flexfields (DFFs) will be deleted.

Once the desired records are marked for Delete, Upload the changes to Oracle.

The ‘Deleted’ status is returned to the sheet for ‘Resource Assignments Status’ once the Resource Assignments are successfully deleted from Oracle.



Status			Financial Plan Reference				Resource Assignments				
Project References Validation Status	Resource Assignments Status	Planning Amounts Validation Status	Financial Plan Reference Validation Messag	Financial Plan Reference Upload Actic	Project Name	Project Numbe	Resource Assignments Message	Resource Assignments Upload Actio	Task Number	Task Name	Resource Name
Default Values											
Validated	Deleted				WTPERF010622-454	WTPERF010622-454		Delete	1.0	Planning	Andrew Moo
	Deleted							Delete	1.0	Planning	Annie Zimme
	Deleted							Delete	2.1	Permits a	Andrew Moo
	Deleted							Delete	2.1	Permits a	Kyle Morgan
	Deleted							Delete	2.2	Design Re	Andrew Moo

Planning Amounts cannot be deleted individually as they are linked to Resource Assignments. If you want Planning Amounts deleted, delete the Resource Assignment associated with the Planning Amounts and re-create them without the unwanted Planning Amounts.

Sections:
Create Financial Plan Resource Assignments
Download Financial Plan Resource Assignments
Update Financial Plan Resource Assignments

Costs Integrator

Costs Integrator can be used to capture project-related costs to create uncosted, costed, and accounted transactions for third-party application sources in Project Costing. The Costs Integrator loads data to the interface table in Oracle Cloud using the supported Oracle ERP Cloud REST Web Services. The data in the interface table contains two types of transactions:

- Unprocessed Transactions
- Rejected Transactions from the Import Costs process

The Oracle Import Costs process performs the necessary steps on the Unprocessed Transactions to convert them to Project Costs. You can also review the errors for pending and rejected transactions in the Manage Unprocessed Costs page or in the Oracle Import Costs Report.

Ensure you are familiar with the More4apps Projects module prerequisites before attempting to use this Integrator.

Sections:
Create Unprocessed Project Costs
Create Limitations
Download Unprocessed Project Costs
Download Processed Project Costs
Delete Unprocessed Project Costs
Import Unprocessed Project Costs
Refresh Import Results

Create Unprocessed Project Costs

Become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

To create an Unprocessed Project Cost, the 'Expenditure Items Upload Action' column value must be 'Create'. There is only ONE section in the Costs Integrator so there will only be one upload action column available on the sheet. Please refer to the Uploading section for more information on how to upload the Create action.

Projects
Costs

Status		Batch		
Batch Status		Batch Messages	Expenditure Items Upload Action	Transaction Referen
Default Values				
			Create	

Batch Header

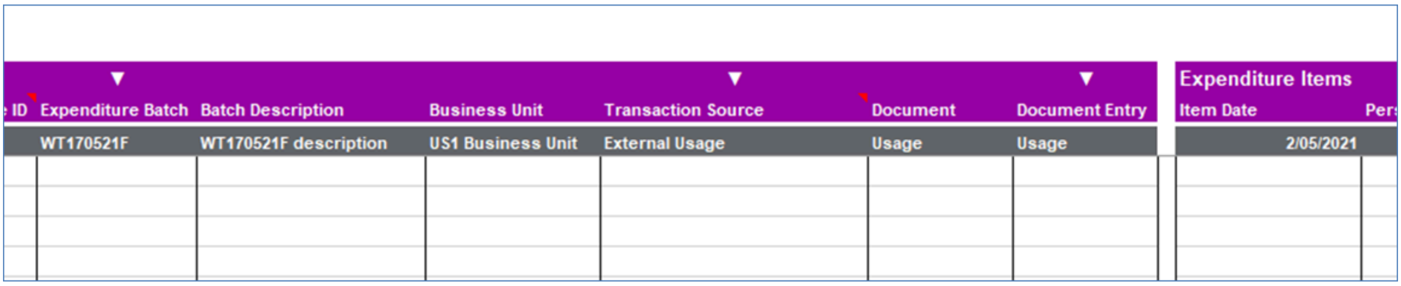
Every transaction on the sheet requires a Batch Name. You can enter multiple Batches on the sheet. If there are multiple transactions per batch, you must repeat the Batch details on every transaction line on the sheet unless you choose to use the Default Row, described below.

Projects
Costs

Status		Batch								
Batch Status		Batch Messages	Expenditure Items Upload Action	Transaction Reference ID	Expenditure Batch	Batch Description	Business Unit	Transaction Source	Document	Document Er
Default Values										
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521C	WT170521C description	US1 Business Unit	External Usage	Usage	Usage
			Create		WT170521D	WT170521D description	US1 Business Unit	External Miscellaneous	Miscellaneous	Miscellane
			Create		WT170521D	WT170521D description	US1 Business Unit	External Miscellaneous	Miscellaneous	Miscellane
			Create		WT170521E	WT170521E description	US1 Business Unit	External Miscellaneous	Miscellaneous	Miscellane
			Create		WT170521E	WT170521E description	US1 Business Unit	External Time Entry System	Timecard	Straight Tin
			Create		WT170521E	WT170521E description	US1 Business Unit	External Time Entry System	Timecard	Straight Tin
			Create		WT170521E	WT170521E description	US1 Business Unit	External Time Entry System	Timecard	Straight Tin
			Create		WT170521E	WT170521E description	US1 Business Unit	External Time Entry System	Timecard	Straight Tin
			Create		WT170521E	WT170521E description	US1 Business Unit	External Time Entry System	Timecard	Straight Tin

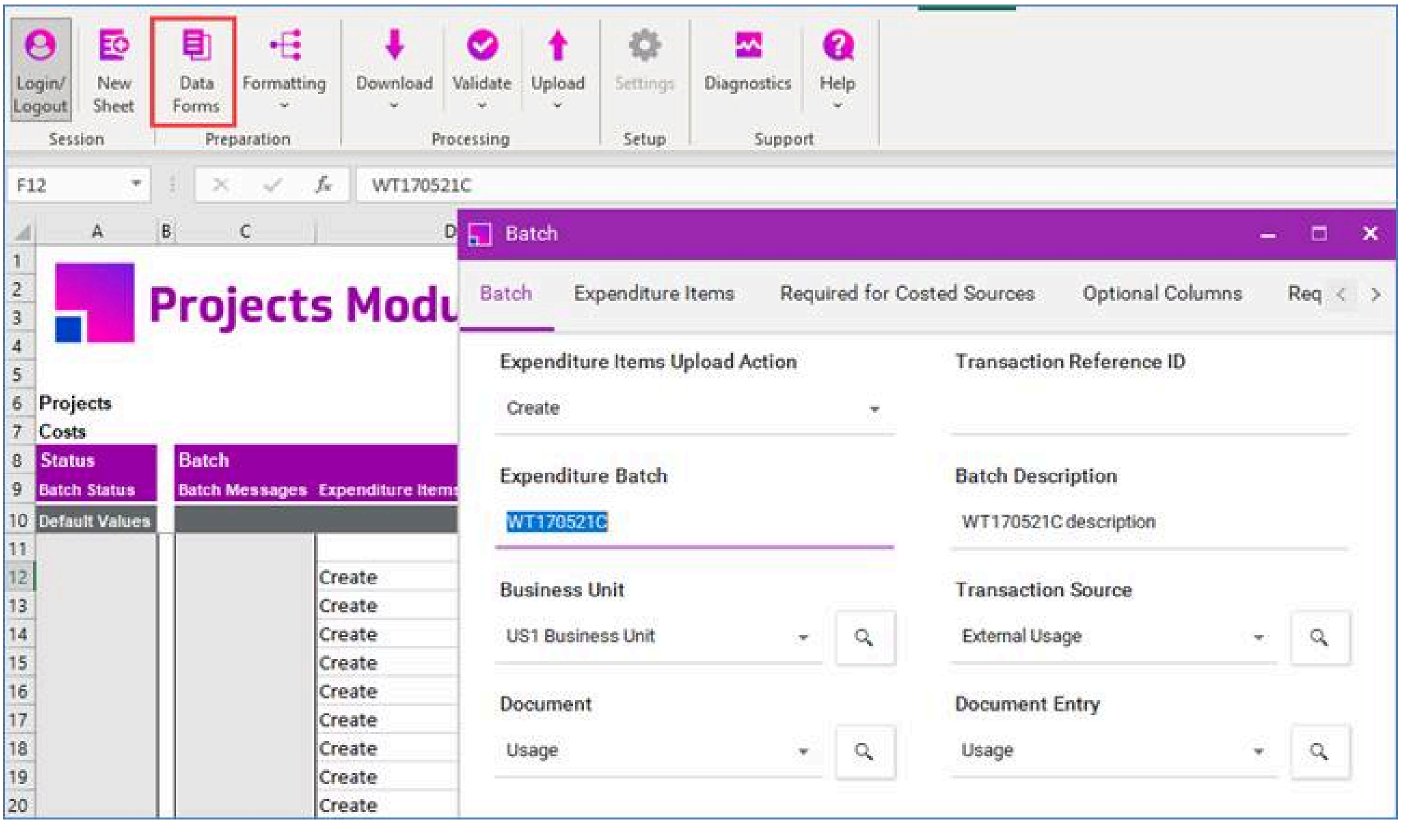
Default Row

The Default Row can be used to enter values specified in the row to default down the sheet during validation. More information about the Default Row can be found here.



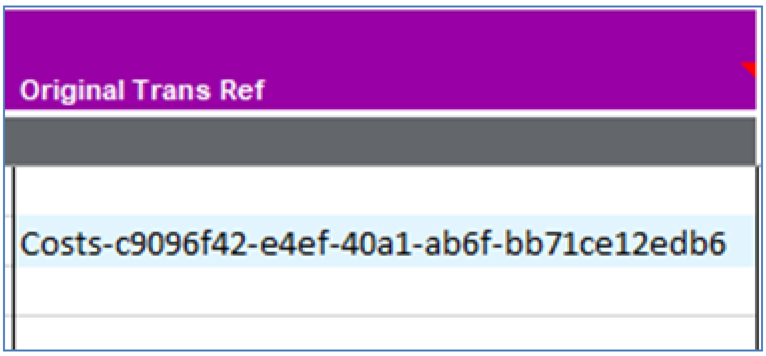
Data Entry Form

The Data Entry Form can be used to enter details on the sheet. For every sub-section on the sheet, there is a separate tab on the Data Entry Form to enter the relevant data. More information about the Data Entry form can be found [here].



Original Transaction Reference

A unique Original Transaction Reference number will be automatically generated by the Integrator for each unprocessed project cost on the sheet if the field is left blank. You can enter your own Original Transaction Reference if you prefer.



Integrator Transaction Group Size

The Costs Integrator can upload 100 transactions at a time. That means, if there are five hundred rows of transactions on the sheet, the first 100 will be grouped together and uploaded and the second 100 and then the third 100 and so on. If there are errors in one or more of a 100 record group, the entire group will be rejected. The Integrator will continue to process the next 100 and so on.

Additional Information DFF

If the Additional Information Descriptive Flexfields exist for the unprocessed project costs, the Costs Integrator can be used to create and download these values. All the Integrators available under the Projects Module are able to dynamically create DFF columns during the new sheet creation based on the DFF configuration in Oracle Cloud. More information about the Descriptive Flexfields can be found here.

Upload to Create Pending Unprocessed Transactions

Once all the transaction details are on the sheet, they can be uploaded to the interface table. More information on how to upload records to Oracle can be found here. Clicking on the 'Upload' will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the transactions pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of the transactions will be returned with the status of 'Pending' on the sheet along with the Transaction Reference ID.

Transaction Reference ID is a required value when you want to 'Delete' the Unprocessed Project Costs. This is covered in the section Delete Unprocessed Project Costs.
The following screenshot shows a list of Unprocessed Project Costs in the interface table:

Projects
Costs

Status	Batch						
Batch Status	Batch Messages	Expenditure Items Upload Action	Transaction Reference ID	Expenditure Batch	Batch Description	Business Unit	Transactio
Default Values		Create		WT1606-1	WT1606-1 test batch	US1 Business U	External Mi
Pending		Create	300000226204284	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204285	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204286	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204287	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204288	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204289	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204290	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204291	WT1606-1	WT1606-1 test ba	US1 Business	External I
Pending		Create	300000226204292	WT1606-1	WT1606-1 test ba	US1 Business	External I

Figure 1 shows the valid transactions with a returned status of 'Pending' and Transaction Reference ID column populated.

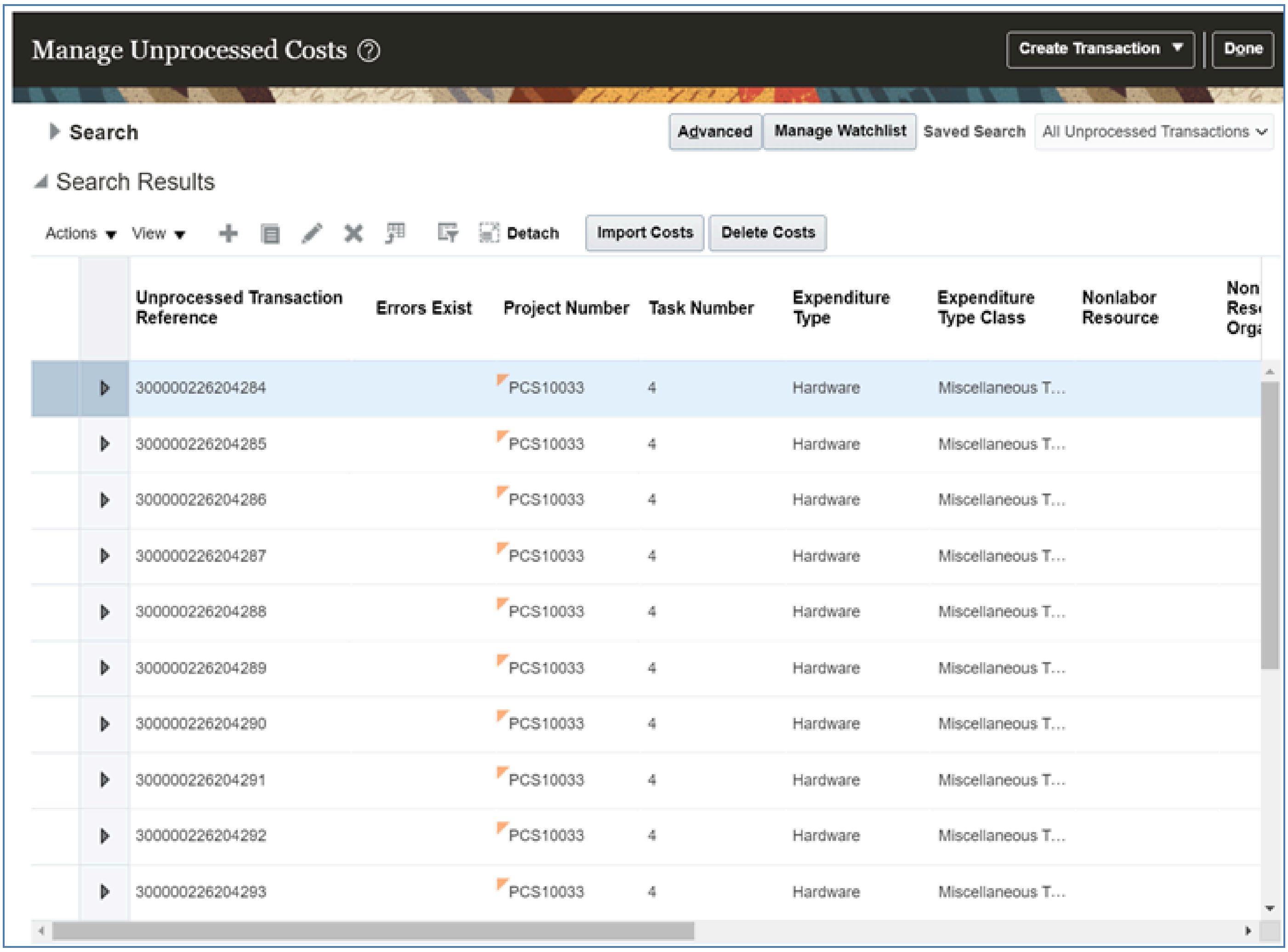


Figure 2 shows the Unprocessed Project Costs from the Costs Integrator uploaded to Oracle Cloud under Manage Unprocessed Costs.

Once the Unprocessed Project Costs are uploaded, you can Submit the ‘Import Costs’ process using the Costs Integrator. See section Import Unprocessed Project Costs for more information on how to do this.

Sections:
Create Limitations
Download Unprocessed Project Costs
Download Processed Project Costs
Delete Unprocessed Project Costs
Import Unprocessed Project Costs
Refresh Import Results

Create Limitations

The Raw Cost Amounts

Oracle REST web service will not generate an error message if a Raw Cost amount is provided for Transaction Sources that do not require it. A Service Request has been logged with Oracle to address this issue. During the Import process, Raw Costs that are provided for Transactions that do not require it will be ignored and will not be imported as part of the Project Costs.

The Non-labor Resource and Non-labor Resource Organizations

Oracle REST web service will not generate an error message if Non-labor Resource and Non-labor Resource Organizations are provided for Transaction Sources that do not require them. A Service Request has been logged with Oracle to address this issue. During the Import process, Non-labor Resource and Non-labor Resource Organizations that are provided for Transactions that do not require them will be ignored and will not be imported as part of the Project Costs.

Functionality to Monitor Submitted Requests

The Monitor Requests is used to monitor the status of the Import Costs process and to review any errors from running the Import Costs process. The Cost Integrator currently does not support the functionality to Monitor Submitted Requests from the spreadsheet. This feature is in the process of development and will become available soon.

Descriptive Flexfields

Descriptive Flexfields can be uploaded in the Integrator with some limitations. Refer to the Descriptive Flexfields documentation for more information on these limitations.

Transaction Sources with Document that requires Expenditure Batch Approval

You cannot use the Costs integrator to create unprocessed costs for Transaction Sources with Document that requires expenditure batch approval. You can create costs for this document using file-based data import or ADFdi tools provided by Oracle.

Sections:

Download Unprocessed Project Costs

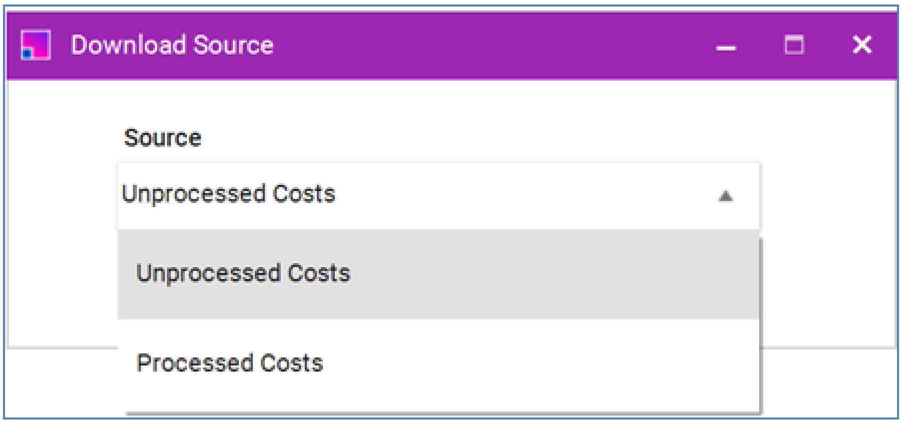
The Costs Integrator has Multiple Download sources available, where information from different areas of Oracle can be downloaded into the same Integrator. See Download Sources for more information.

The two Download Sources available in the Costs Integrator are:

- Unprocessed Costs: download unprocessed transactions that have not been imported
- Processed Costs: download project costs (processed transactions)

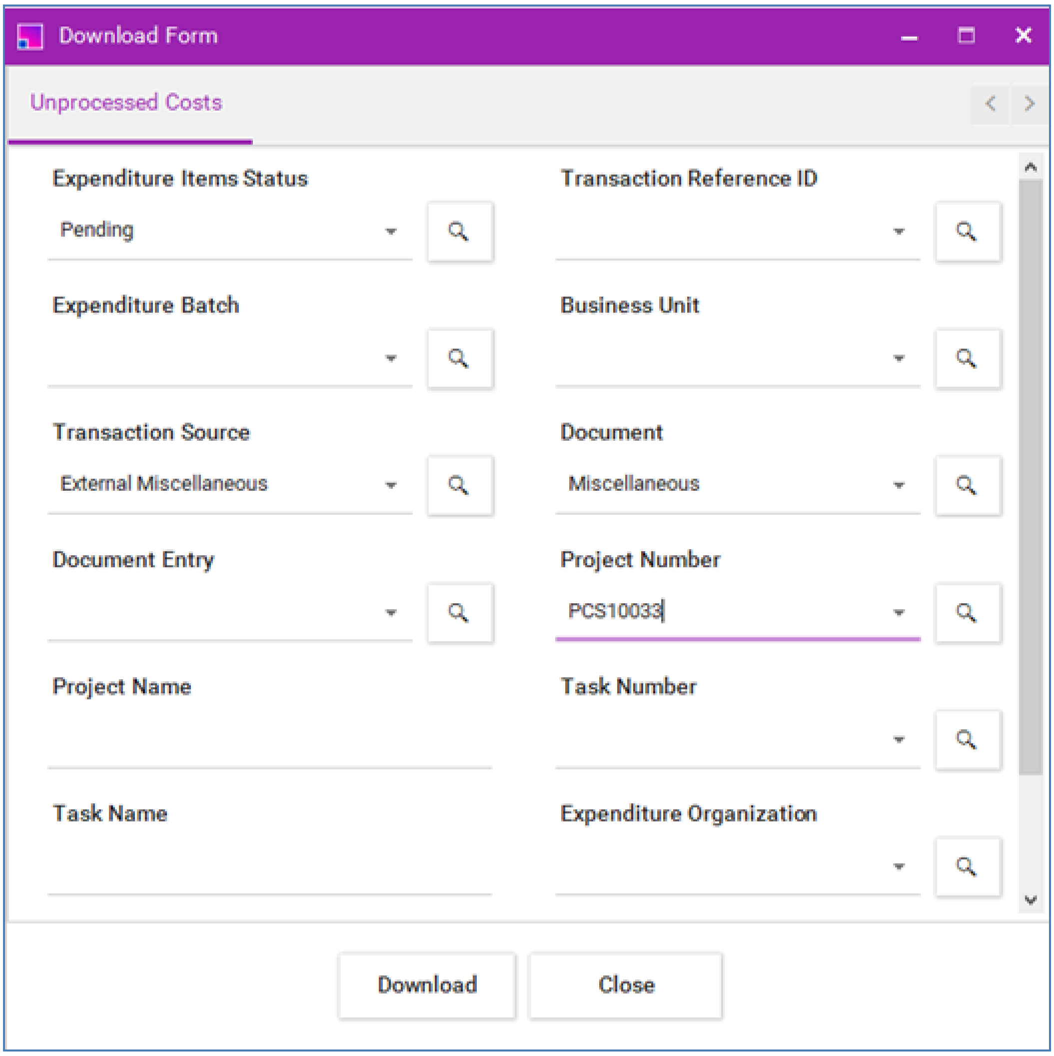
There are two ways to download the unprocessed project costs from Oracle using the Costs Integrator. More information about downloading can be found here.

When you select either the ‘Download via Form’ or ‘Download via Sheet’ option, you will be prompted with a new window where you can select where you want to download the transactions from. Select the Download Source ‘Unprocessed Costs’ to download unprocessed transactions to the sheet.



Download via Form

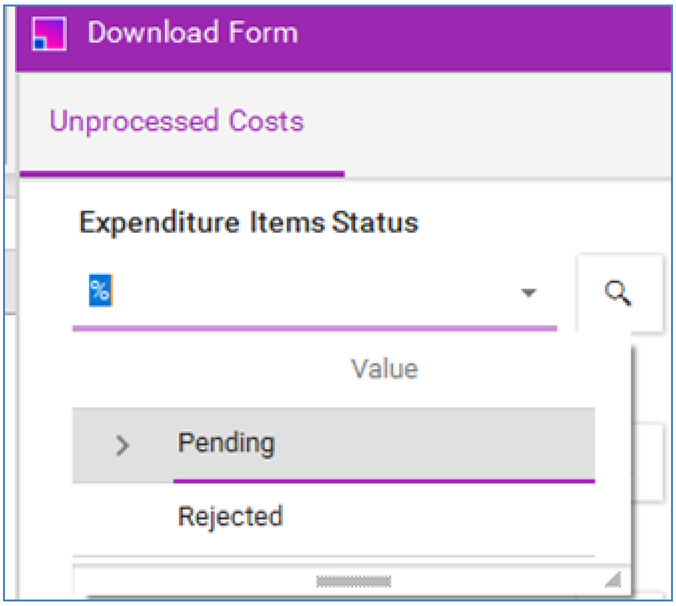
The Download Form will be displayed when the Download via Form is selected. Here, you can enter values into the available fields to set the download criteria. Click the 'Download' button to download data onto the sheet.



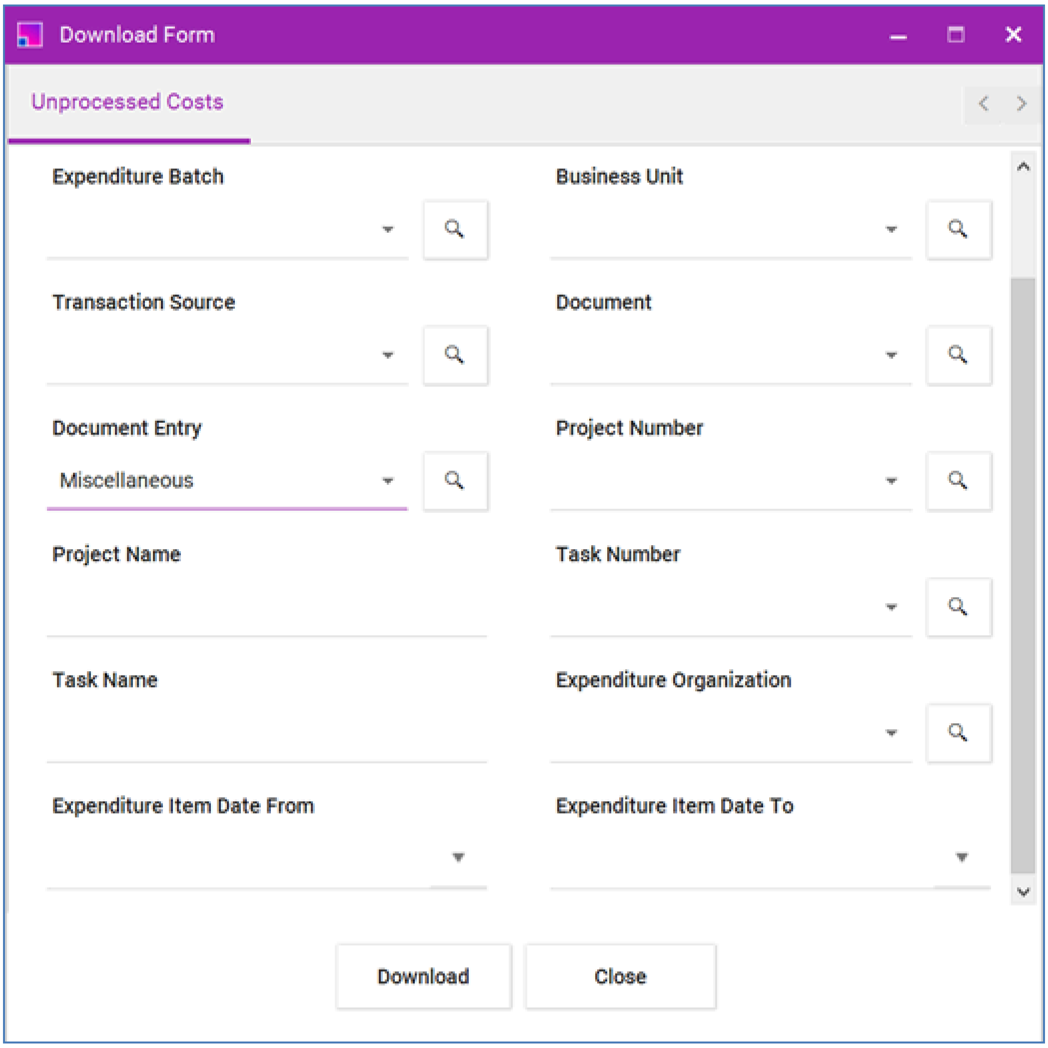
There are two statuses that exist as unprocessed project costs:

1. Pending – These are unprocessed project costs that have not been imported.
2. Rejected – These are unprocessed project costs that have been rejected by the import process.

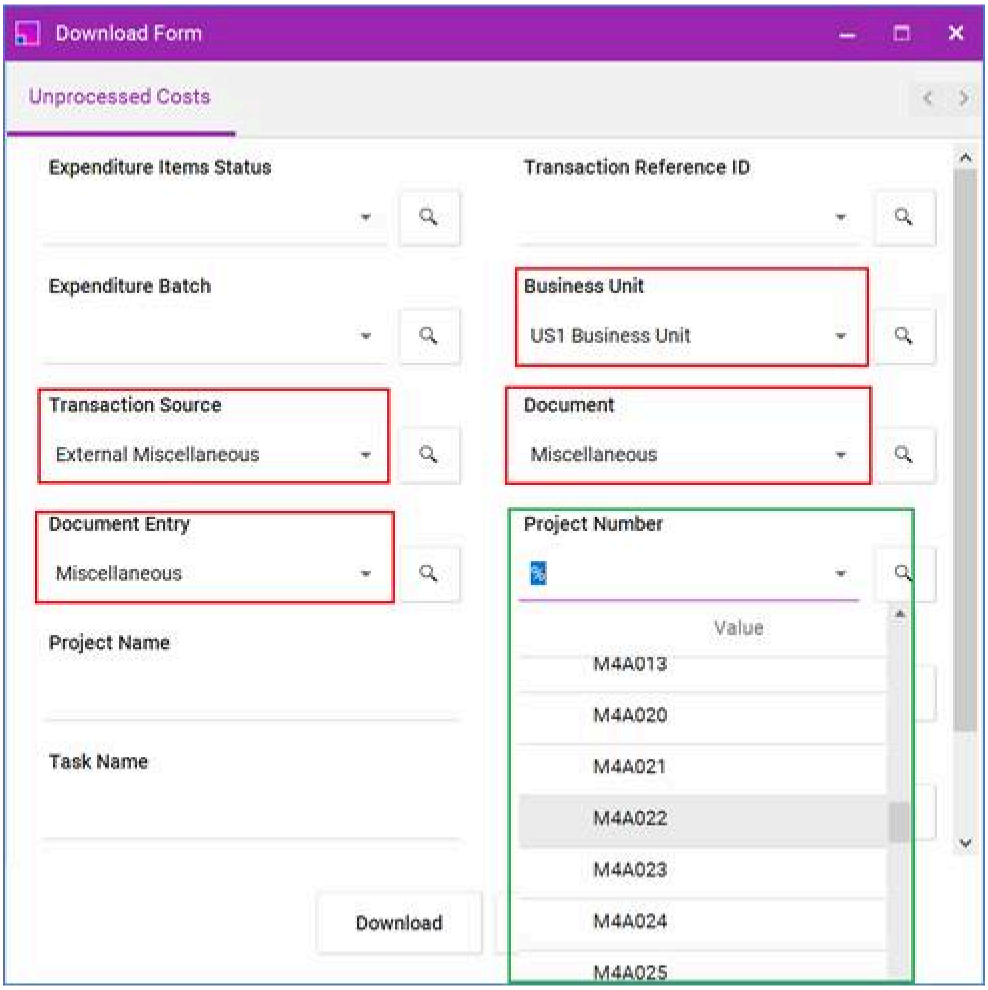
You can use the Download Form to download the unprocessed project costs that are in either of these two statuses:



Data can be entered directly on the download form to be searched. The example below will return all the unprocessed project costs that have a Document Entry value of 'Miscellaneous':

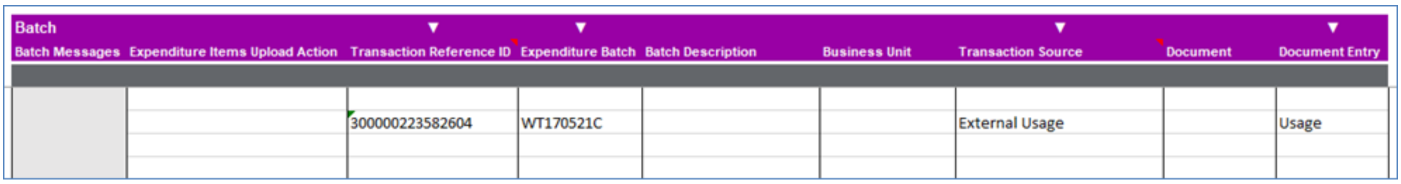


More4apps recommend entering more values on the download form to narrow down the search criteria. Some of the fields on the Download Form have dependent values. A dependent field appears based on the values entered in other fields on the form. The example below shows the List of Values for the Project Number field that match the criteria entered in the previous fields. This is useful when you're interested in downloading unprocessed project costs for just one project. The Project Number field can be left blank to return all the projects that match the criteria entered in the other fields:



Download via Sheet

When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the Download via Sheet option. Also note that query conditions on the sheet and in the Download Form are treated as AND clauses rather than OR in the download query.



Sections:

[Create Unprocessed Project Costs]

[Create Limitations]

[Download Processed Project Costs]

[Delete Unprocessed Project Costs]
[Import Unprocessed Project Costs]
[Refresh Import Results]

Download Processed Project Costs

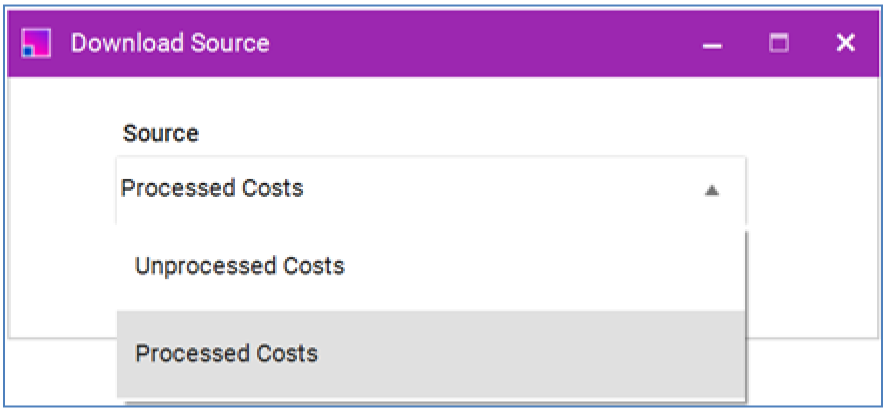
The Costs Integrator has multiple Download sources available, where information from different areas of Oracle can be downloaded into the same Integrator. See Download Sources for more information.

The two Download Sources available in the Costs Integrator are:

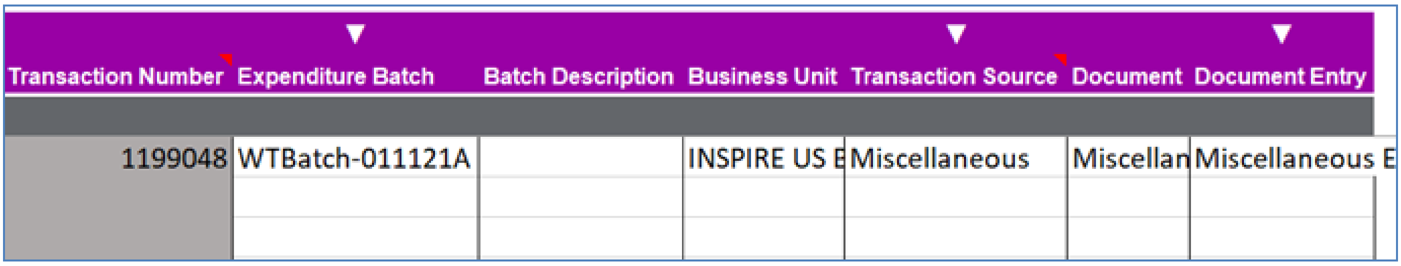
- Unprocessed Costs: Download unprocessed transactions that have not been imported.
- Processed Costs: Download project costs (processed transactions).

There are two ways to download the processed project costs from Oracle using the Costs Integrator. More information about downloading can be found here.

When you select either the 'Download via Form' or 'Download via Sheet' option, you will be prompted with a new window where you can select the download source to download the transactions from. Select the Download Source 'Processed Costs' to download processed transactions to the sheet.



Transaction Number can be used as a search criteria in both 'Download via Form' or 'Download via Sheet' options.

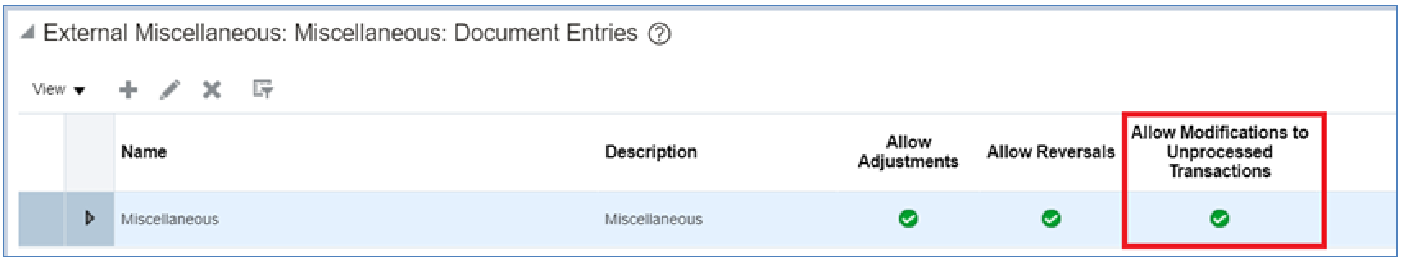


Sections:
Create Unprocessed Project Costs
Create Limitations
Download Unprocessed Project Costs
Delete Unprocessed Project Costs
Import Unprocessed Project Costs

[Refresh Import Results](#)

Delete Unprocessed Project Costs

To allow the Delete functionality to work, the Document Entry for the Unprocessed Project Costs must have the flag ‘Allow Modifications to Unprocessed Transactions’ enabled (green tick).



The Delete functionality in the Costs Integrator will only delete Unprocessed Project Costs from the Oracle interface table. These include Pending transactions that are waiting to be imported and transactions that have been rejected by the Oracle ‘Import Costs’ process. They are costs that have not been successfully processed and have not been imported to Oracle as Project Costs.

To delete Unprocessed Project Costs using the Costs Integrator, download the transactions to be deleted using the methods described in the [Download Unprocessed Project Costs](#) section. Once the Unprocessed Project Costs are downloaded to the sheet, the ‘Header Upload Action’ column must contain ‘Delete’. The Transaction Reference ID column must have a value to carry out the Delete functionality in the Integrator.

Batch Messages	Expenditure Items Upload Action	Transaction Reference ID	Expenditure Batch	Batch Description	Business Unit	Transaction Source	Docum
	Delete	300000127840347	WT123		INSPIRE US BU	Miscellaneous	Misce
	Delete	300000127840348	WT123		INSPIRE US BU	Miscellaneous	Misce
	Delete	300000127840349	WT123		INSPIRE US BU	Miscellaneous	Misce
	Delete	300000127840350	WT123		INSPIRE US BU	Miscellaneous	Misce
	Delete	300000127840351	WT123		INSPIRE US BU	Miscellaneous	Misce
	Delete	300000127840352	WT123		INSPIRE US BU	Miscellaneous	Misce

Once the delete is ready to be processed, click on the Upload to upload the transactions that are to be deleted. See the [Uploading](#) section on how to upload the records to Oracle Cloud.

If the Delete is successful, the Batch Status will return as ‘Deleted’. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the ‘Batch Status’ of the ‘Deleted’ status.

Projects
Costs

Status		Batch							
Batch Status		Batch Messages	Expenditure Items Upload Action	Transaction Reference ID	Expenditure Batch	Batch Description	Business Unit	Transaction Source	Docum
Default Values									
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce
Deleted			Delete		WT123		INSPIRE US BU	Miscellaneous	Misce

Default Row

You can utilise the Default Row to 'Delete' all the unprocessed project costs on the sheet by entering the value 'Delete' in row 10 of the Upload Action column and selecting the Upload All option. More information about the Default Row can be found here.

Projects
Costs

Status		Batch							
Batch Status		Batch Messages	Expenditure Items Upload Action	Transaction Reference ID	Batch Description	Business Unit	Transaction Source	Document	Document Entr
Default Values			Delete						
				300000223574380	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574381	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574382	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574383	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574384	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574385	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574386	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574387	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574388	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574389	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574390	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574391	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574392	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574393	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574394	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574395	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage
				300000223574396	WT2304-ADFDI	US1 Business	External Usage	Usage	Usage

If the unprocessed transactions are successfully deleted, the Integrator will return the status as 'Accepted'.

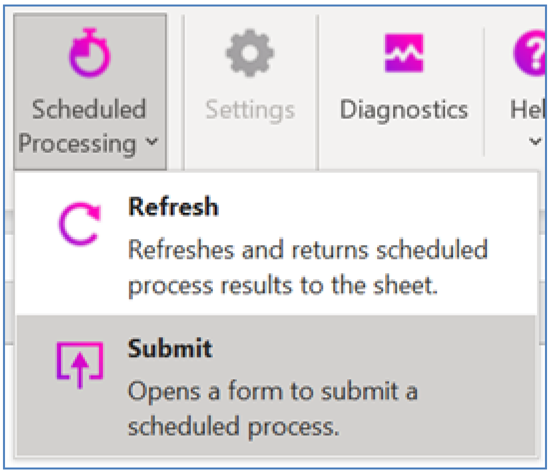
Sections:

Create Unprocessed Project Costs
Create Limitations
Download Unprocessed Project Costs
Download Processed Project Costs
Import Unprocessed Project Costs
Refresh Import Results

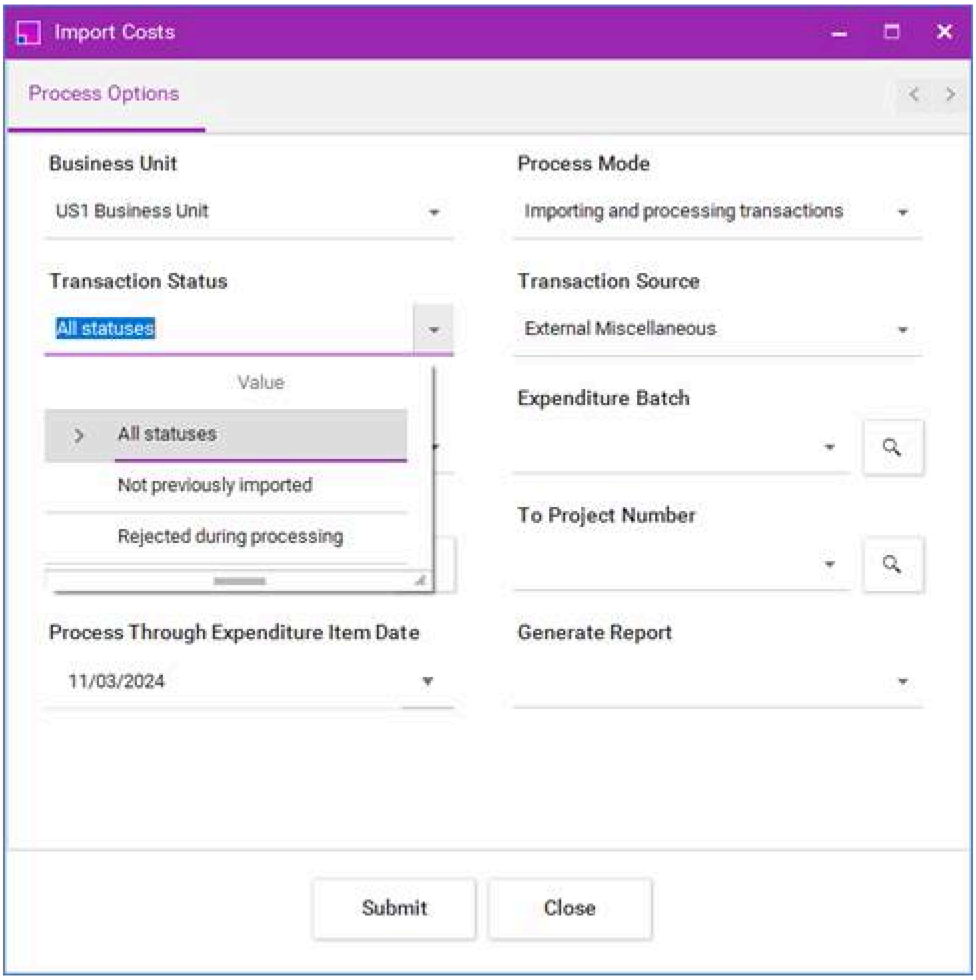
Import Unprocessed Project Costs

The Import Costs process imports transactions from the Costs Integrator, validates the transactions, and processes the transactions to create expenditure items and cost distributions. Once the Unprocessed Project Costs are successfully loaded to Oracle with a 'Pending' status, you can Submit the 'Import Costs' process from the Costs Integrator for the unprocessed costs to become processed costs. To use the Submit functionality in the Costs Integrator, follow the instructions below:

1. Click on the icon 'Scheduled Processing' and select 'Submit'.



The 'Import Costs' form to Import Costs will open:



Parameters:

Business Unit (required)
Business unit that owns the project transaction.

Process Mode (required)
Mode for processing imported transactions or adjustments.

Transaction Status (required)
Status of transactions identified for processing: We recommend selecting 'All statuses'

Transaction Source (required)
Name of the transaction source application.

Document
Document associated with the transaction.

Expenditure Batch
Expenditure batch for which transactions are processed.

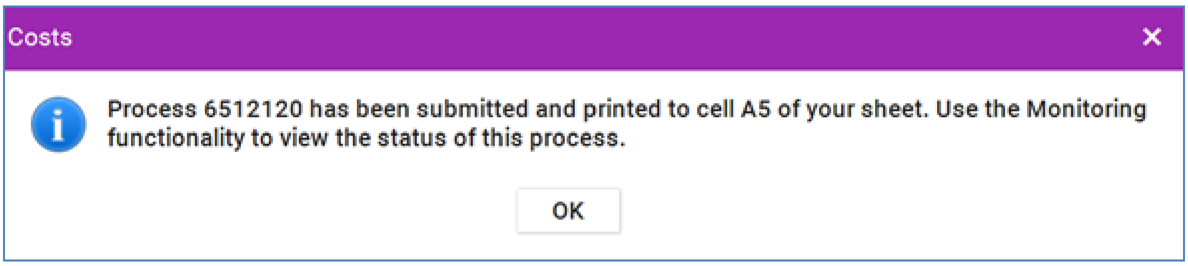
From Project Number
Initial project number in the range of projects provided for importing and processing cost transactions.

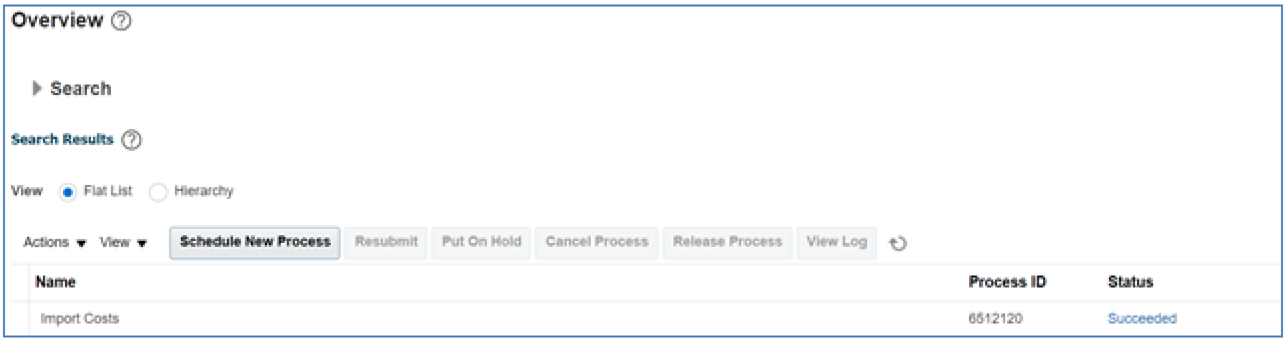
To Project Number
Final project number in the range of projects provided for importing and processing cost transactions.

Process Through Expenditure Item Date (required)
Expenditure item date of transactions through which transactions are processed and imported.

Generate Report
Review the output report in Summary, Detail. Leave blank to opt out of generating a report.

2. Click 'Submit'. Once the Import process has been submitted, a popup message will be displayed. Despite the message asking you to use the 'Monitoring functionality', this functionality has not been implemented in the Costs integrator yet. It is a feature that is on the plan to be released soon. For now, to monitor the process, log into Oracle Cloud to see the outcome of the request.





Once the request has successfully completed, use the Refresh Import Results functionality to see the import results for the transactions on the sheet with a status of 'Pending'.

Sections:

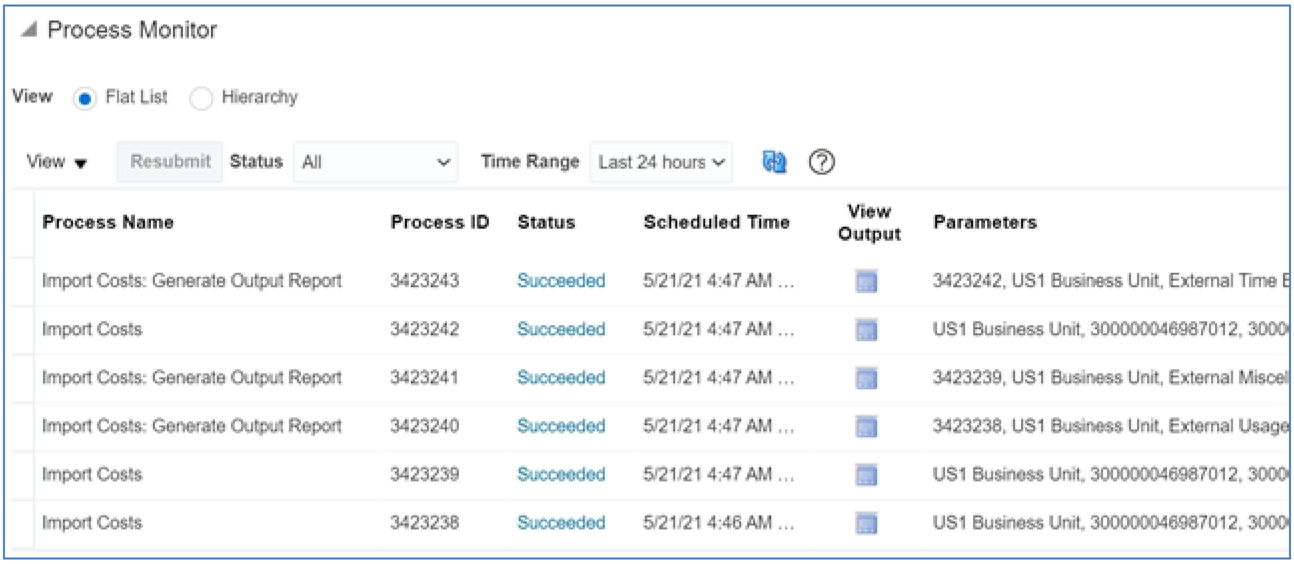
Create Unprocessed Project Costs
Create Limitations
Download Unprocessed Project Costs
Download Processed Project Costs
Delete Unprocessed Project Costs
Refresh Import Results

Refresh Import Results

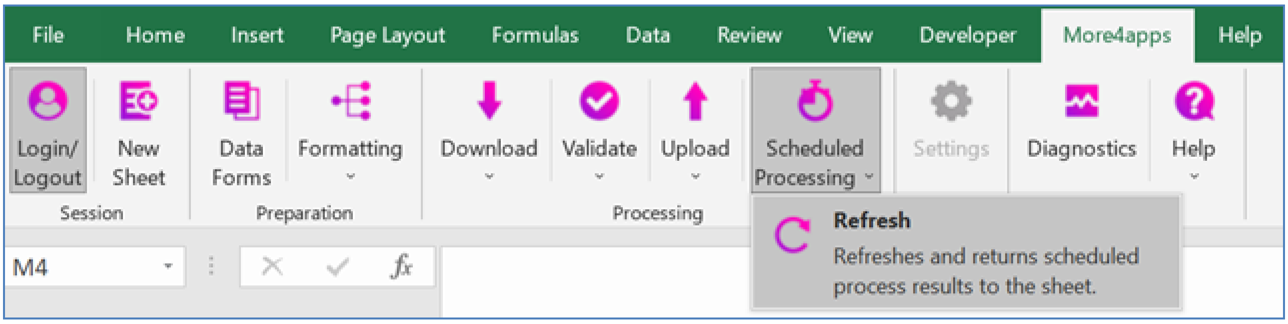
After running the Import Unprocessed Project Costs, the Refresh functionality can be used to update the status of the Pending Unprocessed Transactions on the sheet. To use the Refresh functionality in the Costs Integrator, follow the instructions below:

1. Create the unprocessed project costs using the Costs Integrator as per the instructions in the section Create Unprocessed Project Costs. The Unprocessed Costs will be in the Pending status until the Import is submitted.

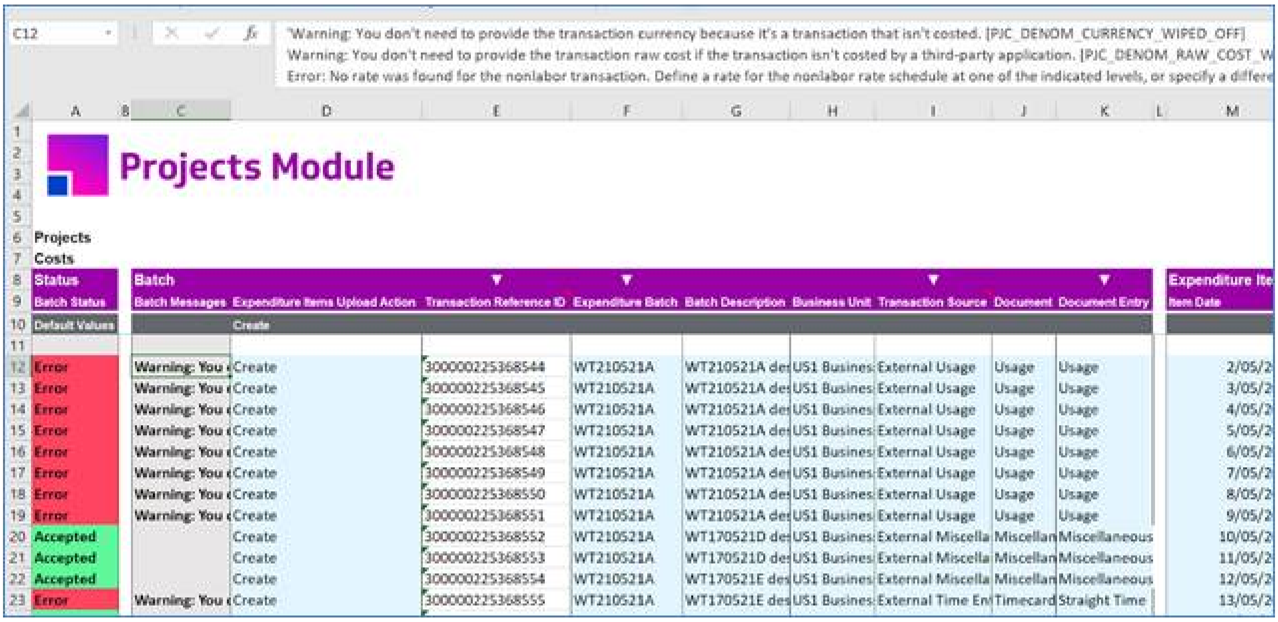
2. Submit the Import process by logging into the Oracle Cloud environment:



3. Click on the Refresh icon from the ribbon to see the import results of the Expenditure Items on the sheet. The Batch Status column **must** show ‘Pending’ in order for the Refresh to work. It is imperative that the Transaction Reference ID column has values for the Integrator to reference back to Oracle to retrieve the results of the Oracle Import Costs process.



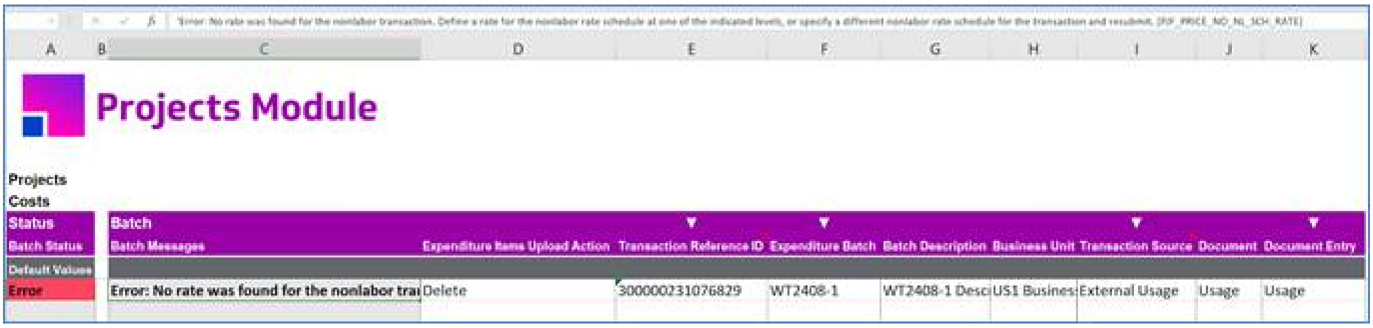
4. Once the Refresh has finished running, the Integrator will change the status of the transactions from ‘Pending’ to either ‘Error’ or ‘Accepted’. The transactions that have the status of ‘Error’ have been rejected by the Import process and the error message will display the errors that need to be corrected. Transactions that have the status of ‘Accepted’ have been successfully imported by the Import process.



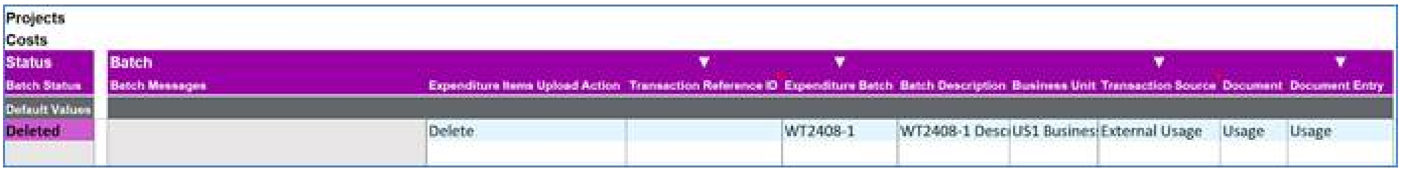
Correcting the Errors and Re-uploading

Transactions that have been rejected by the Import process have a status of ‘Error’. These transactions can be deleted using the Integrator and then corrected to be uploaded again for Import.

1. Change the Upload Action to ‘Delete’ and upload. Make sure that the Transaction Reference ID is populated.



2. If the Delete is successful, the Batch Status will return as ‘Deleted’ and the values from the Transaction Reference ID column should be deleted as well.



3. Correct the values that caused the Import process to reject the transaction and re-upload. Make sure to change the Upload Action to ‘Create’, you do not need to clear the Status.

4. The transaction will be uploaded with a ‘Pending’ status ready to be Imported again. Repeat the process of the provided Refresh Import Results functionality to see the result of the Import.

Sections:
Create Unprocessed Project Costs
Create Limitations
Download Unprocessed Project Costs
Download Processed Project Costs
Delete Unprocessed Project Costs
Import Unprocessed Project Costs

Cost Adjustments Integrator

Cost Adjustments Integrator can be used for Adjustments of existing Project Costs. The following Adjustment Types are supported in the tool:

- Reverse
- Transfer
- Set to capitalizable
- Set to noncapitalizable
- Set to billable
- Set to nonbillable
- Hold Invoice Once
- Hold Invoice Until Released
- Release Invoice Hold
- Hold Revenue Until Released
- Release Revenue Hold

Ensure you are familiar with the More4apps Projects module prerequisites before attempting to use this Integrator.

Sections:

Download Project Costs

There are two ways to download the project costs from Oracle using the Cost Adjustments Integrator.

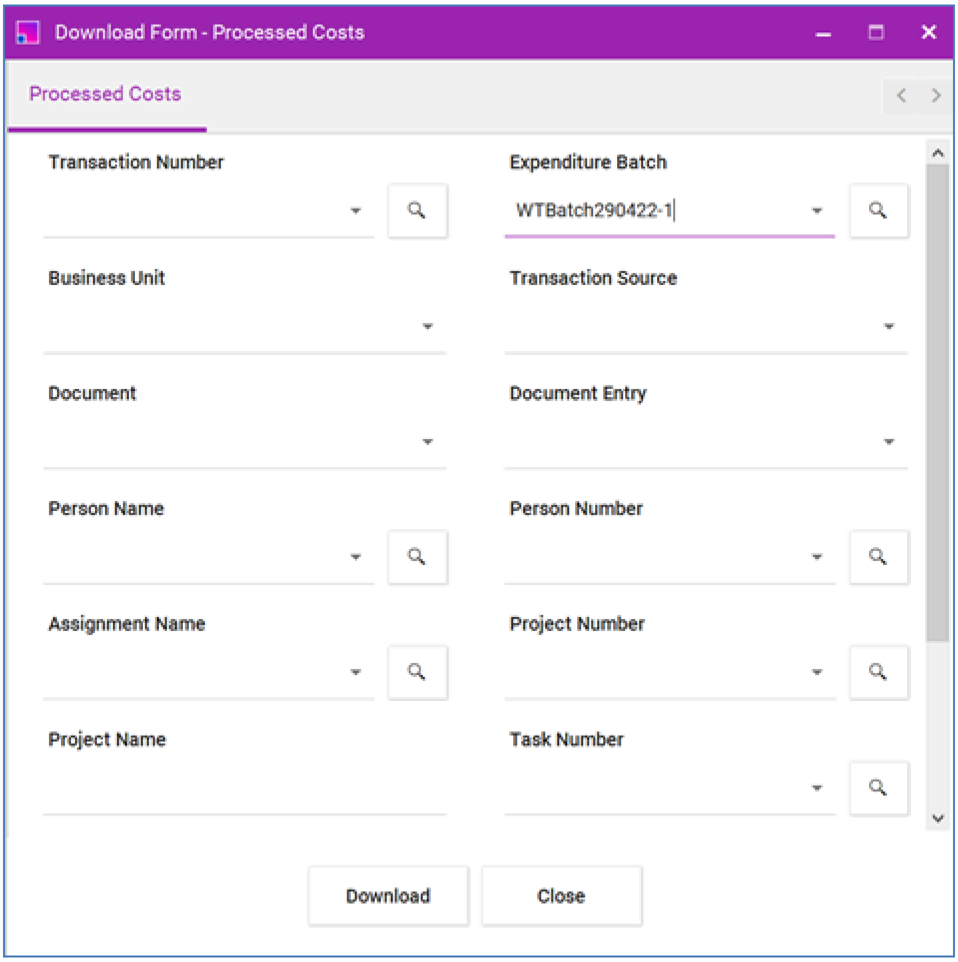
- Download via Form
- Download via Sheet

More information about downloading can be found here.

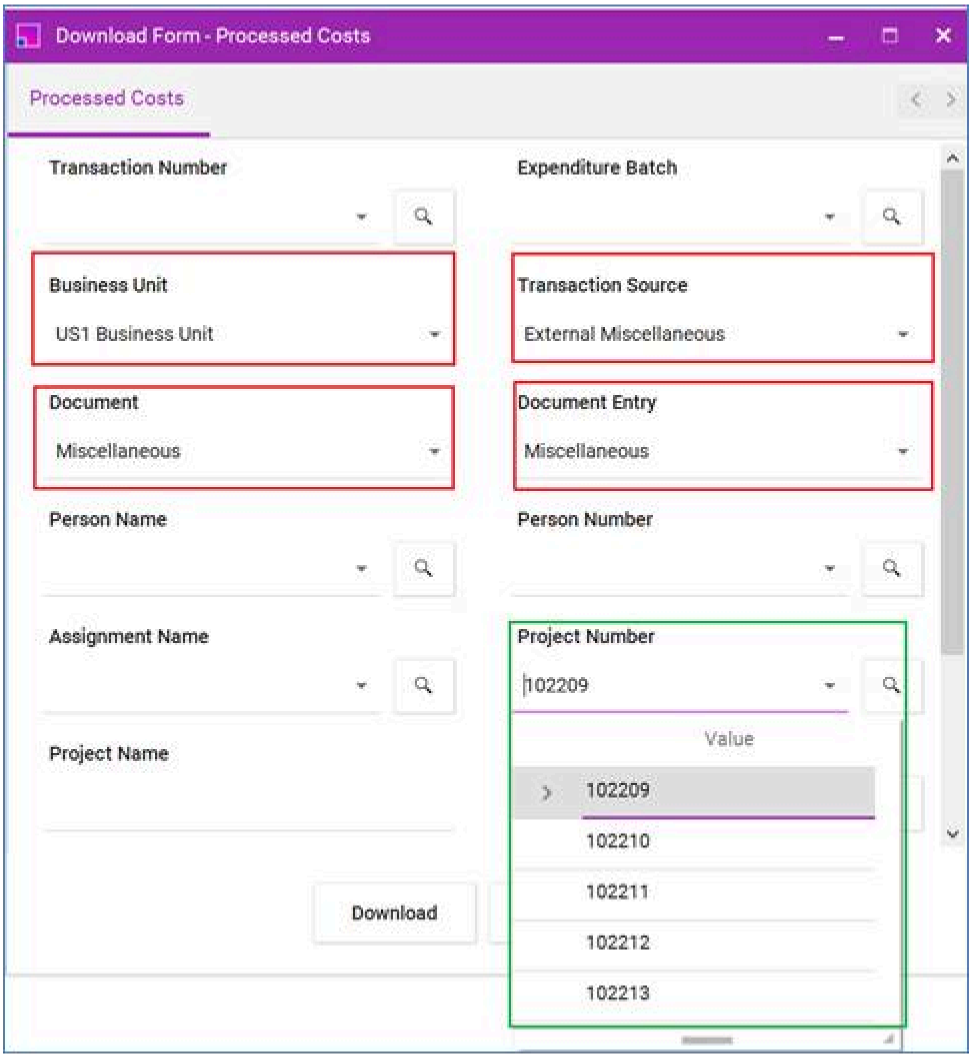
Download via Form

The Download Form will be displayed when the 'Download via Form' is selected. Here, you can enter values into the available fields to set the download criteria. Click the 'Download' button to download data onto the sheet.

Data can be entered directly on the download form to be searched. The example below will return all the project costs that belong to the Expenditure Batch 'WTBatch290422-1':

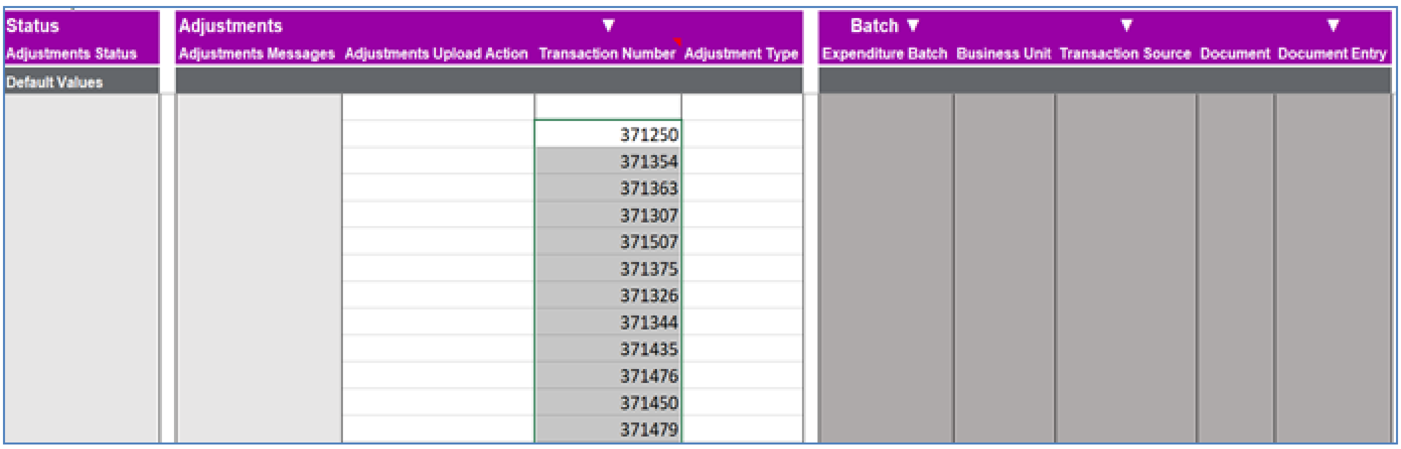


More4apps recommend entering more values on the download form to narrow down the search criteria. Some of the fields on the download form have dependent values. A dependent field appears based on the values entered in other fields on the form. The example below shows the List of Values for the Project Number field that match the criteria entered in the previous fields. This is useful when you're interested in downloading project costs for just one project. The Project Number field can be left blank to return all the projects that match the criteria entered in the other fields:



Download via Sheet

When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the 'Download via Sheet' option. Please also note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.



Sections:

[Create Cost Adjustments]()

Create Cost Adjustments

This section describes the Adjustment Types supported in the Cost Adjustments Integrator.

Reverse

To reverse existing Project Costs, please follow the instructions below:

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be reversed have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Reverse’ on the same line as the Project Cost you want to reverse. Transaction Number must exist for the cost in order for the reversal to work. You may want to delete the read-only columns that you do not need from the sheet.

Adjustments				Batch		Required for Costed Sources				
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Quantity	Raw Cost	Raw Cost Rate	Burdened Cost	Provider Ledger Raw Cost	Provider Ledger Burdened Cost
	Create									
		374234	Reverse	WTBatch110522-1	1	100	100	100	100	100
		374235	Reverse	WTBatch110522-1	2	200	100	200	200	200
		374236	Reverse	WTBatch110522-1	3	300	100	300	300	300
		374237	Reverse	WTBatch110522-1	4	400	100	400	400	400
		374238		WTBatch110522-1	5	500	100	500	500	500
		374244		WTBatch110522-1	11	1100	100	1100	1100	1100
		374240		WTBatch110522-1	7	700	100	700	700	700
		374241		WTBatch110522-1	8	800	100	800	800	800
		374242		WTBatch110522-1	9	900	100	900	900	900
		374243		WTBatch110522-1	10	1000	100	1000	1000	1000
		374239		WTBatch110522-1	6	600	100	600	600	600

3. Once the reversals have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the ‘Upload’ will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the reversals pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of reversals will be returned with the status of ‘Accepted’ in the Adjustments Status column.

Projects Cost Adjustments
Status
Adjustments Status
Default Values
Accepted
Accepted
Accepted
Accepted

4. You can download the batch again to review the reversing transactions. In the example below, a reversal was created for the four existing project costs in a batch. When the batch is downloaded again on the sheet, four new reversing transactions are downloaded as part of the same batch.

Status	Adjustments				Batch		Required for Costed Sources				
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Quantity	Raw Cost	Raw Cost Rate	Burdened Cost	Provider Ledger Raw Cost	Provider Ledger Burdened Cost
Default Values		Create									
Accepted		Create	374234	Reverse	WTBatch110522-1	1	100	100	100	100	100
Accepted		Create	374235	Reverse	WTBatch110522-1	2	200	100	200	200	200
Accepted		Create	374236	Reverse	WTBatch110522-1	3	300	100	300	300	300
Accepted		Create	374237	Reverse	WTBatch110522-1	4	400	100	400	400	400
			374238		WTBatch110522-1	5	500	100	500	500	500
			374244		WTBatch110522-1	11	1100	100	1100	1100	1100
			374240		WTBatch110522-1	7	700	100	700	700	700
			374241		WTBatch110522-1	8	800	100	800	800	800
			374242		WTBatch110522-1	9	900	100	900	900	900
			374243		WTBatch110522-1	10	1000	100	1000	1000	1000
			374239		WTBatch110522-1	6	600	100	600	600	600
			372229		WTBatch110522-1	-1	-100	100	-100	-100	-100
			374245		WTBatch110522-1	-2	-200	100	-200	-200	-200
			374246		WTBatch110522-1	-3	-300	100	-300	-300	-300
			374247		WTBatch110522-1	-4	-400	100	-400	-400	-400
			374234		WTBatch110522-1	1	100	100	100	100	100
			374235		WTBatch110522-1	2	200	100	200	200	200
			374236		WTBatch110522-1	3	300	100	300	300	300
			374237		WTBatch110522-1	4	400	100	400	400	400
			374238		WTBatch110522-1	5	500	100	500	500	500
			374244		WTBatch110522-1	11	1100	100	1100	1100	1100
			374240		WTBatch110522-1	7	700	100	700	700	700
			374241		WTBatch110522-1	8	800	100	800	800	800
			374242		WTBatch110522-1	9	900	100	900	900	900
			374243		WTBatch110522-1	10	1000	100	1000	1000	1000
			374239		WTBatch110522-1	6	600	100	600	600	600

Set to Capitalizable

To carry out the Adjustment Type 'Set to capitalizable' for existing Project Costs, please follow the instructions below.

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be reversed have been identified, use the Adjustments section to enter Adjustments Upload Action of 'Create' or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of 'Set to capitalizable' on the same line as the Project Cost you want to reverse. Transaction Number must exist for the cost in order for the reversal to work. You may want to delete the read-only columns that you do not need from the sheet.

Adjustments				Batch				Optional Columns	
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
	Create								
		371379	Set to capitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	No
		371447	Set to capitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	No
		371459	Set to capitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	No
		371502	Set to capitalizable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	No

3. Once the Adjustments have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the 'Upload' will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the Adjustments pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of Adjustments will be returned with the status of 'Accepted' in the Adjustments Status column.

Projects
Cost Adjustments
Status
Adjustments Status
Default Values
Accepted
Accepted
Accepted
Accepted

4. You can download the transactions to review the adjustments done. In the example below, a ‘Set to capitalizable’ Adjustment Type was used to change the Capitalizable flag on existing project costs. When the transactions are downloaded again on the sheet, they show that the Capitalizable flag has been adjusted successfully.

Status	Adjustments				Batch				Optional Columns	
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
Default Values		Create								
Accepted		Create	371379	Set to capitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	No
Accepted		Create	371447	Set to capitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	No
Accepted		Create	371459	Set to capitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	No
Accepted		Create	371502	Set to capitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	Yes	No
			371379		WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
			371447		WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
			371459		WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
			371502		WTBatch290422-1	102209	WTPERF25C	2.2	Yes	Yes

Set to Noncapitalizable

To carry out the Adjustment Type ‘Set to noncapitalizable’ for existing Project Costs, please follow the instructions below.

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be reversed have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Set to noncapitalizable’ on the same line as the Project Cost you want to reverse. Transaction Number must exist for the cost in order for the reversal to work. You may want to delete the read-only columns that you do not need from the sheet.

Adjustments				Batch				Optional Columns	
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
	Create								
		371344	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
		371435	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
		371476	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes
		371450	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF25C	2.2	No	Yes

3. Once the Adjustments have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the ‘Upload’ will trigger the Integrator

validation as well as the Oracle REST Web Service validation. Once the Adjustments pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of Adjustments will be returned with the status of ‘Accepted’ in the Adjustments Status column.

Projects Cost Adjustments
Status
Adjustments Status
Default Values
Accepted
Accepted
Accepted
Accepted

4. You can download the transactions to review the adjustments done. In the example below, a ‘Set to noncapitalizable’ Adjustment Type was used to change the Capitalizable flag on existing project costs. When the transactions are downloaded again on the sheet, they show that the Capitalizable flag has been adjusted successfully.

Status	Adjustments				Batch				Optional Columns	
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
Default Values		Create								
Accepted		Create	371344	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371435	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371476	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371450	Set to noncapitalizable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
			371344		WTBatch290422-1	102209	WTPERF250	2.2	No	No
			371435		WTBatch290422-1	102209	WTPERF250	2.2	No	No
			371476		WTBatch290422-1	102209	WTPERF250	2.2	No	No
			371450		WTBatch290422-1	102209	WTPERF250	2.2	No	No

Set to Billable

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be reversed have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Set to billable’ on the same line as the Project Cost you want to reverse. Transaction Number must exist for the cost in order for the reversal to work. You may want to delete the read-only columns that you do not need from the sheet.

			Batch				Optional Columns	
Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
Create								
	371231	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
	371416	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
	371479	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
	371498	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes

3. Once the Adjustments have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the ‘Upload’ will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the Adjustments pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of Adjustments will be returned with the status of ‘Accepted’ in the Adjustments Status column.

Projects Cost Adjustments
Status
Adjustments Status
Default Values
Accepted
Accepted
Accepted
Accepted

4. You can download the transactions to review the adjustments done. In the example below, a ‘Set to billable’ Adjustment Type was used to change the Billable flag on existing project costs. When the transactions are downloaded again on the sheet, they show that the Capitalizable flag has been adjusted successfully.

Status	Adjustments				Batch				Optional Columns	
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
Default Values		Create								
Accepted		Create	371231	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371416	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371479	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
Accepted		Create	371498	Set to billable	WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
			371231		WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
			371416		WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
			371479		WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
			371498		WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes

Set to Nonbillable

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be reversed have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Set to nonbillable’ on the same line as the Project Cost you want to reverse. Transaction Number must exist for the cost in order for the reversal to work. You may want to delete the read-only columns that you do not need from the sheet.

Adjustments				Batch				Optional Columns	
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
	Create								
		371274	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
		371379	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
		371447	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
		371459	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes

3. Once the Adjustments have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the ‘Upload’ will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the Adjustments pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of Adjustments will be returned with the status of ‘Accepted’ in the Adjustments Status column.

Projects
Cost Adjustments
Status
Adjustments Status
Default Values
Accepted
Accepted
Accepted
Accepted

4. You can download the transactions to review the adjustments done. In the example below, a ‘Set to nonbillable’ Adjustment Type was used to change the Billable flag on existing project costs. When the transactions are downloaded again on the sheet, they show that the Capitalizable flag has been adjusted successfully.

Status	Adjustments				Batch				Optional Columns	
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Expenditure Batch	Project Number	Project Name	Task Number	Billable	Capitalizable
Default Values		Create								
Accepted		Create	371274	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
Accepted		Create	371379	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
Accepted		Create	371447	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
Accepted		Create	371459	Set to nonbillable	WTBatch290422-1	102209	WTPERF250	2.2	Yes	Yes
			371274		WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
			371379		WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
			371447		WTBatch290422-1	102209	WTPERF250	2.2	No	Yes
			371459		WTBatch290422-1	102209	WTPERF250	2.2	No	Yes

Transfer

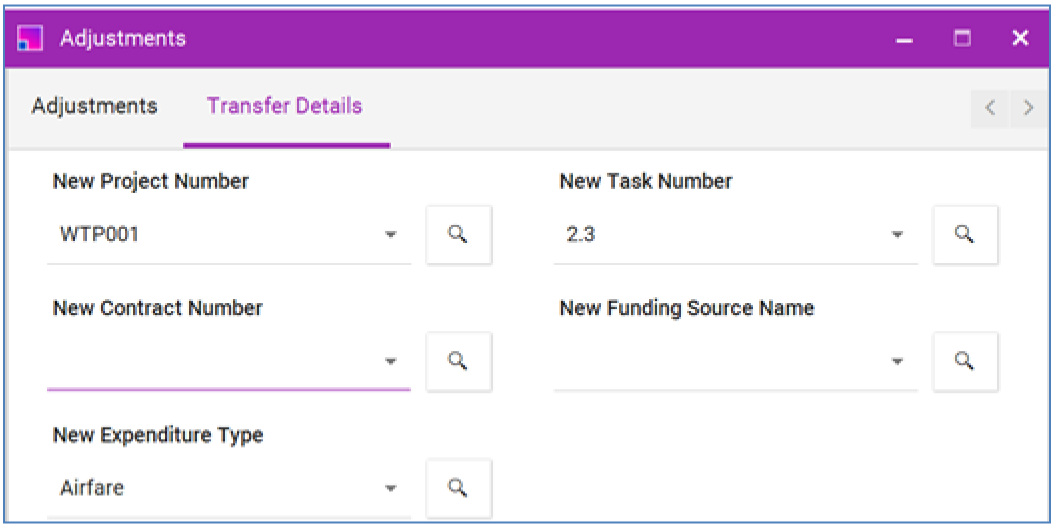
To transfer existing Project Costs, please follow the instructions below:

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be transferred have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Transfer’ on the same line as the Project Cost you want to transfer. Transaction Number must exist for the cost in order for the transfer to work. You may want to delete the read-only columns that you do not need from the sheet.

Adjustments				Transfer Details					Batch Details			
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	New Project Number	New Task Number	New Contract Number	New Funding Source Name	New Expenditure Type	Expenditure Batch	Project Number	Task Number	Expenditure Type
	Create	374238	Transfer	WTP001	2.3			Airfare	WTBatch110522-1	102209	2.2	Contract Servic
	Create	374240	Transfer	WTP001	2.3			Airfare	WTBatch110522-1	102209	2.2	Contract Servic
	Create	374242	Transfer	WTP001	2.3			Airfare	WTBatch110522-1	102209	2.2	Contract Servic
	Create	374244	Transfer	WTP001	2.3			Airfare	WTBatch110522-1	102209	2.2	Contract Servic

Transfer Details must be completed if the Adjustment Type 'Transfer' is to be used. Data Form can be used to enter Transfer Details:

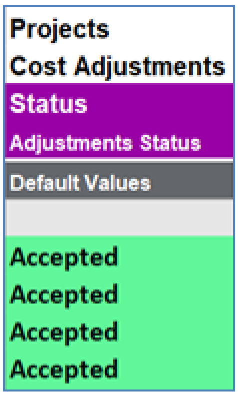


Transfers can be made to new:

a. Project Number
b. Task Number (required when Project Number is provided)
c. Contract Number (required if Project Number is associated with a Contract)
d. Funding Source (required if Contract Number is provided)
e. Expenditure Type

You do NOT need to enter items a, b, c and d if you are only transferring the Expenditure Type.

3. Once the transfers have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the 'Upload' will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the transfers pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of transfers will be returned with the status of 'Accepted' in the Adjustments Status column.



4. You can download the batch again to review the transferred transactions. In the example below, a transfer was created for the four existing project costs in a batch. Reversing transactions are also created. When

the batch is downloaded again on the sheet, eight new transactions are downloaded as part of the same batch showing the transferred and reversed costs.

Adjustments				Transfer Details					Batch Details				
Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	New Project Number	New Task Number	New Contract Number	New Funding Source Name	New Expenditure Type	Expenditure Batch	Project Number	Task Number	Expenditure Type	Quantity
	Original Costs												
		374238							WTBatch110522-1	102209	2.2	Contract Servic	5
		374240							WTBatch110522-1	102209	2.2	Contract Servic	7
		374242							WTBatch110522-1	102209	2.2	Contract Servic	9
		374244							WTBatch110522-1	102209	2.2	Contract Servic	11
	Reversals of original costs												
		393229							WTBatch110522-1	102209	2.2	Contract Servic	-7
		393227							WTBatch110522-1	102209	2.2	Contract Servic	-5
		393231							WTBatch110522-1	102209	2.2	Contract Servic	-9
		393233							WTBatch110522-1	102209	2.2	Contract Servic	-11
	Transferred Costs												
		393230							WTBatch110522-1	WTP001	2.3	Airfare	7
		393228							WTBatch110522-1	WTP001	2.3	Airfare	5
		393232							WTBatch110522-1	WTP001	2.3	Airfare	9
		393234							WTBatch110522-1	WTP001	2.3	Airfare	11

Split

To Split existing Project Costs, please follow the instructions below:

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. Once the Project Costs that are to be Split have been identified, use the Adjustments section to enter Adjustments Upload Action of ‘Create’ or utilize the Default Row so that the Upload Action is applied to the rows below. Enter Adjustment Type of ‘Split’ on the same line as the Project Cost you want to split. Transaction Number must exist for the cost for the transfer to work. You may want to delete the read-only columns that you do not need from the sheet.

3. To initiate the split and upload process, enter the desired 'Split Quantity'. The following example illustrates the outcome of a transaction undergoing the split procedure:
   a. The row highlighted in yellow represents the original transaction.
   b. The row highlighted in red signifies the reversal of that line during adjustments.
   c. Rows highlighted in green depict the new transactions resulting from the split. With a 'Split Quantity' of 5 utilized to divide the original transaction's quantity of 20, two new transactions are created: one with a quantity of 5, and another with the remaining quantity of 15.

Status	Adjustments				Split De	tch Details	Expenditu				
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type	Split Quantity	Expenditure Batch	Item Date	Project Number	Task Number	Expenditure Type	Quantity
Default Values											
Accepted		Create	456238	Split	5	WTBatch2703	1/03/2024	WTPERF2	200	Airfare	20
			457231			WTBatch2703	1/03/2024	WTPERF2	200	Airfare	-20
			457233			WTBatch2703	1/03/2024	WTPERF2	200	Airfare	15
			457232			WTBatch2703	1/03/2024	WTPERF2	200	Airfare	5
			456238			WTBatch2703	1/03/2024	WTPERF2	200	Airfare	20

Invoice and Revenue Hold Adjustment Types

To adjust invoice and revenue statuses for existing Project Costs, please follow the instructions below:

1. Download Project Costs using the Cost Adjustments Integrator. In the example below, the projects costs are downloaded using the Expenditure Batch criteria.

2. The following Adjustment Types can be used to adjust invoice and revenue hold statuses:
   a. Hold Invoice Once
   b. Hold Invoice Until Released
   c. Release Invoice Hold
   d. Hold Revenue Until Released
   e. Release Revenue Hold

3. Once the Adjustments have been entered, they can be uploaded to Oracle. More information on how to upload records to Oracle can be found at Uploading. Clicking on the ‘Upload’ will trigger the Integrator validation as well as the Oracle REST Web Service validation. Once the Adjustments pass validation, they will be uploaded to Oracle. See section Error Handling and Validation for more information about validation. A successful upload of Adjustments will be returned with the status of ‘Accepted’ in the Adjustments Status column.

Status	Adjustments			
Adjustments Status	Adjustments Messages	Adjustments Upload Action	Transaction Number	Adjustment Type
Default Values				
Accepted		Create	371230	Hold invoice once

4. You can download the transactions to review the adjustments done. In the example below, a ‘Hold invoice once’ Adjustment Type was used to change the Hold Invoice status on existing project cost.

Transaction Number	Adjustment Type	Hold Invoice	Hold Revenue
371230		Yes	No

Sections:
Download Project Costs

Assets and Assignments Integrator

Assets and Assignments Integrator can be used to view, create and delete project asset and asset assignments in Project Portfolio Management module. It can also update project assets. The Assets and Assignments Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

Sections:
Create Assets
Download Assets
Update Assets
Delete Assets
Create Asset Assignments
Download Asset Assignments
Delete Asset Assignments

Create Assets

To create a project asset, the 'Assets Upload Action' column value must be 'Create'. Refer to the Uploading section for more information on how to upload the Create action.

Assets			
Assets Messages	Assets Upload Action	Project Number	Asset Name
	Create	CAP003	Asset 16

This section describes some of the fields available in the integrator.

Project Number
A Project Number is a mandatory field, and it determines the project to which an asset belongs.

Asset Name
An Asset Name is a mandatory field when creating a new asset. It uniquely identifies each asset within a project.

New Asset Name
If you want to update an existing asset with a new name, you must enter the new name in the 'New Asset Name' field for the change to be successful. Asset Name is a unique key for the asset. You must use the 'New Asset Name' field to update an asset with a new name.

Tag Number
If you enter a tag number, it must be unique. A tag number uniquely identifies each asset. For example, use the tag number to track asset barcodes, if you use them.

Asset Category, Asset Key, Location, Depreciation Expense Account
These fields allow valid combinations of the relevant Key Flexfields to be selected in Oracle Cloud. Currently there is no support for lists of values on the KFF fields as the Integrator cannot read the definitions yet. This may change in the future as Oracle add support for this requirement and our products mature. For now, you must enter a valid combination for these fields to create assets successfully. See example below:

Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Asset Category	Asset Key	Book	Location
CAP004	Asset 4			Asset 4 Test Asse	ESTIMATED	BUILDING-HOSPITAL	FIRE SUPPRESSION	US C	USA-ILLINOIS-CHICAGO-OFFICE
CAP004	Asset 5			Asset 5 Test Asse	ESTIMATED	BUILDING-HOSPITAL	FIRE SUPPRESSION	US C	USA-ILLINOIS-CHICAGO-OFFICE
CAP004	Asset 6			Asset 6 Test Asse	ESTIMATED	BUILDING-HOSPITAL	FIRE SUPPRESSION	US C	USA-ILLINOIS-CHICAGO-OFFICE

Asset Type
Valid Asset Types are:

- Estimated
- As-Built

If the Asset Type of 'As-Built' is selected, the 'Actual In-Service Date' and 'Actual Units' fields will become mandatory.

Asset Key & Asset Key Reference

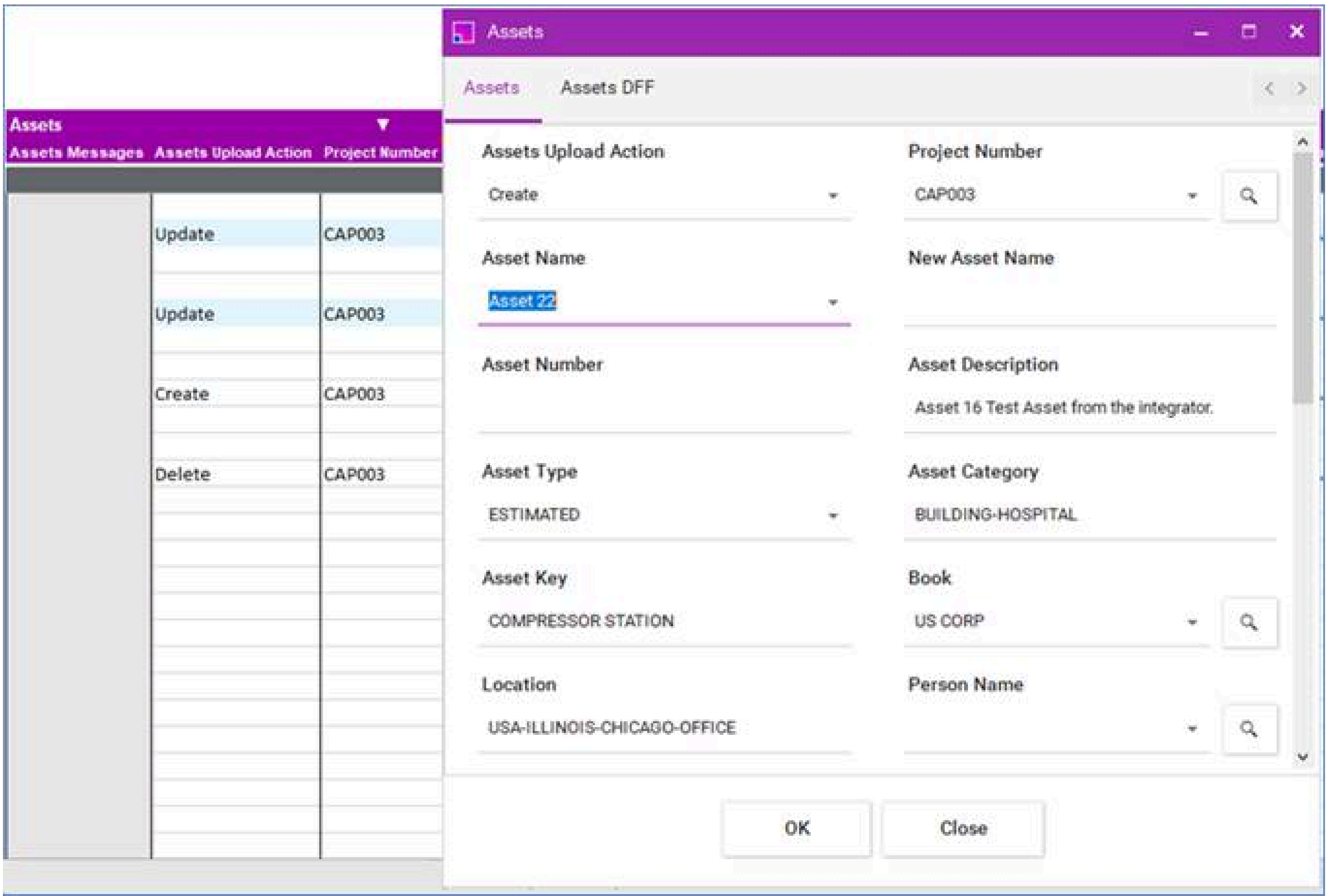
When creating an asset, the ‘Asset Key Reference’ field provides a list of the existing valid Asset Key Flexfield combinations: you cannot create new combinations in this field. When you initially input a value into this field, the same value is automatically populated into the ‘Asset Key’ field.

If you subsequently change a value in the ‘Asset Key Reference’ field, this change is NOT reflected in an already populated ‘Asset Key’ field. When the Project Asset is uploaded, it is the value in the ‘Asset Key’ field which will be saved against the Asset in Oracle.

Therefore, you must ensure that the value in the ‘Asset Key’ field is the value you wish to have in Oracle before you run the upload. Values can be manually copied from the Integrator’s ‘Asset Key Reference’ field to the ‘Asset Key’ field.

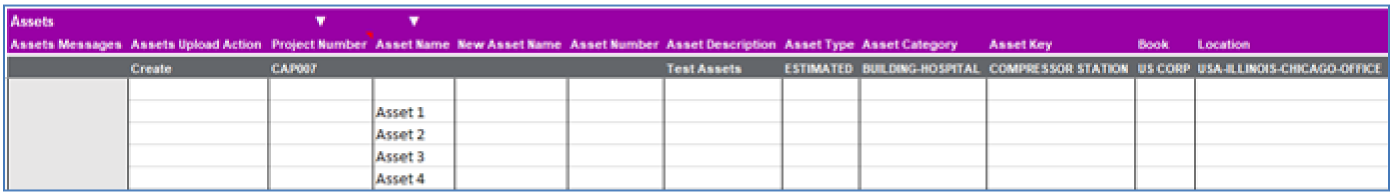
If your Asset Key Flexfield setup allows you to dynamically create new combinations of the defined Asset Key segment values, you should use the ‘Asset Key’ field to enter these new combinations and leave the ‘Asset Key Reference’ field blank.

Enter the Asset details manually in the sheet or use the Data Form to enter details:



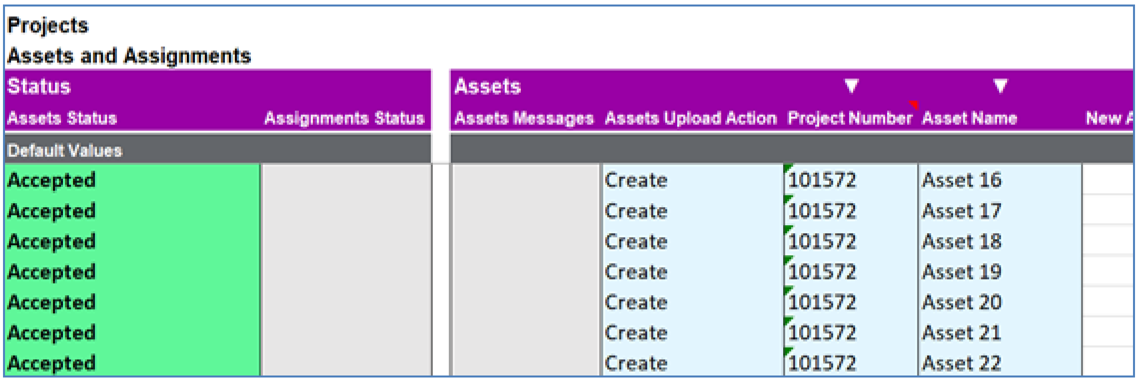
Default Row

The Default Row can be used to enter values specified in the row to default down the sheet during validation. More information about the Default Row can be found here.



Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Asset Category	Asset Key	Book	Location
	Create	CAP007				Test Assets	ESTIMATED	BUILDING-HOSPITAL	COMPRESSOR STATION	US CORP	USA-ILLINOIS-CHICAGO-OFFICE
			Asset 1								
			Asset 2								
			Asset 3								
			Asset 4								

The ‘Accepted’ status for ‘Assets Status’ is returned to the sheet if all the assets are valid and uploaded successfully to Oracle.



Projects
Assets and Assignments

Status		Assets				
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name	New A
Default Values						
Accepted			Create	101572	Asset 16	
Accepted			Create	101572	Asset 17	
Accepted			Create	101572	Asset 18	
Accepted			Create	101572	Asset 19	
Accepted			Create	101572	Asset 20	
Accepted			Create	101572	Asset 21	
Accepted			Create	101572	Asset 22	

Sections:

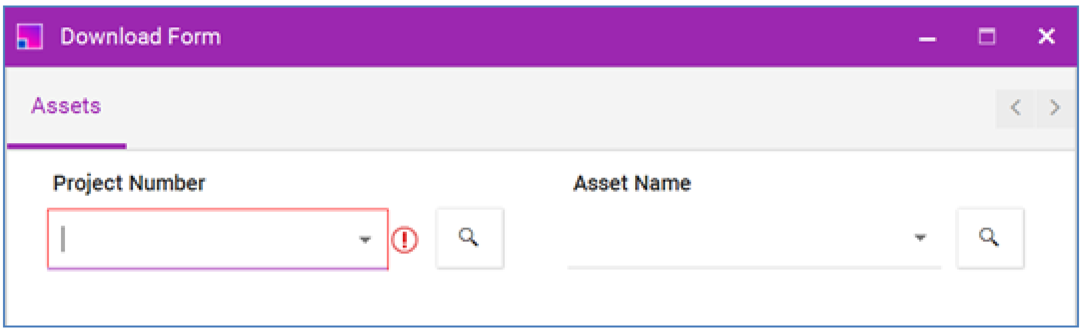
[Download Assets](#)
[Update Assets](#)
[Delete Assets](#)
[Create Asset Assignments](#)
[Download Asset Assignments](#)
[Delete Asset Assignments](#)

Download Assets

There are two ways to download the project assets from Oracle using the Integrator. More information about downloading can be found here.

Download via Form

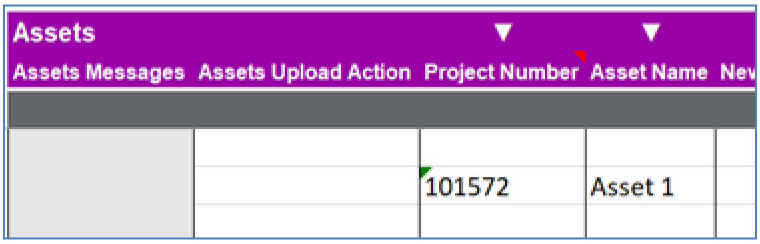
The Download Form will be displayed when the ‘Download via Form’ is selected. Here, you can enter values into the available fields to set the download criteria. Click the ‘Download’ button to download data onto the sheet.



You must provide a project number when using the Download Form to download existing project assets. Asset Name can be left blank if you want to download all the assets belonging to a project selected.

Download via Sheet

When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.



Sections:

[Create Assets]
[Update Assets]
[Delete Assets]
[Create Asset Assignments]
[Download Asset Assignments]
[Delete Asset Assignments]

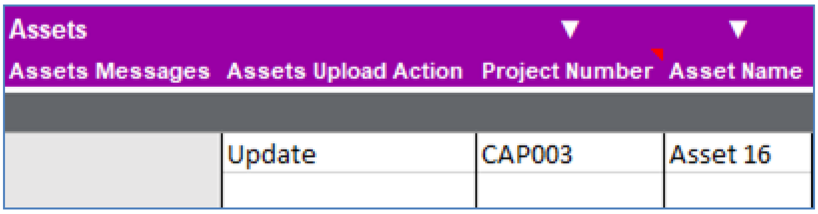
Update Assets

To update a project asset, the 'Assets Upload Action' column value must be 'Update'. Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing project asset, More4apps recommend downloading the Project and Assets first to have all the existing Assets downloaded to the sheet. Refer to the Download Assets section for more information on how to download existing assets.

To update an asset, the 'Assets Upload Action' must have the 'Update' action. The 'Project Number and 'Asset Name' must be populated.

You may NOT update assets if the 'Project Number and 'Asset Name' are empty. The values are required to update the record.



Once the necessary data entry changes are made to the assets, upload the changes to Oracle.

The 'Accepted' status for 'Assets Status' is returned to the sheet if all the Updates for the assets are valid and uploaded successfully to Oracle.

Projects
Assets and Assignments

Status		Assets						
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description
Default Values								
Accepted			Update	101572	Asset 16			Test Description As
Accepted			Update	101572	Asset 17			Test Description As
Accepted			Update	101572	Asset 18			Test Description As
Accepted			Update	101572	Asset 19			Test Description As
Accepted			Update	101572	Asset 20			Test Description As
Accepted			Update	101572	Asset 21			Test Description As
Accepted			Update	101572	Asset 22			Test Description As

Sections:

Create Assets
Download Assets
Delete Assets
Create Asset Assignments
Download Asset Assignments
Delete Asset Assignments

Delete Assets

To delete a project asset, the 'Assets Upload Action' column value must be 'Delete'.

To Delete existing assets, More4apps recommend downloading the Project and Assets first to have all the existing Assets downloaded to the sheet. Refer to the Download Assets section for more information on how to download an existing asset.

To delete an asset, the 'Assets Upload Action' must have the 'Delete' action. The 'Project Number' and 'Asset Name' must be populated.

You may NOT delete assets if the 'Project Number and 'Asset Name' columns are empty. Both values are required to identify the record to be deleted.

Projects
Assets and Assignments

Status		Assets			
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name
Default Values					
Deleted			Delete	CAP008	Asset 10
Deleted			Delete	CAP008	Asset 11
Deleted			Delete	CAP008	Asset 12
Deleted			Delete	CAP008	Asset 13
Deleted			Delete	CAP008	Asset 14

Once the desired assets are marked for Delete, upload the changes to Oracle.

The 'Deleted' status for 'Assets Status' is returned to the sheet if the assets are successfully deleted from Oracle. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the 'Assets Status' status.

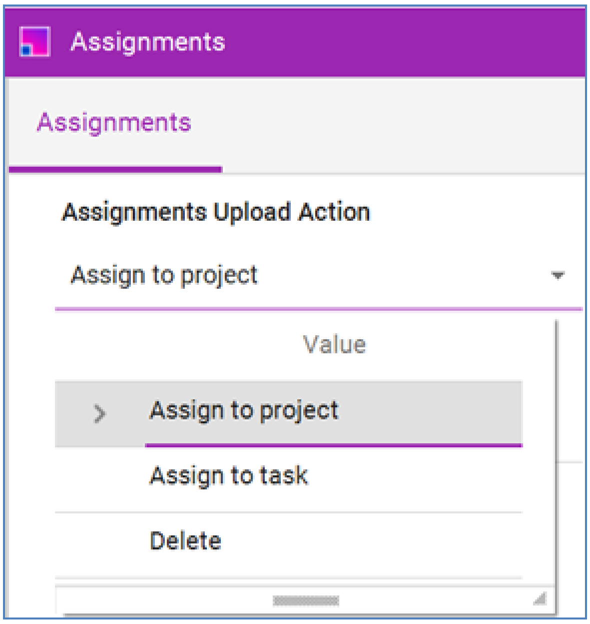
Sections:

Create Asset Assignments

An asset can be assigned at the project **or** task level, but not both. When you are assigning assets at the task level, you can assign assets either at the top-task level or lowest-task level, but you cannot assign an asset to both top and lowest-tasks in the same branch of the Work Breakdown Structure. An asset can be assigned at the same time as creating an asset.

To create an asset assignment against a project, the 'Assignments Upload Action' column value must be 'Assign to project'.

To create an asset assignment against a project task, the 'Assignments Upload Action' column value must be 'Assign to task'.



Once the desired 'Assignment Upload Action' is selected, upload the changes to Oracle. Asset Assignments must be positioned on or below the row containing the Project Number and Asset Name.

Once the Asset Assignments are uploaded, the 'Asset Assignment Id' will be returned to the sheet. The 'Asset Assignment Id' is a unique number created for the asset assignment and it is required to carry out the Delete Action.

Projects
Assets and Assignments

Status		Assets								Assignments		
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Assignments Messages	Assignments Upload Action	Asset Assignment Id
Default Values												
Accepted			Create	CAP004	Asset 11			Asset 11	ESTIMATED			
Accepted			Create	CAP004	Asset 12			Asset 12	ESTIMATED			
Accepted			Create	CAP004	Asset 13			Asset 13	ESTIMATED			
Accepted			Create	CAP004	Asset 14			Asset 14	ESTIMATED			
Accepted	Accepted		Create	CAP004	Asset 15			Asset 15	ESTIMATED		Assign to project	300000230771882
Accepted	Accepted		Create	CAP004	Asset 16			Asset 16	ESTIMATED		Assign to project	300000230771883
Accepted	Accepted		Create	CAP004	Asset 17			Asset 17	ESTIMATED		Assign to project	300000230771884
Accepted	Accepted		Create	CAP004	Asset 18			Asset 18	ESTIMATED		Assign to project	300000230771885
Accepted	Accepted		Create	CAP004	Asset 19			Asset 19	ESTIMATED		Assign to project	300000230771886

It is not necessary to duplicate the Project Number and Asset on every row where there are multiple assets for a single task. A single asset can be assigned to more than one task. See the image below where ‘Asset 4’ is assigned to 3 Tasks belonging to project ‘CAP004’.

Projects
Assets and Assignments

Status		Assets								Assignments			
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
Default Values													
Validated	Accepted			CAP004	Asset 4			Asset 4 Test Ass	ESTIMATED		Assign to task	300000230771887	1.0
	Accepted										Assign to task	300000230771888	2.0
											Assign to task	300000230771891	3.0

The ‘Accepted’ status for ‘Assignments Status’ and ‘Asset Assignment Id’ is returned to the sheet if all the asset assignments are valid and uploaded successfully to Oracle.

Default Row
The Default Row can be used to enter values specified in the row to default down the sheet during validation. More information about the Default Row can be found here.

For the Asset Assignments section, only the upload action value of ‘Assign to task’ can be used in the Default Row. The upload action value ‘Assign to project’ cannot be used as a Default Row and must be entered against an asset on the same row.

‘Assign to task’ can be entered as a Default Row value:

Assignments			
Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
	Assign to task		
			1.1
			1.1
			1.1
			1.1
			1.1

Assignments			
Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
	Assign to task		
	Assign to task	300000235523683	1.1
	Assign to task	300000235523686	3.1
	Assign to task	300000235523687	3.1
	Assign to task	300000235523684	1.1
	Assign to task	300000235523685	1.1

‘Assign to project’ cannot be entered as a Default Row Value. It must be entered for every asset row to be assigned at the project level.

Assignments			
Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
	Assign to project		
	Assign to project		
	Assign to project		
	Assign to project		
	Assign to project		

Sections:
[Create Assets]
[Download Assets]
[Update Assets]
[Delete Assets]
[Download Asset Assignments]
[Delete Asset Assignments]

Download Asset Assignments

Asset Assignments are downloaded at the same time when Assets are downloaded. See Download Assets for more information on how to download assets.

When project level asset assignments are downloaded to the sheet, the ‘Assignments’ section will display the ‘Asset Assignment Id’ that was generated when a project level asset assignment was created.

Assets								Assignments		
Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Assignments Messages	Assignments Upload Action	Asset Assignment Id
		CAP004	Asset 15			Asset 15	ESTIMATED			300000230771882
		CAP004	Asset 16			Asset 16	ESTIMATED			
		CAP004	Asset 17			Asset 17	ESTIMATED			
		CAP004	Asset 18			Asset 18	ESTIMATED			300000230771885
		CAP004	Asset 19			Asset 19	ESTIMATED			300000230771886

When task level asset assignments are downloaded to the sheet, the ‘Assignments’ section will display the ‘Asset Assignment Id’ and the task number in the ‘Task Number to assign’ column.

Assets								Assignments			
Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
		CAP004	Asset 4			Asset 4 Test Ass	ESTIMATED			300000230771887	1.0
										300000230771888	2.0
										300000230771891	3.0

Sections:
[Create Assets]
[Download Assets]
[Update Assets]

[Delete Assets](#)
[Create Asset Assignments](#)
[Delete Asset Assignments](#)

Delete Asset Assignments

To delete an Asset Assignment, the 'Assignment Upload Action’ column value must be ‘Delete’.

To Delete existing Asset Assignments, More4apps recommend downloading the Project and Assets first to have all the existing Assets and Assignments downloaded to the sheet. Refer to the Download Assets section for more information on how to download existing assets.

To delete a Task level asset assignment, the ‘Assignments Upload Action’ must have the ‘Delete’ action. The 'Asset Assignment Id’ and 'Task Number to assign’ columns must be populated.

Assets							Assignments			
Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
		101572	Asset 1		001	Test Description Asset 1		Delete	300000127840184	100
		101572	Asset 2		002	Test Description Asset 2		Delete	300000127840185	200
		101572	Asset 3		003	Test Description Asset 3		Delete	300000127840199	100
		101572	Asset 4		004	Test Description Asset 4		Delete	300000127840200	200
		101572	Asset 5		005	Test Description Asset 5		Delete	300000127840201	100
		101572	Asset 6		006	Test Description Asset 6		Delete	300000127840202	200

To delete a Project level asset assignment, the ‘Assignments Upload Action’ must have the ‘Delete’ action and the 'Asset Assignment Id’ column must be populated.

You may NOT delete asset assignments if the ‘Asset Assignment Id’ column is empty. The value is required in order to delete the record.

Once the desired asset assignments are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status for ‘Assignments Status’ is returned to the sheet if the asset assignment is successfully deleted from Oracle. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the ‘Assignments Status’ status.

Projects
Assets and Assignments

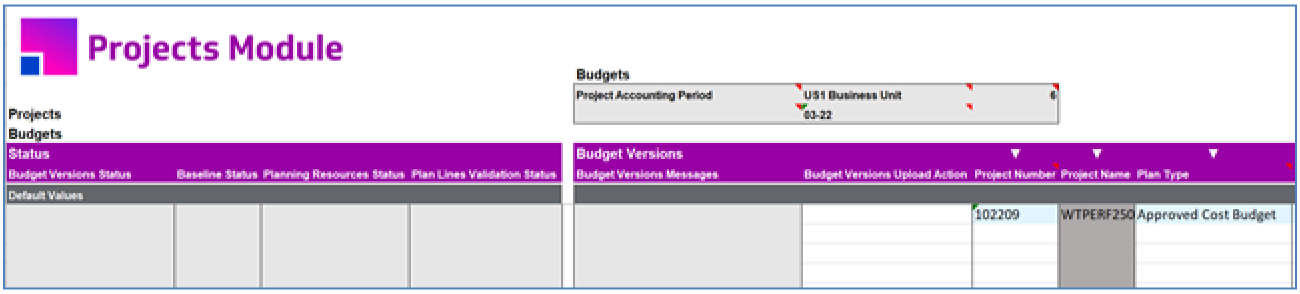
Status		Assets								Assignments			
Assets Status	Assignments Status	Assets Messages	Assets Upload Action	Project Number	Asset Name	New Asset Name	Asset Number	Asset Description	Asset Type	Assignments Messages	Assignments Upload Action	Asset Assignment Id	Task Number to assign
Default Values													
Validated	Deleted			CAP004	Asset 19			Asset 19	ESTIMATED		Delete		1.0
	Deleted										Delete		2.0
	Deleted										Delete		3.0

Sections:

[Create Assets](#)
[Download Assets](#)
[Update Assets](#)
[Delete Assets](#)
[Create Asset Assignments](#)
[Download Asset Assignments](#)

Budgets Integrator

The Budgets Integrator can be used to view, create, update and delete project budgets that are non-phased and period-phased in Project Portfolio Management module. The Budgets Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.



The Integrator cannot be used to set Planning Options when creating a new budget.

The following sections exist in the Budgets integrator:

- Budget Versions: Contains the header details of a Budget.
- Planning Resources: Task and Resources to be included in the Budget.
- Plan Lines: Currency and plan line amounts to be entered into the Budget.

Section Name	**Available Upload Actions**				
	Create	**Create records**	**Update**	**Update records**	**Delete**
Budget Versions	Yes	Yes	Yes	Yes	Yes
Planning Resources	Yes	Yes	Yes	Yes	No
Plan Lines	Yes	Yes	Yes	Yes	No

The following Secondary Actions exist on the sheet where if you specify a ‘Yes’ value, the Integrator will upload the action:

- Baseline: Submit the Budget Version for baseline

Navigate to the sections below for instructions on how to use the Integrator.

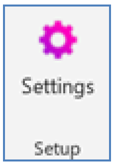
Sections:

[Settings Form]
[Create Budgets]
[Baseline]
[Download Budgets]
[Update Budgets]
[Delete Budgets]
[Limitations]

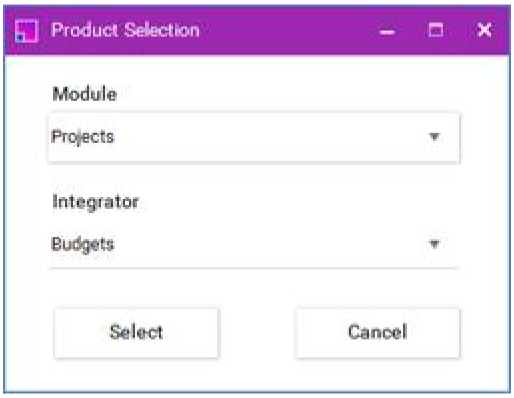
Settings Form

Before you can use the Budgets Integrator, you need to complete the Settings Form. The settings values will generate a layout for the Budgets sheet. Follow the instructions below to complete the Settings Form:

1. Click on the ‘Settings’ icon the menu bar to launch the Settings form.



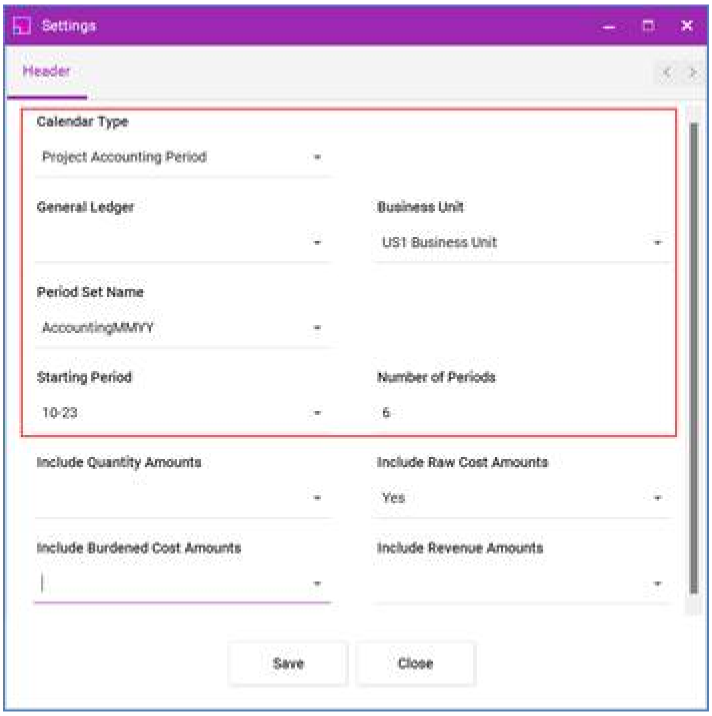
2. Select ‘Budgets’ from the list of Integrators and click ‘Select’.



3. Complete the fields on the form.

For a non-phased budget, select Calendar Type of ‘None’ from the List of Values. You do not need to select/enter any of the fields that are shown in the red rectangle for a non-phased budget.

For a period-phased budget, select either the ‘Project Accounting Period’ or ‘Accounting Period’. Depending on which period-phased Calendar Type you select, you will be required to either select a Ledger from General Ledger List of Values or a Business Unit from the Business Unit List of Values. Starting Period and Number of Periods must be specified so that the tool knows how many periods to generate on the sheet.



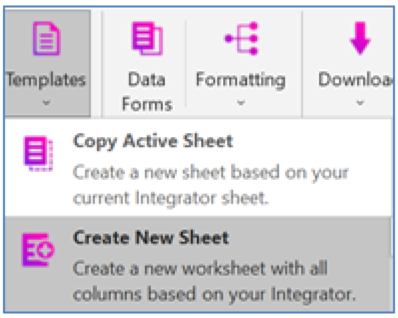
The following Amount Type fields have the option to select a 'Yes' value and at least one must be selected for both non-phased and period-phased budgets:

a. 'Include Quantity Periods'
b. 'Include Raw Cost Periods'
c. 'Include Burdened Cost Periods'
d. 'Include Revenue Periods'

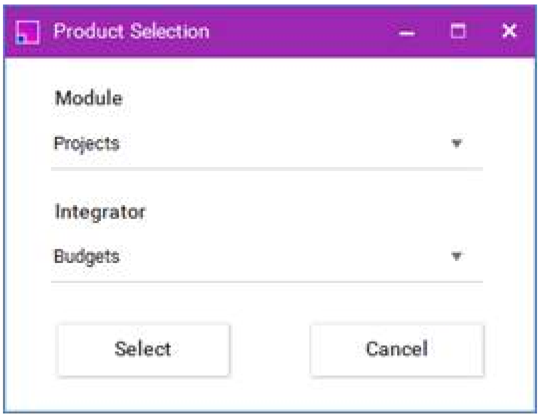
Each Amount Type/s with a 'Yes' value will generate a set of period column headings based on the number of periods on the Settings form.

4. Click on the 'Save' button

5. Select 'Templates' from the More4apps ribbon and select 'Create New Sheet'.



6. Select 'Budgets' from the list of Integrators and click 'Select'.

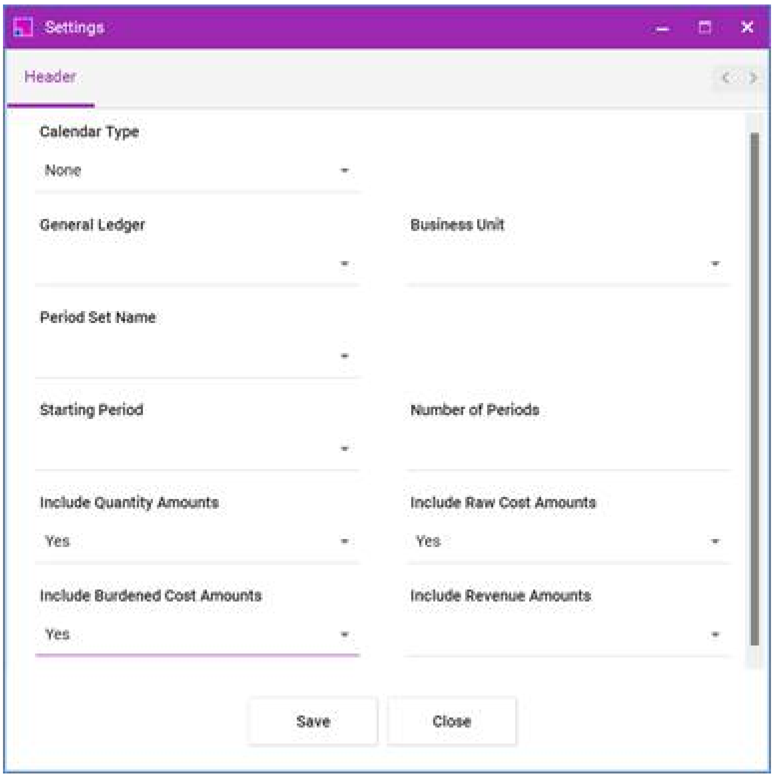


A budget layout will be created based on the values on the Settings form.

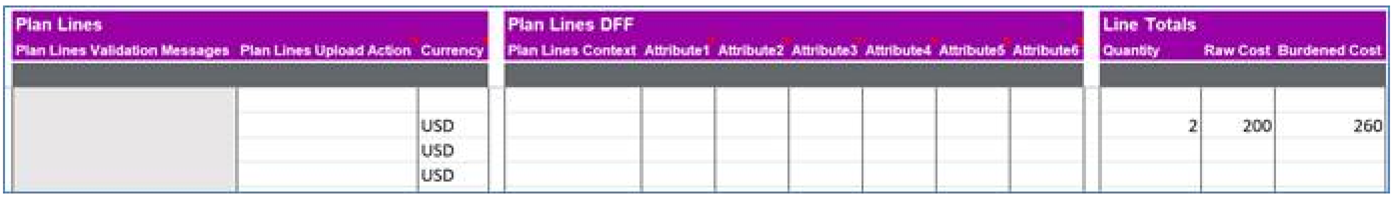
Layout Examples

Non-Phased

Example Settings Form values for a Non-Phased Budget:

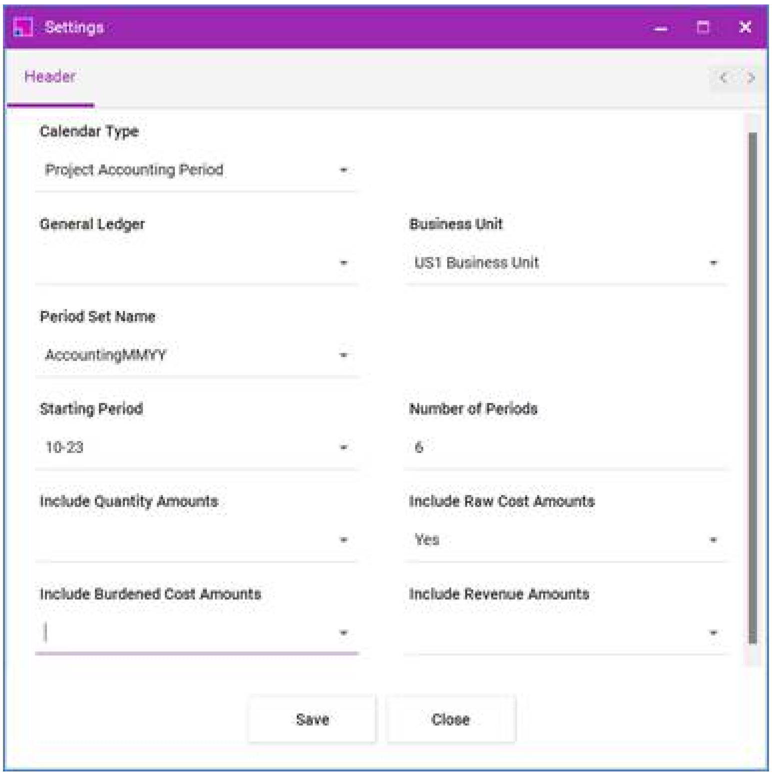


The layout generated from the above Settings Form values:

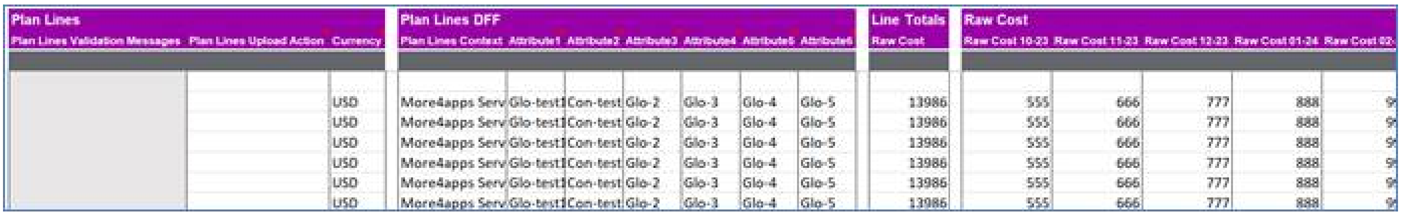


Period-Phased

Example Settings Form values for a Period-Phased Budget:



The layout generated from the above Settings Form values:



Plan Lines			Plan Lines DFF							Line Totals	Raw Cost				
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Plan Lines Context	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5	Attribute6	Raw Cost	Raw Cost 10-23	Raw Cost 11-23	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9

Sections:

Create Budgets
Baseline
Download Budgets
Update Budgets
Delete Budgets
Limitations

Create Budgets

Period-Phased Budgets has three main sections in the Integrator:

- Budget Versions (Header)
- Planning Resources
- Plan Lines with Period Amount Details (Periods)

A Non-Phased Budget has three main sections in the Integrator:

- Budget Versions (Header)

- Planning Resources
- Plan Lines

Budget Versions is the header section of the Budget and the remaining two sections, Planning Resources and Plan Lines, are its child sections. The child sections cannot be created without a valid header section. To create a complete Budget, the 'Budget Versions Upload Action', 'Planning Resources Upload Action', and 'Plan Lines Upload Action' column values must contain 'Create' on each row. Please refer to the Uploading section for more information on how to upload the Create action. **Upload Action** columns can be populated with a **Create or Create records.** Create records causing all related child components to default to the same action, while Create will only create that section.

The Integrator cannot be used to set Planning Options when creating a new budget.
If you want to create a budget with different Planning Options, we suggest that you create the budget version in Oracle first, and then use the Integrator to download the budget to add Planning Resources and Plan Lines.

This section describes the key fields available from each of the sections in the Integrator.

Budget Versions

In the Budget Versions section, enter the Project Number, Plan Type and Name as a minimum to successfully create a budget.

Budget Versions Budget Versions Messages	Budget Versions Budget Versions Upload Action	Project Number	Project Name	Plan Type	Planning Amounts	Planning RBS	Version Number	Name	Description	Status
	Create	WTPERF131221-12	WTPERF131	Approved Cost Budget				WT Budget 1	Test budget	

Project Number
Project Number is a mandatory field.

Project Name
Project Name is an optional display-only column and is populated when the Project Number is validated.

Plan Type
Name of the financial Plan Type used to create the budget version. Select from the List of Values.

Planning Amounts
You can leave this field blank. However, you MUST select either Cost **or** Revenue when using a financial plan type that allows the creation of cost and revenue versions separately.

Planning RBS (Planning Resource Breakdown Structure)
You can leave this column blank or delete the column to automatically use the RBS that has the Primary Planning flag set on the project. The value selected here will determine the Resource Name list in the Planning Resources section.

Version Number
The number of the budget version. Leave this field blank and the number will be populated after a successful upload. This field should not be edited.

Name

Enter the Name of the budget version. This is required in order to create a new budget.

Description
Enter the Description of the project budget version.

Status
This field displays the status of the project budget version indicating where the budget is in the submission/ baselining process. If this field is left blank, the status will be defaulted to 'Current Working' for a new budget.

Is Locked
The Is Locked field on the sheet indicates if the project budget version is locked. A value of 'true' means that the budget version is locked and cannot be edited. A value of 'false' means that the budget version is not locked and can be edited. The default value while creating a project budget version is 'false'. You cannot set the value to 'true' when creating a new budget.

Locked By
Locked By is a display only field to show the name of the user who has locked the project budget version.

Planning Resources

Planning Resources

Planning Resources Message	Planning Resources Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date
	Create	200	Task 200	Labor		1/10/2021	30/10/2025

Task Number
Number of the task to which a planning resource is assigned on a budget line.

Task Name
The Task Name is an optional display-only column and is populated when the task number is validated.

Resource Name
The List of Values for Resource Name are determined by the Planning Resource Breakdown Structure selected in the Budget Versions section. If no Planning Resource Breakdown Structure is selected, the List of Values will be derived from the RBS Primary Planning flag set as project level.

Unit of Measure
The unit, such as Hours, used to measure the work or effort planned for a resource. This is a display-only field. The value is defaulted from the Resource Name selected.

Planning Start Date
The start date of the resource assignment on the task. If the field is left blank, the Task start date will be defaulted.

Planning End Date
The finish date of the resource assignment on the task. If the field is left blank, the Task end date will be defaulted.

Plan Lines for Non-Phased Budget

Plan Lines						
Plan Lines Validation Message	Plan Lines Upload Actior	Currency	Quantity	Raw Cost	Burdened Cos	Revenue
	Create	USD	23			

When Plan Lines are successfully uploaded to Oracle, the ‘Plan Lines Validation Status’ will not be set to an ‘Accepted’ status. If the Plan Lines details are valid and the parent section Planning Resources is valid, then the ‘Plan Lines Validation Status’ will remain ‘Validated’ and its grandparent section ‘Forecast Versions Status’ will have an ‘Accepted’ status returned.

Status			
Budget Versions Stat	Baseline Statu	Planning Resources Validation Stat	Plan Lines Validation Stat
Default Values			
Accepted		Validated	Validated
		Validated	Validated
		Validated	Validated
		Validated	Validated

Currency
Currency code for the budget lines must be entered for the Planning Resources and Plan Lines sections to successfully upload.

Quantity
Measure of the effort planned for the budget line.

Raw Cost
Budget line Raw Cost amounts in transaction currency.

Burdened Cost
Budget line burdened cost amounts in transaction currency.

Revenue
Budget line revenue amounts in transaction currency.

Plan Lines for Period-Phased Budget

Plan Lines for Period-Phased Budget will have the Currency column and Line Totals columns available. When the Settings form is used to generate the sheet, selected Amount Types with their own set of Periods will appear. Selected Amount Types will also appear in the Line Totals section. In the example below, Amount Type ‘Raw Cost’ is selected from the Settings form to appear on the sheet with 6 periods for Raw Cost.

If the period values are entered, the integrator will only upload these values. Even if an amount is entered at the summary level (e.g., 10000 highlighted in yellow), it will be ignored if there are period values in the same row.

However, the amount 400 highlighted in green will be uploaded and spread, using the spread curve rules set against the default planning options, across the periods because there are no period amounts entered on the same row.

Plan Lines			Plan Lines DFF							Line Totals	Raw Cost					
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Plan Lines Context	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5	Attribute6	Raw Cost	Raw Cost 10-23	Raw Cost 11-23	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-24	Raw Cost 03-24
	Create	USD								1000	555	666	777	888	999	1110
	Create	USD									555	666	777	888	999	1110
	Create	USD									555	666	777	888	999	1110
	Create	USD								400						

When Plan Lines are successfully uploaded to Oracle, the 'Plan Lines Validation Status' will not be set to an 'Accepted' status. If the Plan Lines details are valid and the parent section Planning Resources is valid, then the 'Plan Lines Validation Status' will remain 'Validated' and its grandparent section 'Forecast Versions Status' will have an 'Accepted' status returned.

Status			
Budget Versions Stat	Baseline Statu	Planning Resources Validation Stat	Plan Lines Validation Stat
Default Values			
Accepted		Validated	Validated
		Validated	Validated
		Validated	Validated
		Validated	Validated

Plan Lines DFF

Additional Information available at the Plan Lines level can be entered using the Budgets integrator. You may delete the Plan Lines DFF section if you are not interested in this information.

Plan Lines			Plan Lines DFF							Line Totals	Raw Cost				
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Plan Lines Context	Attribute1	Attribute2	Attribute3	Attribute4	Attribute5	Attribute6	Raw Cost	Raw Cost 10-23	Raw Cost 11-23	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9
		USD	More4apps Serv	Glo-test1	Con-test	Glo-2	Glo-3	Glo-4	Glo-5	13986	555	666	777	888	9

Planning Levels

There are three Planning Levels for a budget:

- Project
- Project and Top Tasks
- Project and All Tasks

When you create a new budget using the Integrator, the default Planning Level against the Plan Type selected for the budget will be used. You cannot change the default Planning Level using the integrator.

Project level budgets require the Project Number to be added to the Task Number column under the Planning Resources section. If you put in a Task Number, you will get an error message.

Planning Resources							
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date
		101752	WT Project 1	BLDG	DOLLARS	1/02/2021 13:00	1/02/2025 13:00
		101752	WT Project 1	CL EQUIP	DOLLARS	1/02/2021 13:00	1/02/2025 13:00

Project and Top Tasks level budget require either the Project Number or Top Task Number to be added to the Task Number column under the Planning Resources section. If you put in a bottom Task Number (e.g., child task), you will get an error message.

Planning Resources							
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date
		101752	WT Project 1	BLDG	DOLLARS	1/02/2021 13:00	1/02/2025 13:00
		101752	WT Project 1	CL EQUIP	DOLLARS	1/02/2021 13:00	1/02/2025 13:00
		100	Task 100	ANNUAL SUBS	DOLLARS	1/02/2021 13:00	1/02/2025 13:00

For Project and All Tasks level budgets, you can put in the Project Number and any of its Tasks to the Task Number column under the Planning Resources section.

You can manually change the Planning Level of a new budget version in the Oracle form before adding any lines to the budget. You can use the integrator to create an empty budget version, which can be changed in the Oracle Form if required.

Once there are lines against a budget version, you can no longer change the Planning Options.

Creating multiple Planning Resources and Plan Lines

Multiple Planning Resources can be created against a Budget Version. Multiple Plan Lines can be created against a single Planning Resource if multi-currency is enabled.

The example below shows several Planning Resources created against various tasks for a single budget.

Planning Resources								Plan Lines						
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity	Raw Cost	Burdened Cost	Revenue
	Create	1.0	Planning	Airfare					Create	USD		6000		
	Create	2.0	Design	Amy Martin					Create	USD	20			
	Create	3.0	Constructi	Equipment					Create	USD	15			
	Create	4.0	Install Equ	Alan James					Create	USD	35			
	Create	1.0	Planning	Administrator					Create	USD	36			

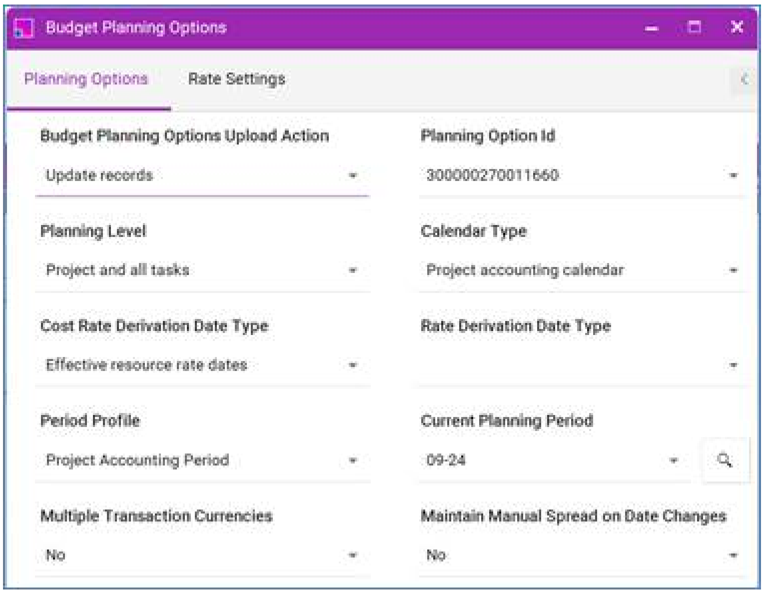
<u>The example below shows two Plan Lines created against a single Planning Resource when</u> multi-currency is enabled for the project.

Planning Resources								Plan Lines						
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity	Raw Cost	Burdened Cost	Revenue
	Create	6.0	Support a	Consultant					Create	USD	25			
									Create	EUR	35			

Budget Planning Options

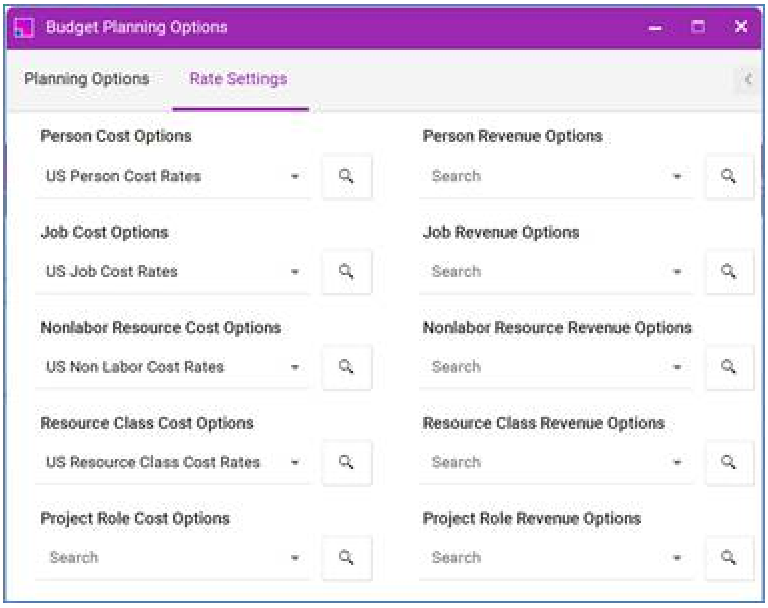
Budget Planning Options are added to Budget Version by default. However, if you want to override the default values with your own when creating a new Budget version, you may use this section to do so. These are downloadable fields, but they cannot be updated once the Budget version is created. This is a limitation in the Oracle REST web service.

To avoid errors, make sure the values you enter for Planning Options are relevant to the Plan Type you have selected for the Budget version.



Rate Settings

Rate Settings are a part of the Budget Planning Options. Depending on the Plan Type selected, you have the flexibility to override default values when creating a new budget version. However, it is important to note that Oracle REST web services have certain limitations. Specifically, some Rate Settings values cannot be directly created as part of the initial budget version through the web service. Despite this limitation, once the budget version is created, these Rate Settings values can be modified or updated as needed.



Sections:

Settings Form
Baseline
Download Budgets
Update Budgets
Delete Budgets
Limitations

Baseline

You can create a new budget with the status ‘Current Baseline’. When you create this, a Working budget version will NOT be created. If it is the first baseline version created, then the status will be ‘Current and Original Baseline’.

Status		Budget Versions						
Budget Versions Status	Baseline Status	Budget Versions Messages	Budget Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status
Default Values								
Accepted			Create	WTPERF150224-12	Approved Cost Budget	6	Baseline test 2	Current Baseline

Moving the Original Baseline flag to another Baselined version

Updating baselined versions is restricted, except for altering the Status. You can only transfer the Original Baseline flag from one version to another using the 'Original Baseline' status. Refer to the example below for clarification:

Status		Budget Versions						
Budget Versions Status	Baseline Status	Budget Versions Messages	Budget Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status
Default Values								
			Original downloaded					
				WTPERF150224-12	Approved Cost Budget	5	Baseline test	Original Baseline
				WTPERF150224-12	Approved Cost Budget	6	Baseline test 2	Current Baseline
			Updated version 6					
				WTPERF150224-12	Approved Cost Budget	5	Baseline test	Original Baseline
Accepted			Update	WTPERF150224-12	Approved Cost Budget	6	Baseline test 2	Original Baseline
			Downloaded with changes					
				WTPERF150224-12	Approved Cost Budget	5	Baseline test	Baseline
				WTPERF150224-12	Approved Cost Budget	6	Baseline test 2	Current and Original Baseline

Baseline Current Working

You can transition a budget from its 'Current Working' version to its 'Current Baseline' version by updating its status to 'Baseline'. See example below. In the example, there's an existing version 12 with a status of 'Current Working'. When its status is changed to 'Baseline', version 12 becomes the 'Current Baseline'. Additionally, a new version, version 13, is generated with the status 'Current Working'.

Status	Budget Versions						
Budget Versions Status	Budget Versions Messages	Budget Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status
Default Values							
		Original downloaded					
			WTPERF150224-12	Approved Cost Budget	12	Version 12	Current Working
		Updated version 12					
Accepted		Update	WTPERF150224-12	Approved Cost Budget	12	Version 12	Baseline
		Downloaded with changes					
			WTPERF150224-12	Approved Cost Budget	12	Version 12	Current Baseline
			WTPERF150224-12	Approved Cost Budget	13	Version 13	Current Working

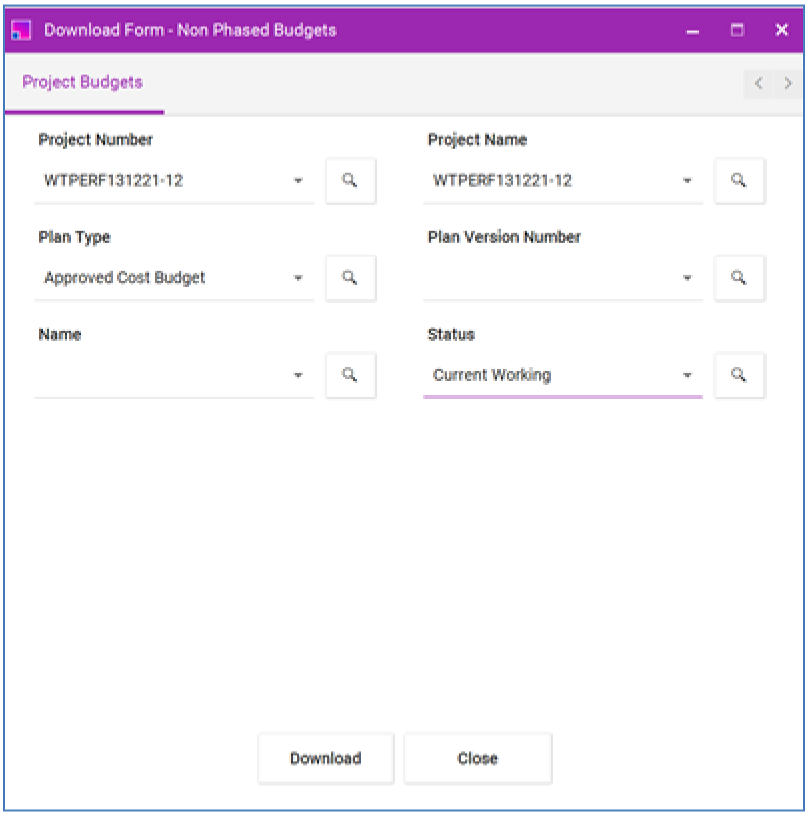
Sections:

Settings Form
Create Budgets
Download Budgets
Update Budgets
Delete Budgets
Limitations

There are two ways to download Budgets from Oracle using the Integrator. More information about downloading can be found here.

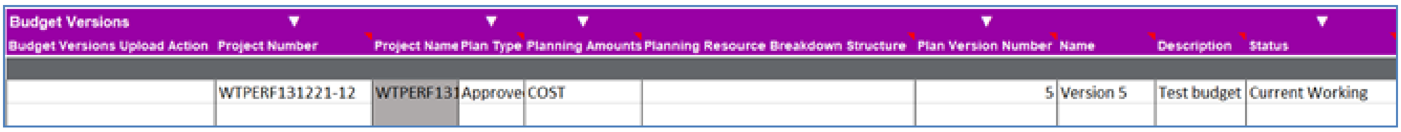
Download via Form

The Download Form will be displayed when the ‘Download via Form’ is selected from the ribbon. Here, you can enter values into the available fields to set the download criteria. Click the ‘Download’ button to download data onto the sheet.



Download via Sheet

When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the Download via Sheet option. Also note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.



Sections:

Settings Form
Create Budgets
Baseline
Update Budgets
Delete Budgets
Limitations

Update Budgets

Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing Budgets, More4apps recommends downloading the Budgets to the worksheet. You can restrict the download parameters to narrow down the search results.

All sections must enter the Upload Action mode ‘Update’ to update the budget successfully.

Here are the columns you can update from the header section.

Budget Versions

- Name
- Description
- Status (the next allowable status for the budget must be valid)
- Is Locked

Here are the columns you can update from the planning resources section.

Planning Resources

- Planning Start Date
- Planning End Date

The Plan Lines section has summary values for the amount types and period specific values. These can be updated.

You must have the columns **Project Number, Plan Type,** and **Version Number** in the Budget Version section to Update any section to be successful**.**

Budget Versions				
Budget Versions Upload Action	Project Number	Project Name	Plan Type	Planning Amounts
Update	WTPERF131221-12	WTPERF131	Approve	COST

Note: When updating the column ‘Is Locked’, Excel automatically converts manually entered values ‘true’ and ‘false’ to ‘TRUE’ and ‘FALSE’. The capital letters will be rejected by the web service on Upload. Either select the ‘true’ or ‘false’ values using the Data Form or enter an apostrophe at the beginning of the word if you are entering the value manually into the cell (e.g., ‘true).

Budget Status Updates

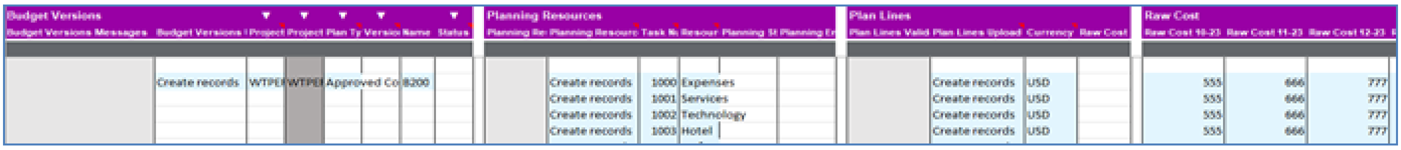
When you are updating the Status of a budget version, make sure that the next allowable status is a valid status for the budget. Oracle will return an error if you attempt to update the status with an incorrect status in the budget status hierarchy.

To **create** a new budget version without lines:

	Section		
Required	Budget Version	Planning Resources	Plan Lines
Upload Action ‘Update’	No	No	No
Upload Action ‘Create’	Yes	No	No

To **create** a new budget version and lines:

	Section		
Required	Budget Version	Planning Resources	Plan Lines
Upload Action ‘Update’	No	No	No
Upload Action ‘Create’	Yes	Yes	Yes



To **update** existing budget versions header only:

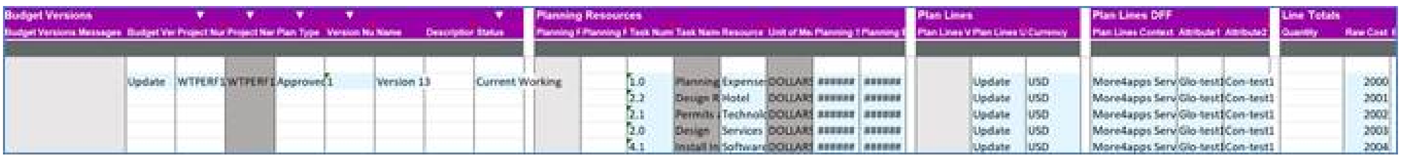
	Section		
Required	Budget Version	Planning Resources	Plan Lines
Upload Action ‘Update’	Yes	No	No

To **update** existing Planning Resources:

	Section		
Required	Budget Version	Planning Resources	Plan Lines
Upload Action ‘Update’	Yes	Yes	No

To **update** existing Plan Lines:

	Section		
Required	Budget Version	Planning Resources	Plan Lines
Upload Action ‘Update’	Yes	No	Yes



To Clear/Delete Periods Values

If you want to clear / delete a period value from a plan line, you cannot enter **[CLEAR]** in the cell to do this (highlighted red in the example screenshot below). Instead, please enter the value **'0'** to clear out the existing value (highlighted green in the example screenshot below).

1. Navigate to the plan line from which you want to remove a period value.
2. Locate the period value that you wish to clear out or delete.
3. Instead of using the [CLEAR] command, input the value '0' in place of the existing period value.
4. Upload the change to ensure that the period value has been successfully cleared out.

Sections:

Settings Form
Create Budgets
Baseline
Download Budgets
Delete Budgets
Limitations

Delete Budgets

Refer to the Uploading section for more information on how to upload the 'Delete' action.

To Delete existing Budgets, More4apps recommends downloading the specific Project, Plan Type, and Plan Version Number you want deleted to the sheet.

To delete a Budget Version, the 'Budget Versions Upload Action' must have the 'Delete' action. When you delete at the Budget Versions level, the entire budget including Planning Resources and Plan Lines will be deleted.

Budget Versions							
Budget Versions Upload Action	Project Number	Project Name	Plan Type	Plan Version Number	Name	Description	Status
Delete	CAP001	WTCAP001	Approvec	1	WTBudgetBatch001		Original Baseline
Delete	CAP001	WTCAP001	Approvec	6	WTBudgetBatch001		Baseline
Delete	CAP001	WTCAP001	Approvec	7	WTBudgetBatch001		Baseline
Delete	CAP001	WTCAP001	Approvec	8	WTBudgetBatch001		Baseline
Delete	CAP001	WTCAP001	Approvec	10	WTBudgetBatch001		Current Baseline
Delete	CAP001	WTCAP001	Approvec	4	WTBudgetBatch001		Current Working
Delete	CAP001	WTCAP001	Approvec	5	Connor 1	test	Working

You cannot delete budgets that have the status of ‘Original Baseline’ or ‘Current Baseline’. The example below has the ‘Delete’ action against budgets with a status of ‘Original Baseline’ and ‘Current Baseline’. The attempt to delete the budget with ‘Original Baseline’ and ‘Current Baseline’ will fail with an error.

Status				Budget Versions	Budget Versions									
Budget Versions Status	Baseline Status	Planning Resources Status	Plan Lines Validation Status	Budget Versions Messages	Budget Versions Upload Action	Project Number	Project Name	Plan Type	Plan Version Number	Name	Description	Status	Is Locked	Locked By
Default Values														
Error				API Error: You can't delet	Delete	CAP001	WTCAP001	Approvec	1	WTBudgetBatch001		Original Baseline	false	
Validated					Delete	CAP001	WTCAP001	Approvec	6	WTBudgetBatch001		Baseline	false	
Validated					Delete	CAP001	WTCAP001	Approvec	7	WTBudgetBatch001		Baseline	false	
Validated					Delete	CAP001	WTCAP001	Approvec	8	WTBudgetBatch001		Baseline	false	
Error				API Error: You can't delet	Delete	CAP001	WTCAP001	Approvec	10	WTBudgetBatch001		Current Baseline	false	
Validated					Delete	CAP001	WTCAP001	Approvec	4	WTBudgetBatch001		Current Working	true	Thant Cyr

Planning Resources and Plan Lines cannot be deleted individually.

Planning Resources								Plan Lines			
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity
		1.0	Planning	Airfare	DOLLARS	1/10/2021 13:00	1/12/2022 13:00			USD	
		1.0	Planning	Administrator	HOURS	1/10/2021 13:00	31/10/2021 13:00			EUR	45
										USD	36
		2.0	Design	Amy Marlin	HOURS	1/11/2021 13:00	29/12/2021 13:00			USD	20
	Delete	3.0	Construct	Equipment	HOURS	30/12/2021 13:00	31/05/2022 12:00			USD	15
	Delete	3.0	Construct	Airfare	DOLLARS	30/12/2021 13:00	31/05/2022 12:00			USD	
	Delete	4.0	Install Equ	Airfare	DOLLARS	30/12/2021 13:00	31/05/2022 12:00			USD	
		5.0	Project M.	Amy Vargo	HOURS	30/12/2021 13:00	31/05/2022 12:00			EUR	100
										USD	100
		6.0	Support a	Consultant	HOURS	1/08/2022 12:00	31/07/2023 12:00			EUR	35
										USD	25

Once the desired Budgets are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status is returned to the sheet for Budget Versions once they are successfully deleted from Oracle.

Status				Budget Versions	Budget Versions					
Budget Versions Status	Baseline Status	Planning Resources Status	Plan Lines Validation Status	Budget Versions Messages	Budget Versions Upload Action	Project Number	Project Name	Plan Type	Planning Amounts	Planning Resource Breal
Default Values										
						WTPERF13122	WTPERF131	Approve	COST	
						WTPERF13122	WTPERF131	Approve	COST	
						WTPERF13122	WTPERF131	Approve	COST	
Deleted					Delete	WTPERF13122	WTPERF131	Approve	COST	
						WTPERF13122	WTPERF131	Approve	COST	
						WTPERF13122	WTPERF131	Approve	COST	

Sections:
[Settings Form](#)
[Create Budgets](#)
[Baseline](#)
[Download Budgets](#)
[Update Budgets](#)
[Limitations](#)

Limitations

1. The following error may be received when uploading Budgets against Projects with Task/Resource Names used in multiple Projects:

   [Planning Resources] Duplicate combinations of Task Number [xx.xx.xxx] and Resource Name [Financial Resources-RS] exists on the row [xxx]

   This issue has been resolved in the Projects Module version 17.7.2.0 released in June 2024.

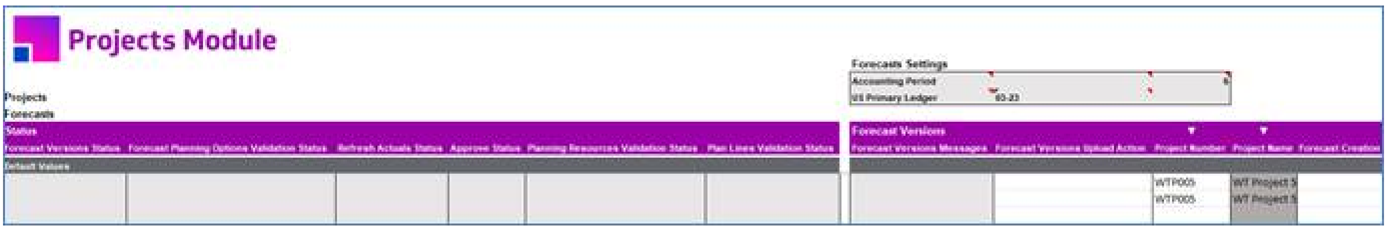
   Download the latest Projects Module and retry the upload.

2. Budgets for Project Templates can be updated but cannot be created. This is a limitation in the web service and a Service Request has been logged with Oracle to resolve this issue. In the meantime, we recommend that you create a budget version for Project Templates in Oracle UI and use the Budgets Integrator to update it.

Sections:
[Settings Form](#)
[Create Budgets](#)
[Baseline](#)
[Download Budgets](#)
[Update Budgets](#)
[Delete Budgets](#)

Forecasts Integrator

The Forecasts Integrator is available in the Projects Module from version 17.8.0.0. It can be used to view, create, update and delete Project Forecast Versions in Project Portfolio Management module. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.



The following sections exist in the Forecasts Integrator:

- Forecast Versions: Contains the header details of a Forecast.
- Forecast Planning Options: These are optional columns that can be used in the creation of a Forecast.
- Planning Resources: Task and Resources to be included in the Forecast.
- Plan Lines: Currency and EAC amounts to be entered into the Forecast.

Section Name	**Available Upload Actions**				
	Create	**Create records**	**Update**	**Update records**	**Delete**
Forecast Versions	Yes	Yes	Yes	Yes	Yes
Forecast Planning Options	Yes	Yes	No	No	No
Planning Resources	Yes	Yes	Yes	Yes	No
Plan Lines	Yes	Yes	Yes	Yes	No

The following Secondary Actions exist on the sheet where if you specify a ‘Yes’ value, the Integrator will upload the action:

- Refresh Actuals: Refresh actual amounts for project forecast version performs a refresh for the entire forecast version.

Caution: Perform a Refresh Actuals only if you are aware of its impact on your forecast version and if it aligns with your established business procedures.

- Approve: Submit the Forecast Version for approval.

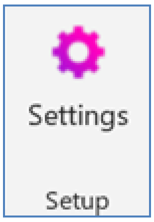
Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Settings Form
Create Forecasts
Approve
Download Forecasts
Update Forecasts
Delete Forecasts
Limitations

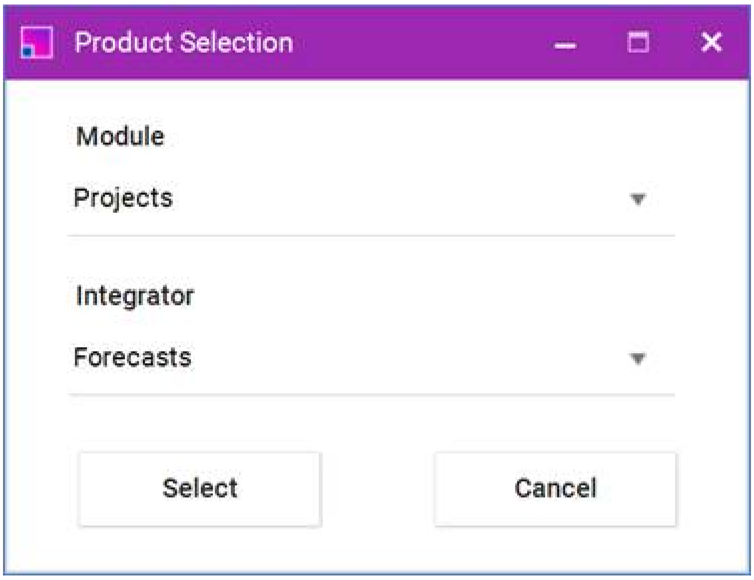
Settings Form

Before you can use the Forecasts Integrator, you need to complete the Settings Form. The settings values will generate a layout for the Forecasts sheet. Follow the instructions below to complete the Settings Form:

1. Click on the ‘Settings’ icon the menu bar to launch the Settings form.



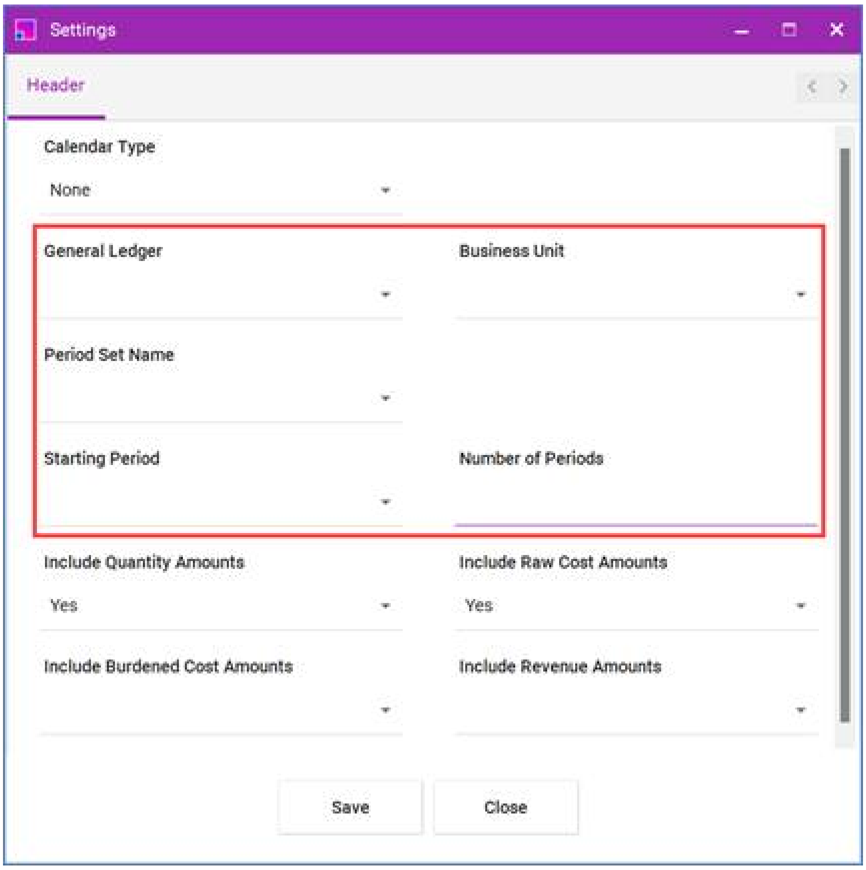
2. Select ‘Forecasts’ from the list of Integrators and click ‘Select’.



3. Complete the fields on the form.

For non-phased Forecasts, select Calendar Type of ‘None’ from the List of Values. You do not need to select / enter any of the fields that are shown in the red rectangle for a non-phased Forecast.

For period-phased Forecasts, select either the ‘Project Accounting Period’ or ‘Accounting Period’. Depending on which period-phased Calendar Type you select, you will be required to either select a Ledger from General Ledger List of Values or a Business Unit from the Business Unit List of Values. Starting Period and Number of Periods must be specified so that the tool knows how many periods to generate on the sheet.



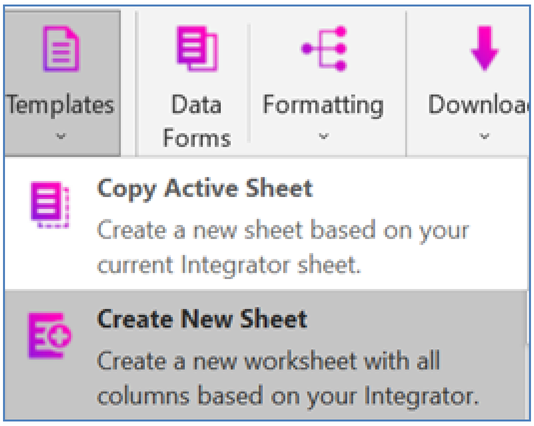
The following Amount Type fields have the option to select a ‘Yes’ value and at least one must be selected for both non-phased and period-phased Forecasts:

a. ‘Include Quantity Amounts’
b. ‘Include Raw Cost Amounts
c. ‘Include Burdened Cost Amounts
d. ‘Include Revenue Amounts

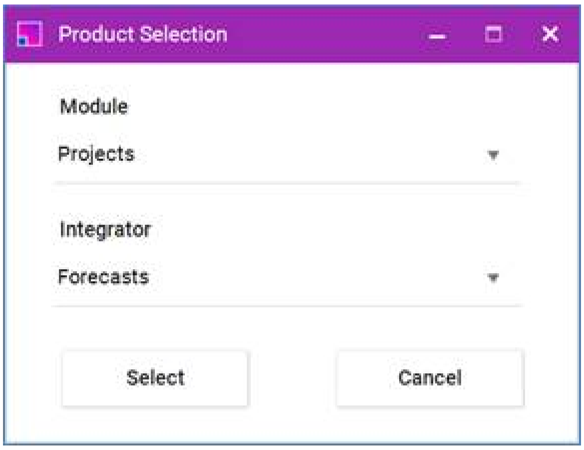
Each Amount Type/s with a ‘Yes’ value will generate a set of period column headings based on the number of periods on the Settings form.

4. Click on the ‘Save’ button

5. Select ‘Templates’ from the More4apps ribbon and select ‘Create New Sheet’.



6. Select 'Forecasts' from the list of Integrators and click 'Select'.



A Forecasts layout will be created based on the values on the Settings form.

Sections:

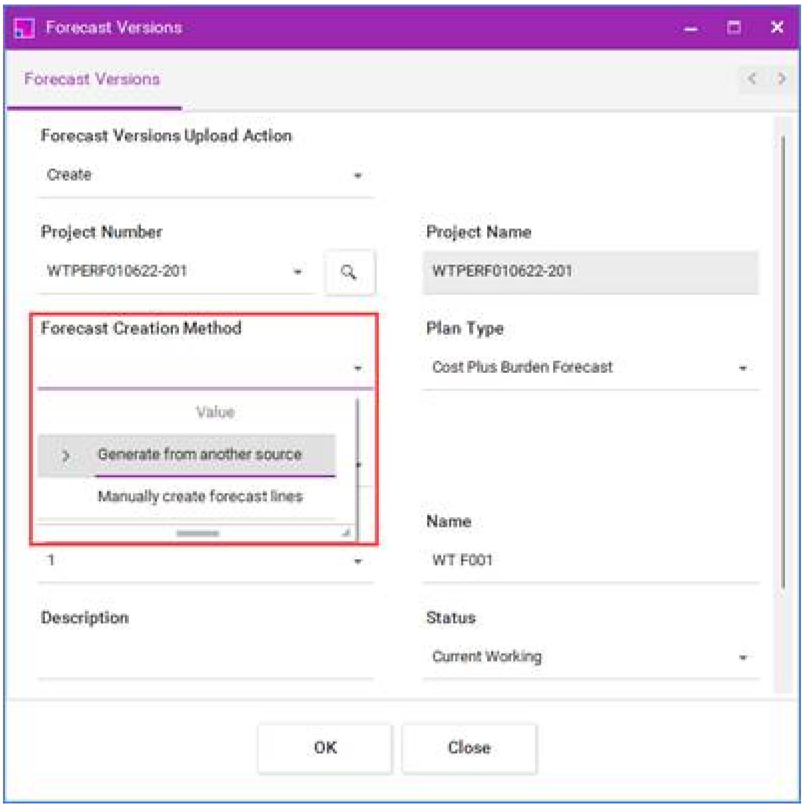
Create Forecasts

To create a new Forecast, the 'Forecasts Versions Upload Action' column value must contain 'Create'. Refer to the Uploading section for more information on how to upload the Create action. **Upload Action** columns can be populated with **Create or Create records.** Create records causes all related child components to default to the same action, while Create will only create that section.

When creating a new Forecast version, you **MUST** select the 'Forecast Creation Method'. There are two available:

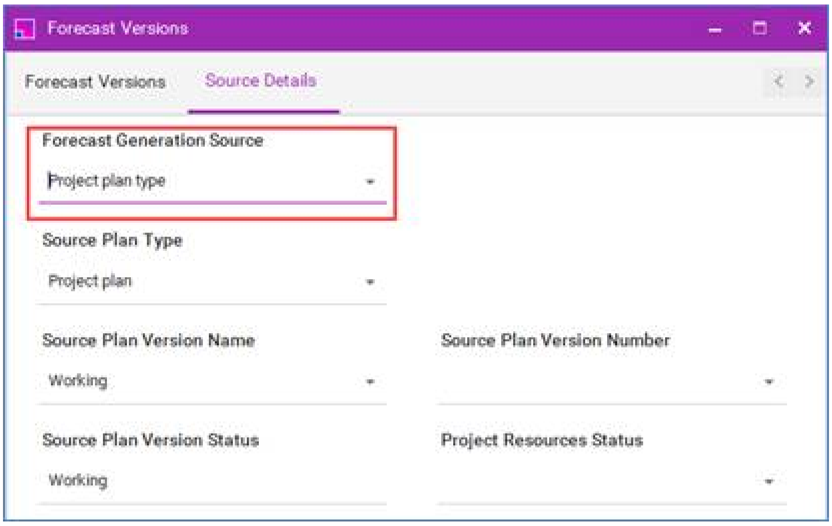
- Generate from another source
- Manually create forecast lines

Oracle hasn't provided a REST web service support for the 'Copy from another source' option.



Typically, forecast versions are generated from another source, therefore, you must enter 'Source Details' on the sheet.
You can select from three Forecast Generation Sources:

- Financial plan type
- Project plan type
- Project Resources



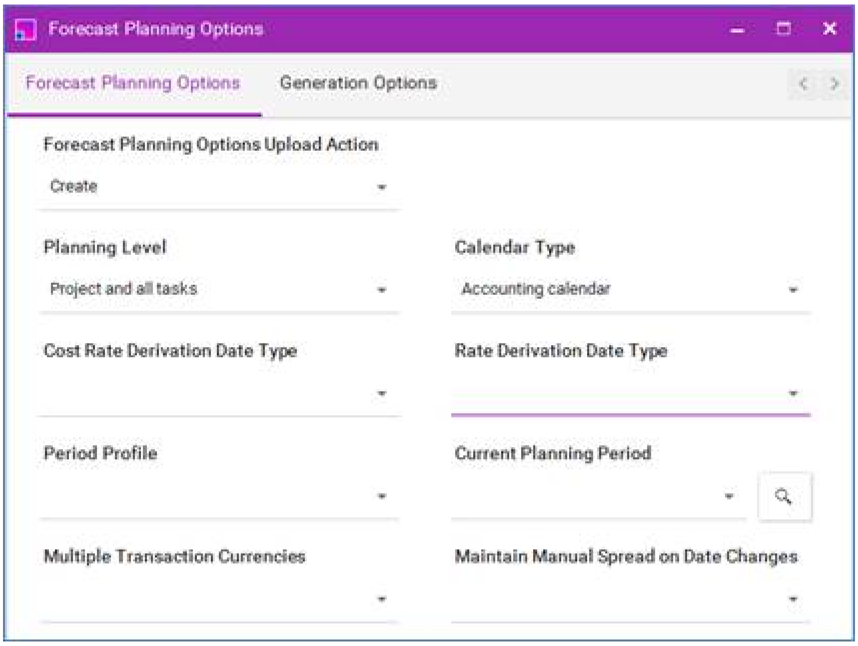
There are dependent values that must be entered depending on the Generation Source selected. Here are the dependencies:

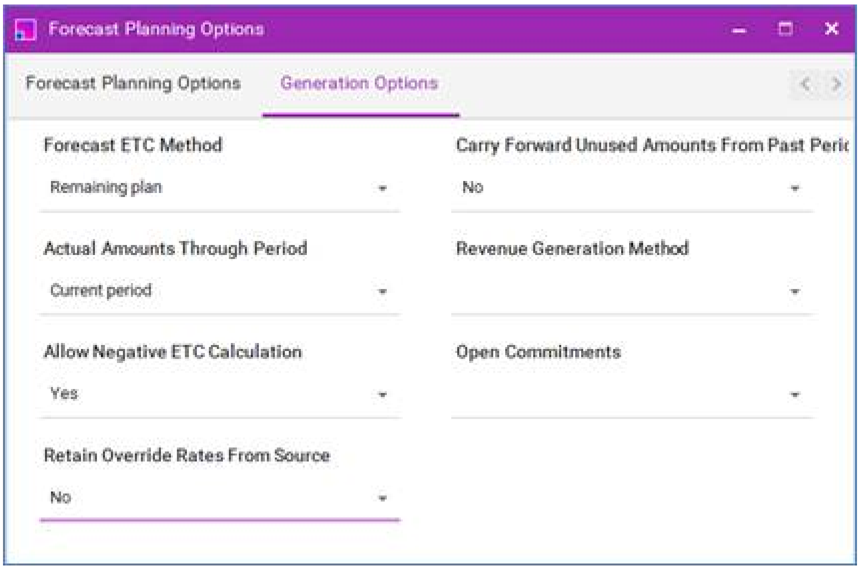
Forecast Generation Source	Source Plan Type	Source Plan Version Name	Source Plan Version Number	Source Plan Version Status	Project Resources Status
	Required				
Financial plan type	Yes	Yes	Only required if 'Source Plan Version Name' is a duplicate	No	No
Project plan type	Yes	Yes	Only required if 'Source Plan Version Name' is a duplicate	No	No
Project Resources	No	No	No	No	Yes

Forecast Planning Options

Forecast Planning Options are optional fields that you can enter when creating a new Forecast version. These are downloadable fields, but they cannot be updated once the Forecast version is created.

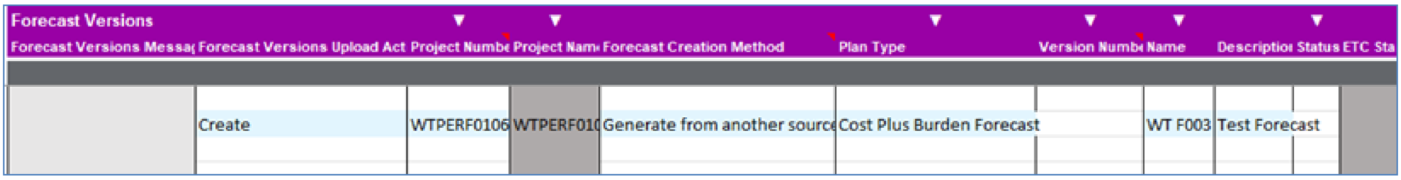
To avoid errors, make sure the values you enter for Planning Options are relevant to the Plan Type you have selected for the Forecast version.





Forecast Versions

In the Forecast Versions section, enter the Project Number, Forecast Creation Method, Plan Type and Name as a minimum to successfully create a new forecast.



Project Number

Project Number is a mandatory field.

Project Name

Project Name is an optional display-only column and is populated when the project number is validated.

Forecast Creation Method

Select from two available creation methods. This is required to create a Forecast. Definition of the Creation Methods:

- **Generate Forecast Versions from another source:**
    - Utilizes quantity from source plans and rates from target financial plan types.
    - ETC is always zero for unplanned resources in Forecast generation.
    - Allows spread retention and manual periodic spread maintenance.
    - Project resources can be used for budget and forecast costs.

- **Create Forecast Lines Manually:**
    - Recreates the task structure without quantities, rates, or amounts.
    - Dates are based on planned dates from tasks in the project plan.
    - Efficient creation by adding planning resources and a placeholder financial resource.
    - Allows editing of planning options inherited from the selected financial plan type.
    - Forecast generation process can be deferred for large task structures.

Plan Type

Name of the Financial Plan Type used to create the Forecast version. Select from the List of Values.

Planning Amounts
You can leave this field blank. However, you MUST select either Cost **or** Revenue when using a Financial Plan Type that allows the creation of cost and revenue versions separately.

Version Number
Leave this field blank and the number will be populated after a successful upload. This field cannot be edited and is used for Updates.

Name
Enter the name of the Forecast version. This is required to create a new Forecast.

Description
Enter the description of the Forecast version.

Status
This field displays the status of the Forecast version indicating where the Forecast is in the submission/baselining process. Leave this blank to have a status defaulted for a new Forecast.

Is Locked
The Is Locked field on the sheet indicates if the Forecast version is locked. A value of 'true' means that the Forecast version is locked and cannot be edited. A value of 'false' means that the Forecast version is not locked and can be edited. The default value while creating a project budget version is 'false'. You cannot set the value to 'true' when creating a new budget.

Locked By
Locked By is a display only field to show the name of the user who has locked the Forecast version.

Planning Resources

This section is not relevant when 'Forecast Creation Method' is 'Generate from another source' but if you want to create a Forecast manually, enter the Planning Resources information.

Planning Resources

Planning Resources Message	Planning Resources Upload Actio	Task Number	Task Name	Resource Name	Unit of Measur	Planning Start Date	Planning End Date
	Create	200	Task 200	Labor		1/10/2021	30/10/2025

When Planning Resources are successfully uploaded to Oracle, the 'Planning Resources Validation Status' will not be set to an 'Accepted' status. If the Planning Resources details are valid and the parent section Forecast Versions is valid, then the 'Planning Resources Validation Status' will remain 'Validated' and its parent section 'Forecast Versions Status' will have an 'Accepted' status returned.

Status					
Forecast Versions Status	Forecast Planning Options Validation Status	Refresh Actuals Status	Approve Status	Planning Resources Validation Status	Plan Lines Validation Status
Default Values					
Accepted				Validated	Validated
				Validated	
				Validated	
				Validated	

Task Number
Number of the Task to which a Planning Resource is assigned on a Forecast line.

Task Name
The Task Name is an optional display-only column and is populated when the Task number is validated.

Resource Name
The List of Values for Resource Name are determined by the Planning Resource Breakdown Structure selected in the Forecast Versions section. If no Planning Resource Breakdown Structure is selected, the List of Values will be derived from the RBS Primary Planning flag set as project level.

Unit of Measure
The unit, such as Hours, used to measure the work or effort planned for a resource. This is a display-only field. The value is defaulted from the Resource Name selected.

Planning Start Date
The start date of the Resource Assignment on the Task. If the field is left blank, the Task start date will be defaulted.

Planning End Date
The finish date of the Resource Assignment on the Task. If the field is left blank, the Task end date will be defaulted.

Plan Lines – non-phased

This section is not relevant when 'Forecast Creation Method' is 'Generate from another source' but if you want to create a Forecast manually, enter the Planning Lines information.

Plan Lines			Commitments Totals		Line Totals											
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Raw Cost Committed	Burdened Cost Committed	Quantity Actuals	Quantity ETC	Quantity EAC	Raw Cost Actuals	Raw Cost ETC	Raw Cost EAC	Burdened Cost Actuals	Burdened Cost ETC	Burdened Cost EAC	Revenue Actuals	Revenue ETC	Revenue EAC
	Create	USD				120	120		15360	15360		15360	15360		0	
	Create	USD				160	160		19520	19520		19520	19520		0	
	Create	USD				360	360		46080	46080		46080	46080		0	

When Plan Lines are successfully uploaded to Oracle, the 'Plan Lines Validation Status' will not be set to an 'Accepted' status. If the Plan Lines details are valid and the parent section Planning Resources is valid, then the 'Plan Lines Validation Status' will remain 'Validated' and its grandparent section 'Forecast Versions Status' will have an 'Accepted' status returned.

Status					
Forecast Versions Status	Forecast Planning Options Validation Status	Refresh Actuals Status	Approve Status	Planning Resources Validation Status	Plan Lines Validation Status
Default Values					
Accepted				Validated	Validated
				Validated	
				Validated	
				Validated	

Currency

Currency code for the Forecast lines must be entered for the Planning Resources and Plan Lines sections to successfully upload.

Each Amount Type at the summary level will have three Forecast identifiers:

- Actuals
- ETC
- EAC (this is the only amount that can be edited at the summary level)

The Amount Types that are displayed on the sheet are determined by the options on the Settings Form.

Plan Lines			Commitments Totals		Line Totals											
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Raw Cost Committed	Burdened Cost Committed	Quantity Actuals	Quantity ETC	Quantity EAC	Raw Cost Actuals	Raw Cost ETC	Raw Cost EAC	Burdened Cost Actuals	Burdened Cost ETC	Burdened Cost EAC	Revenue Actuals	Revenue ETC	Revenue EAC
	Create	USD				120	120		15360	15360		15360	15360		0	
	Create	USD				160	160		19520	19520		19520	19520		0	
	Create	USD				360	360		46080	46080		46080	46080		0	

If you enter the EAC value at the summary level, the amount will be distributed across the periods based on the spread curve rule used to create the Forecast.

Quantity EAC

Measure of the total effort planned for in the Forecast version Resource Assignment.

Raw Cost EAC

Measure of the total expenses in currency planned for in the Forecast version Resource Assignment.

Burdened Cost EAC

Measure of the total expenses in the planned currency, covering both raw and additional costs in the Forecast version Resource Assignment.

Revenue EAC

Measure of the expected revenue in the planned currency acknowledged upon task completion for the forecasted Resource Assignment.

Plan Lines – Period-Phased

Plan Lines for Period-Phased Forecast will have the Currency column and Line Totals for Amount Types with a set of summary values for Actuals, ETC and EAC. When the Settings form is used to generate the sheet, selected Amount Types with their own set of Periods will appear. Selected Amount Types will also appear in the Line Totals section. In the example below, Amount Type 'Quanty' and 'Raw Cost' are selected from the Settings form to appear on the sheet with 6 periods.

Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Raw Cost Committed	Burdened Cost Committed
		USD		
		USD		
		USD		
		USD		
		USD		
		USD		
		USD		
		USD		

Quantity Actuals	Quantity ETC	Quantity EAC	Raw Cost Actuals	Raw Cost ETC	Raw Cost EAC
				118885	118885
			1602452.2	0	1602452.2
	5000	5000		500000	500000
			50070	594486	644556
			50068	35379	85447
	54000	54000		2700000	2700000
			9591.6	500000	509591.6
	15000	15000		1440000	1440000

Quantity 12-23	Quantity 01-24	Quantity 02-24	Quantity 03-24	Quantity 04-24	Quantity 05-24	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-24	Raw Cost 03-24	Raw Cost 04-24	Raw Cost 05-24
							5555	6666	7777	88888	9999
	501.618123	501.618123	501.618123	501.618123	501.618123		50161.8123	50161.8123	50161.8123	50161.8123	50161.8123
							59640.99029	59640.99029	59640.99029	59640.99029	59640.99029
							3549.349515	3549.349515	3549.349515	3549.349515	3549.349515
	5417.47573	5417.47573	5417.47573	5417.47573	5417.47573		270873.7864	270873.7864	270873.7864	270873.7864	270873.7864
							50161.8123	50161.8123	50161.8123	50161.8123	50161.8123
	1000	2000	3000	4000	5000		96000	192000	288000	384000	480000

If the period values are entered, the Integrator will only upload these values. Even if an EAC amount is entered at the Line Totals level, it will be ignored if there are period values in the same row.

If no EAC values are present for the periods listed on the sheet, the EAC amount entered at the Line Totals section will be applied according to the spread curve rules defined in the default planning options.

When Plan Lines are successfully uploaded to Oracle, the 'Plan Lines Validation Status' will not be set to an 'Accepted' status. If the Plan Lines details are valid and the parent section Planning Resources is valid, then the 'Plan Lines Validation Status' will remain 'Validated' and its grandparent section 'Forecast Versions Status' will have an 'Accepted' status returned.

Status					
Forecast Versions Status	Forecast Planning Options Validation Status	Refresh Actuals Status	Approve Status	Planning Resources Validation Status	Plan Lines Validation Status
Default Values					
Accepted				Validated	Validated
				Validated	
				Validated	
				Validated	

Sections:
Settings Form
Approve
Download Forecasts
Update Forecasts
Delete Forecasts
Limitations

Approve

You can approve a new Forecast version with the status 'Current Approved'. When you create this, a Working forecast version will not be created. If it is the first approval version created, the status will be 'Current and Original Approved'.

Forecast Versions Status	Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Project Name	Forecast Creation Method	Forecast Ge	Plan Type	Planning /	Version N	Name	Description	Status
Default Values												
		First Forecast creation										
Accepted		Create	WTPERF010622-117	WTPERF0106	Manually create forecast lines		Primary Cost Forec		1	WTF001		Current Approved
		Downloaded with changes										
			0622-117	WTPERF010622-117			Primary C	COST	1	WTF001		Current and Original Approved

Moving the Original Approved flag to another Approved version
Updating Approved versions is restricted, except for altering the Status. You can only transfer the Original Approved flag from one version to another using the 'Original Approved' status. Refer to the example below for clarification.

Status	Forecast Versions											
Forecast Versions Status	Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Project Name	Forecast Creation Method	Forecast Ge	Plan Type	Planning /	Version N	Name	Description	Status
Default Values												
		Original downloaded										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Previous and Original Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Current Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	3	Versi	Benchmark	Current Working
		Updated version 2										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Previous and Original Approved
Accepted		Update	WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Original Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	3	Versi	Benchmark	Current Working
		Downloaded with changes										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Previous Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Current and Original Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	3	Versi	Benchmark	Current Working

Submit to Approve

You can transition a budget from its 'Current Working' version to its 'Current Approved' version by updating its status to 'Approved'. See example below. In the example, there's an existing version 2 with a status of 'Current Working'. When its status is changed to 'Approved', version 2 becomes the 'Current Approved'. Additionally, a new version, version 3, is generated with the status 'Current Working'.

Status	Forecast Versions											
Forecast Versions Status	Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Project Name	Forecast Creation Method	Forecast Ge	Plan Type	Planning /	Version N	Name	Description	Status
Default Values												
		Original downloaded										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Current and Original Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Current Working
		Updated version 2										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Current and Original Approved
Accepted		Update	WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Approved
		Downloaded with changes										
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	1	F1302	Benchmark	Previous and Original Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	2	Versi	Benchmark	Current Approved
			WTPERF010622-222	WTPERF010622-222			Primary C	COST	3	Versi	Benchmark	Current Working

Sections:

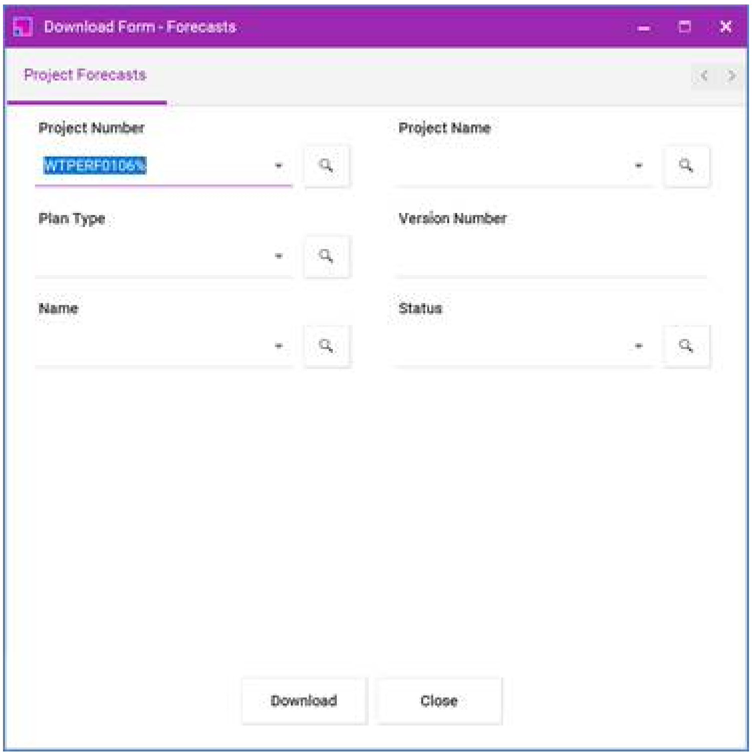
[Settings Form](#)
[Create Forecasts](#)
[Download Forecasts](#)
[Update Forecasts](#)
[Delete Forecasts](#)
[Limitations](#)

Download Forecasts

There are two ways to download Forecasts from Oracle using the Integrator. More information about downloading can be found here.

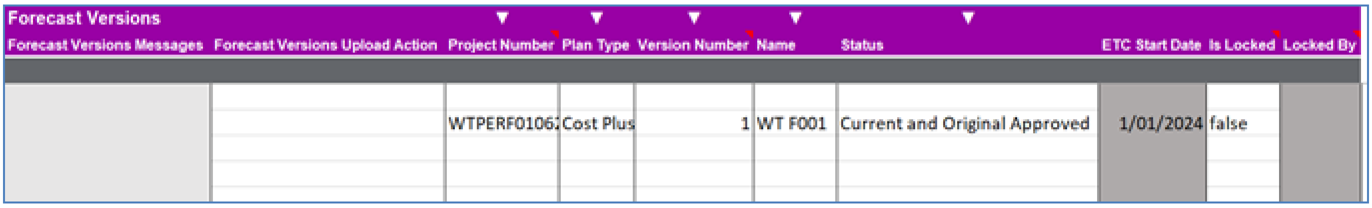
Download via Form

The Download Form will be displayed when the 'Download via Form' is selected from the ribbon. Here, you can enter values into the available fields to set the download criteria. Click the 'Download' button to download data onto the sheet. Data Form allows you to search for valid values to be used in the search.



Download via Sheet

When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the Download via Sheet option. Also note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.



Sections:

Settings Form
Create Forecasts
Approve
Update Forecasts
Delete Forecasts
Limitations

Update Forecasts

Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing Forecasts, More4apps recommends downloading the Forecasts to the worksheet. You can restrict the download parameters to narrow down the search results.

You must have the columns **Project Number, Plan Type,** and **Version Number** in the Forecast Version section for the Update to be successful**.**

Forecast Versions									
Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status	ETC Start Date	Is Locked	Locked By
	Update	WTPERF010622-201	Cost Plus	2	Version 2	Current Working	1/01/2024	false	

Note: When updating the column ‘Is Locked’, Excel automatically converts manually entered values ‘true’ and ‘false’ to ‘TRUE’ and ‘FALSE’. The capital letters will be rejected by the web service on Upload. Either select the ‘true’ or ‘false’ values using the Data Form or enter an apostrophe at the beginning of the word if you are entering the value manually into the cell (e.g., ‘true).

When updating, Forecast Versions (Header) Upload Action mode should **always** have ‘Update’ against it to update the header and lines.

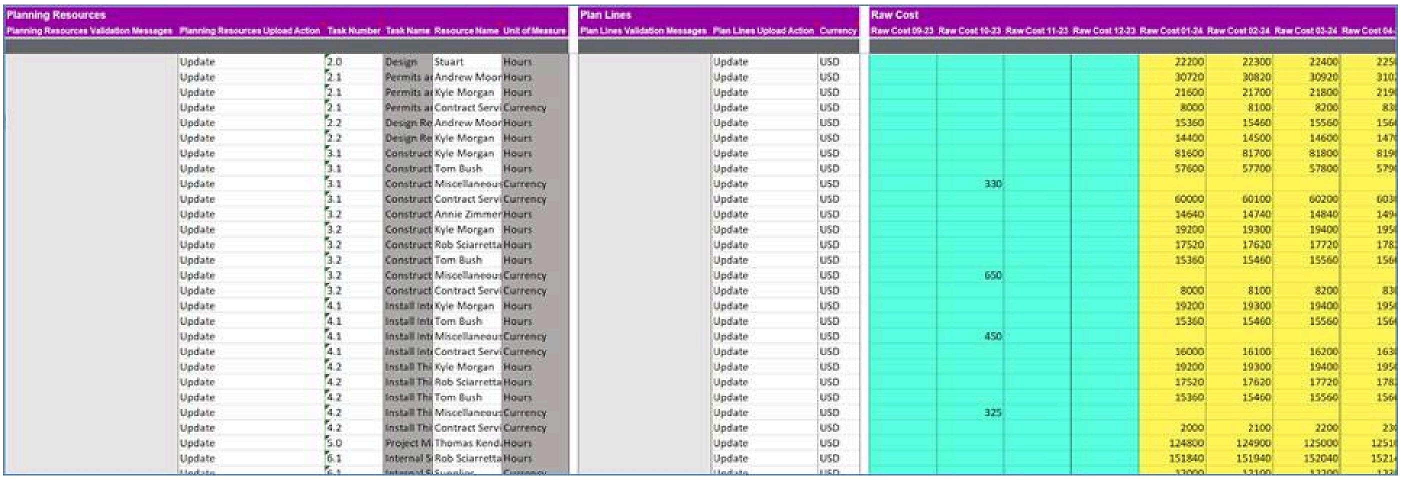
The 'ETC Start Date' column, which is a read-only and download-only column, is very important when updating EAC values. Any values on the sheet corresponding to periods prior to the 'ETC Start Date' will be disregarded, as these periods might already have Actuals recorded. Only the periods from the 'ETC Start Date' onwards are eligible for entering or modifying EAC values.

Forecast Versions									
Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status	ETC Start Date	Is Locked	Locked By
	Update	WTPERF010622-201	Cost Plus	2	Version 2	Current Working	1/01/2024	false	

Example below shows the periods highlighted in yellow where EAC values can be entered. These periods are on or after the ETC Start Date of 1-JAN-2024.
The periods highlighted in green shows where EAC values **cannot** be entered as these periods may contain Actuals values. If you enter values into these periods, they will be ignored when you upload the changes to Oracle.

When you’re making changes to EAC values, the following sections must have the upload action of ‘Update’:

- Forecast Versions
- Planning Resources
- Plan Lines



Planning Resources						Plan Lines			Raw Cost							
Planning Resources Validation Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Raw Cost 09-23	Raw Cost 10-23	Raw Cost 11-23	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-24	Raw Cost 03-24	Raw Cost 04-
	Update	2.0	Design	Stuart	Hours		Update	USD					22200	22300	22400	225
	Update	2.1	Permits ar	Andrew Moor	Hours		Update	USD					30720	30820	30920	310
	Update	2.1	Permits ar	Kyle Morgan	Hours		Update	USD					21600	21700	21800	219
	Update	2.1	Permits ar	Contract Servi	Currency		Update	USD					8000	8100	8200	83
	Update	2.2	Design Re	Andrew Moor	Hours		Update	USD					15360	15460	15560	156
	Update	2.2	Design Re	Kyle Morgan	Hours		Update	USD					14400	14500	14600	147
	Update	3.1	Construct	Kyle Morgan	Hours		Update	USD					81600	81700	81800	819
	Update	3.1	Construct	Tom Bush	Hours		Update	USD					57600	57700	57800	579
	Update	3.1	Construct	Miscellaneous	Currency		Update	USD		330						
	Update	3.1	Construct	Contract Servi	Currency		Update	USD					60000	60100	60200	603
	Update	3.2	Construct	Annie Zimmer	Hours		Update	USD					14640	14740	14840	149
	Update	3.2	Construct	Kyle Morgan	Hours		Update	USD					19200	19300	19400	195
	Update	3.2	Construct	Rob Sciarretta	Hours		Update	USD					17520	17620	17720	178
	Update	3.2	Construct	Tom Bush	Hours		Update	USD					15360	15460	15560	156
	Update	3.2	Construct	Miscellaneous	Currency		Update	USD		650						
	Update	3.2	Construct	Contract Servi	Currency		Update	USD					8000	8100	8200	83
	Update	4.1	Install Int	Kyle Morgan	Hours		Update	USD					19200	19300	19400	195
	Update	4.1	Install Int	Tom Bush	Hours		Update	USD					15360	15460	15560	156
	Update	4.1	Install Int	Miscellaneous	Currency		Update	USD		450						
	Update	4.1	Install Int	Contract Servi	Currency		Update	USD					16000	16100	16200	163
	Update	4.2	Install Thi	Kyle Morgan	Hours		Update	USD					19200	19300	19400	195
	Update	4.2	Install Thi	Rob Sciarretta	Hours		Update	USD					17520	17620	17720	178
	Update	4.2	Install Thi	Tom Bush	Hours		Update	USD					15360	15460	15560	156
	Update	4.2	Install Thi	Miscellaneous	Currency		Update	USD		325						
	Update	4.2	Install Thi	Contract Servi	Currency		Update	USD					2000	2100	2200	23
	Update	5.0	Project M	Thomas Kend	Hours		Update	USD					124800	124900	125000	1251
	Update	6.1	Internal S	Rob Sciarretta	Hours		Update	USD					151840	151940	152040	1521

Forecast Versions Update

Only the values below can be updated in the Forecast Versions section:

- Name
- Description
- Status (the next allowable status for the Forecast must be valid)
- Is Locked

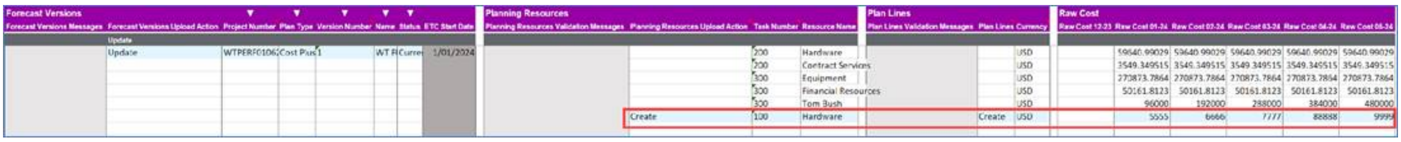
When you are updating the Status of a Forecast version, make sure that the next allowable status is a valid status for the Forecast. Oracle will return an error if you attempt to update the status with an incorrect status in the budget status hierarchy.

Adding Planning Resources and Plan Lines

To create new lines in an existing Forecast, the following sections must have the upload action of 'Create':

- Planning Resources
- Plan Lines

The Forecast Version Upload Action column must contain 'Update'.

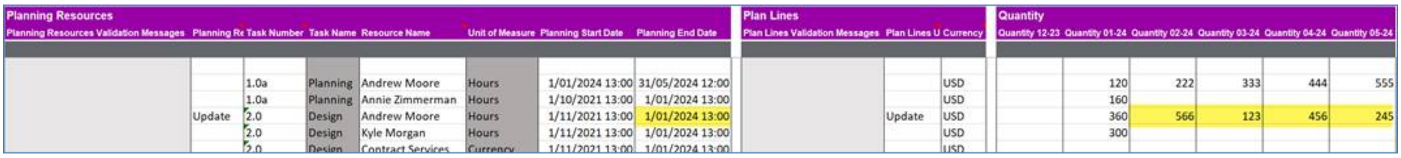


Forecast Versions								Planning Resources				Plan Lines			Raw Cost					
Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Plan Type	Version Number	Name	Status	ETC Start Date	Planning Resources Validation Messages	Planning Resources Upload Action	Task Number	Resource Name	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-24	Raw Cost 03-24	Raw Cost 04-24	Raw Cost 05-24
	Update																			
	Update	WTPERF0106	Cost Plus	1	WT F	Curre	1/01/2024			200	Hardware			USD		59640.99029	59640.99029	59640.99029	59640.99029	59640.99029
										200	Contract Services			USD		3549.349515	3549.349515	3549.349515	3549.349515	3549.349515
										300	Equipment			USD		270873.7864	270873.7864	270873.7864	270873.7864	270873.7864
										300	Financial Resources			USD		50161.8123	50161.8123	50161.8123	50161.8123	50161.8123
										300	Tom Bush			USD		96000	192000	288000	384000	480000
									Create	100	Hardware		Create	USD		5555	6666	7777	88888	9999

Extending Planning End Dates

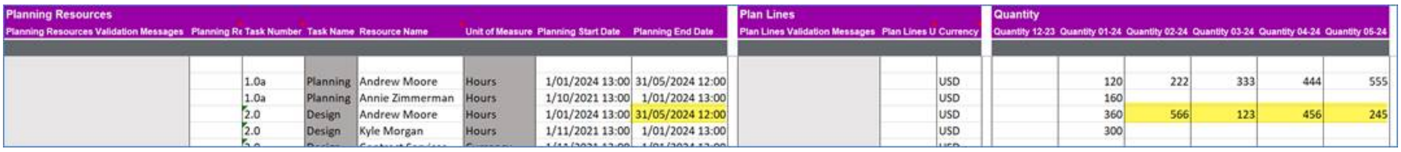
The example below demonstrates how to extend the resource 'Planning End Date' by entering EAC values for future periods.

Andrew Moore's current Planning End Date is set for 01/01/2024, and his EAC values are recorded only up to period 01-24. To extend the 'Planning End Date' for Andrew, you can simply enter EAC values for subsequent periods and then upload them. For Andrew Moore, EAC values have been added up to period 05-24.



Planning Resources Validation Messages	Planning Re	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date	Plan Lines Validation Messages	Plan Lines U	Currency	Quantity 12-23	Quantity 01-24	Quantity 02-24	Quantity 03-24	Quantity 04-24	Quantity 05-24
		1.0a	Planning	Andrew Moore	Hours	1/01/2024 13:00	31/05/2024 12:00			USD		120	222	333	444	555
		1.0a	Planning	Annie Zimmerman	Hours	1/10/2021 13:00	1/01/2024 13:00			USD		160				
	Update	2.0	Design	Andrew Moore	Hours	1/11/2021 13:00	1/01/2024 13:00		Update	USD		360	566	123	456	245
		2.0	Design	Kyle Morgan	Hours	1/11/2021 13:00	1/01/2024 13:00			USD		300				
		2.0	Design	Contract Services	Currency	1/11/2021 13:00	1/01/2024 13:00			USD						

Upon downloading the updated Forecast version for review, you can see that Andrew Moore's ‘Planning End Date’ has been shifted to 31/05/2024, accompanied by EAC values entered up to 05-24.



Planning Resources Validation Messages	Planning Re	Task Number	Task Name	Resource Name	Unit of Measure	Planning Start Date	Planning End Date	Plan Lines Validation Messages	Plan Lines U	Currency	Quantity 12-23	Quantity 01-24	Quantity 02-24	Quantity 03-24	Quantity 04-24	Quantity 05-24
		1.0a	Planning	Andrew Moore	Hours	1/01/2024 13:00	31/05/2024 12:00			USD		120	222	333	444	555
		1.0a	Planning	Annie Zimmerman	Hours	1/10/2021 13:00	1/01/2024 13:00			USD		160				
		2.0	Design	Andrew Moore	Hours	1/01/2024 13:00	31/05/2024 12:00			USD		360	566	123	456	245
		2.0	Design	Kyle Morgan	Hours	1/11/2021 13:00	1/01/2024 13:00			USD		300				

To Clear/Delete periods values

If you want to clear / delete a period value from a plan line, you cannot enter **[CLEAR]** in the cell to do this (highlighted red in the example screenshot below). Instead, please enter the value **‘0’** to clear out the existing value (highlighted green in the example screenshot below).

Budget Versions Messages	Budget Versions	Project Number	Plan Type	Planning Amounts	Version Name	Description	Status		Planning Resour	Planning Res	Task Number	Resource Name	Plan Lines Va	Plan Lines	Currency	Raw Cost	Raw Cost 10-23	Raw Cost 11-23	Raw Cost 12-23	Raw Cost 01-24	Raw Cost 02-24
	Update	WTPERF150224	Approved	COST	3	B2600	Budgets be	Current Working		Update	1000	Expenses		Update	USD	8436	111	[CLEAR]	333	444	555
										Update	1001	Services		Update	USD	8658	111	222	0	444	555
											1002	Technology			USD	8658	111	222	333	444	555
											1003	Hotel			USD	8658	111	222	333	444	555
											1004	Airfare			USD	8658	111	222	333	444	555
											1005	Supplies			USD	8658	111	222	333	444	555
											1006	Meals			USD	8658	111	222	333	444	555

1. Navigate to the plan line from which you want to remove a period value.
2. Locate the period value that you wish to clear out or delete.
3. Instead of using the [CLEAR] command, input the value '0' in place of the existing period value.
4. Upload the change to ensure that the period value has been successfully cleared out.

Sections:

Settings Form
Create Forecasts
Approve
Download Forecasts
Delete Forecasts
Limitations

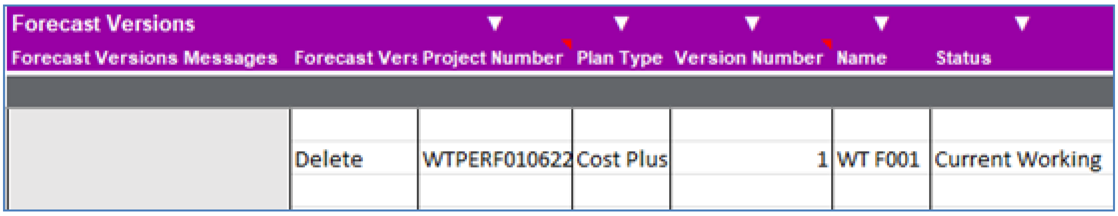
Delete Forecasts

Only Forecast versions that are not **approved** can be deleted.

Refer to the Uploading section for more information on how to upload the ‘Delete’ action.

To Delete existing Forecasts, More4apps recommends downloading the specific Project, Plan Type, and Plan Version Number you want deleted to the sheet.

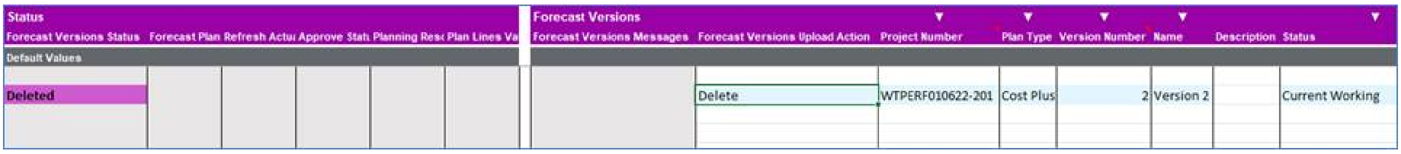
To delete a Forecast Version, the ‘Forecast Versions Upload Action’ must have the ‘Delete’ action. Delete is only available at the header section so when you delete at the Forecast Versions level, the entire Forecast including Planning Resources and Plan Lines will be deleted.



Forecast Versions						
Forecast Versions Messages	Forecast Vers	Project Number	Plan Type	Version Number	Name	Status
	Delete	WTPERF010622	Cost Plus	1	WT F001	Current Working

Once the desired Forecasts are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status is returned to the sheet for Forecast Versions once they are successfully deleted from Oracle.



Status					Forecast Versions							
Forecast Versions Status	Forecast Plan Refresh Actu	Approve Stat	Planning Res	Plan Lines Va	Forecast Versions Messages	Forecast Versions Upload Action	Project Number	Plan Type	Version Number	Name	Description	Status
Default Values												
Deleted						Delete	WTPERF010622-201	Cost Plus	2	Version 2		Current Working

Planning Resources and Plan Lines cannot be deleted individually.

Sections:
Settings Form
Create Forecasts
Approve
Download Forecasts
Update Forecasts
Limitations

Limitations

- Delete upload action is only available at header. Cannot delete Planning Resource or Plan Lines.
- Forecast Creation Method ‘Copy from Another Source’ not supported due to REST web services not supporting this method.
- Possible performance implications if updating thousands of lines. This depends on many factors. User may need to limit the number of lines being uploaded at once in order to avoid timeouts.
- When updating Plan Lines and Planning Period Amounts, upload action must be entered into all parent sections (Header and Planning Resources). We recommend using the default row for the parent sections with the upload action of ‘Update’.
- Only 100 lines (Planning Resources) per Forecast will be downloaded. This is a bug in the Oracle REST web services and Oracle Support have said the fix will be applied in 24C.

Sections:
Settings Form
Create Forecasts
Approve
Download Forecasts

Update Forecasts
Delete Forecasts

Award Budgets Integrator

The Award Budgets Integrator can be used to view, create, update and delete Award budgets that are in the Grants Management module. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

The Award Budgets Integrator will use the default values for these attributes on an Award Project to manage budgets:

- Calendar type: A calendar type of ‘Award Calendar’ will be used for Award Budgets.
- Budget creation method: Only the budget creation method of ‘Manual’ is supported in the Integrator.
- Planning resources: Only the assigned planning resources to the planning level that you selected in the project, which is either the project level or task level will be used to create an Award Budget.

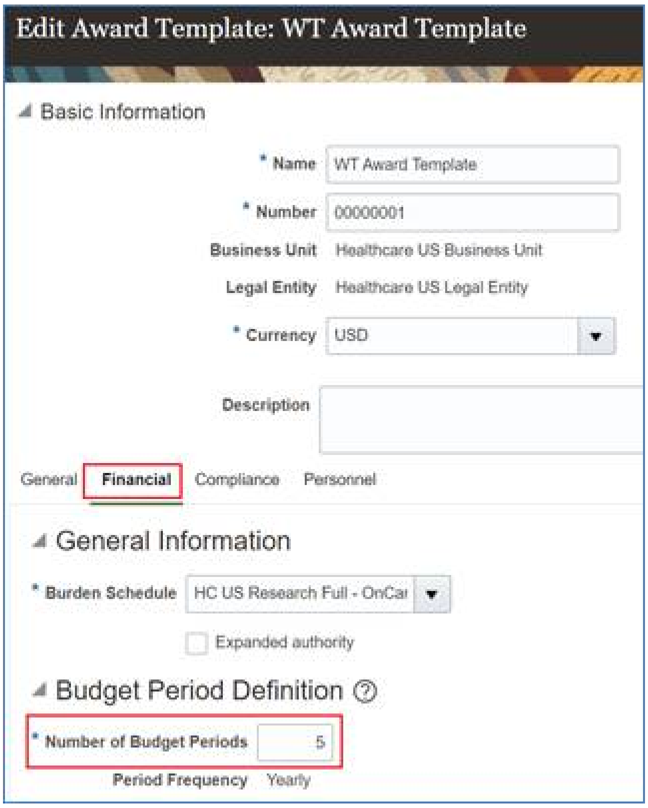
The Integrator cannot be used to set Planning Options when creating a new budget. Default Planning Options associated with an Award Project will be used.

If you want to create a budget with Planning Options that are different to the default Planning Options, we suggest that you create the budget version in Oracle first and then use the Integrator to download the budget to add Planning Resources and Plan Lines.

Sections:
Create Award Budgets
Download Existing Award Budgets
Update Award Budgets
Delete Award Budgets

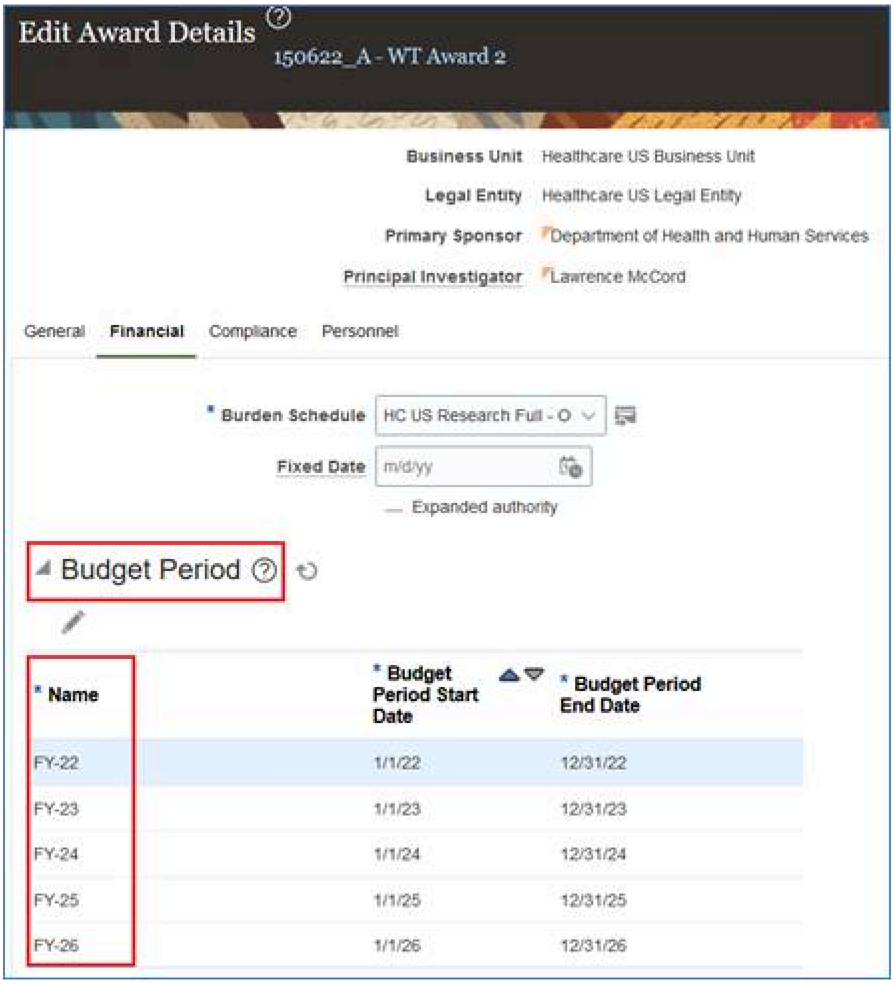
Create Award Budgets

Periods for award project budgets come from the budget periods defined for the specific award in Oracle Fusion Grants Management.



Award project budgets don't use the project accounting calendar, accounting calendar or accounting periods.

Become familiar with the format of the budget periods defined for the awards you want to work with on the sheet. The format can be found by navigating to an Award Financial tab under the Budget Period list. In the example award below, the format of the award project budget period is **FY-YY.**

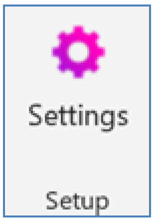


Knowing the correct award budget period format is essential to generating the award budget sheet.

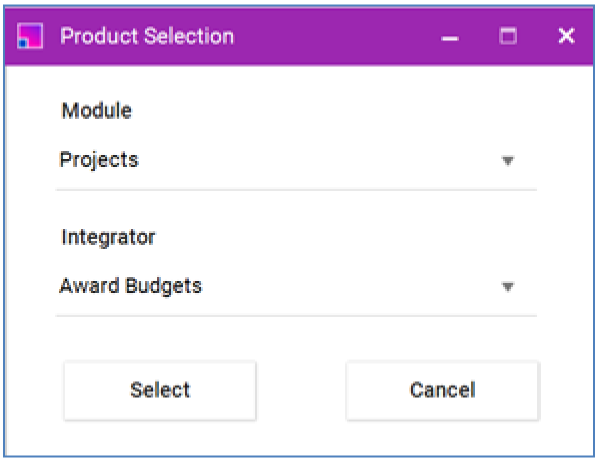
Settings Form

Before you can create an award budget, you need to complete the settings form for the **Award Budgets** Integrator. The settings values will generate a layout for the budget sheet. Follow the instructions below to complete the Settings form:

1. Click on the 'Settings' icon the menu bar to launch the Settings form.

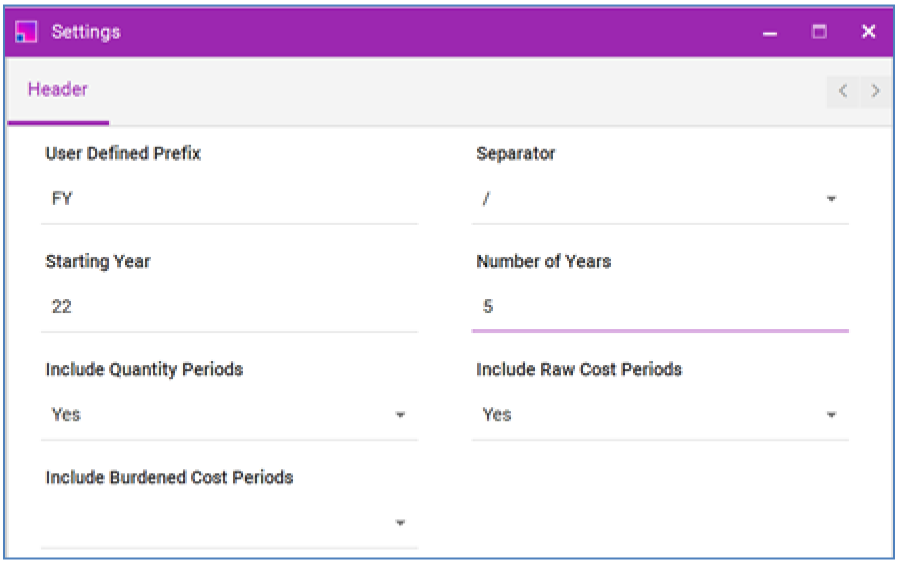


2. Select 'Award Budgets' from the list of Integrators and click 'Select'.

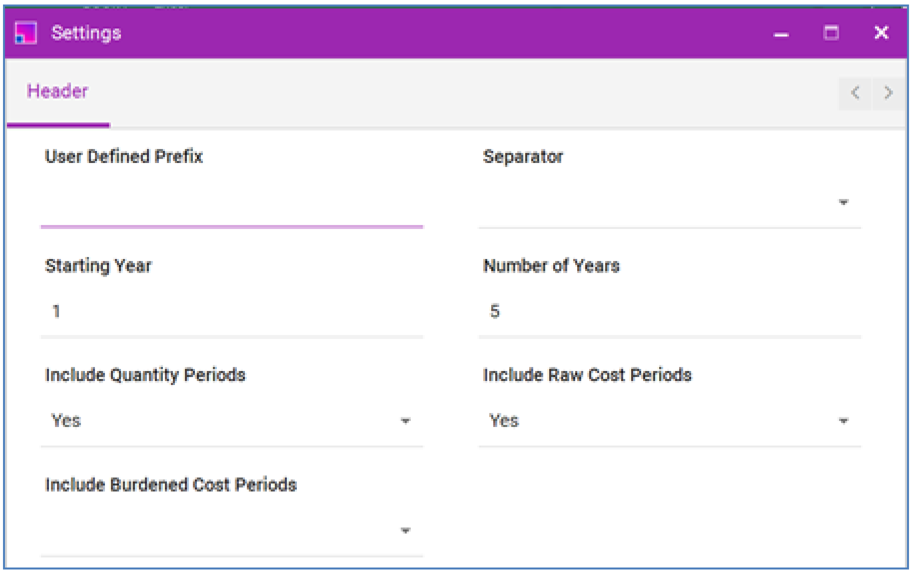


3. Complete the fields on the form.

The following values on the Settings form will generate a sheet with period values **FY-22, FY-23, FY-24, FY-25, FY-26** for **Quantity** and **Raw Cost**.



The following values on the Settings form will generate a sheet with period values **1, 2, 3, 4, 5** for **Quantity** and **Raw Cost**.



User Defined Prefix: Enter a prefix (e.g., FY, FinYr, EOY, etc) if the budget period format uses a prefix. If not, leave this blank.

Separator: Enter a separator (e.g., “/” or “-“) if the budget period format uses a separator. If not, leave this blank.

Starting Period (mandatory): You must specify the first period of your budget in the correct format of your periods (e.g., 2022 or 22 or 1). If you want to cover periods of multiple awards on the sheet, make sure the starting period covers the earliest year of the award on the sheet. The period format of all the awards on the sheet must have the same budget period format (e.g. FY-2022).

Number of Periods: Enter the number of periods you want generated on the sheet. You may want to budget multiple awards on the same sheet. If you want to cover periods of multiple awards on the sheet, make sure the number of periods you enter cover the range of dates for the awards.

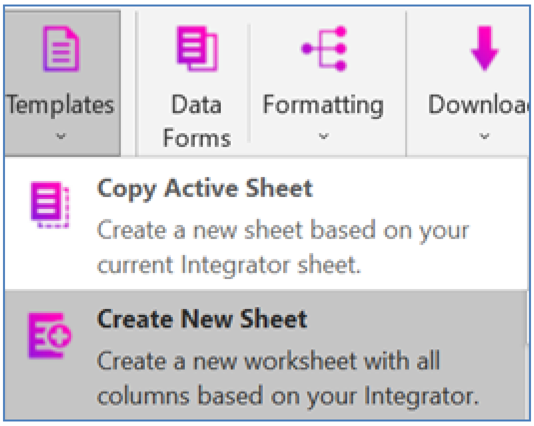
The following Amount Type fields have the option to select a ‘Yes’ value:

a. ‘Include Quantity Periods’
b. ‘Include Raw Cost Periods’
c. ‘Include Burdened Cost Periods’

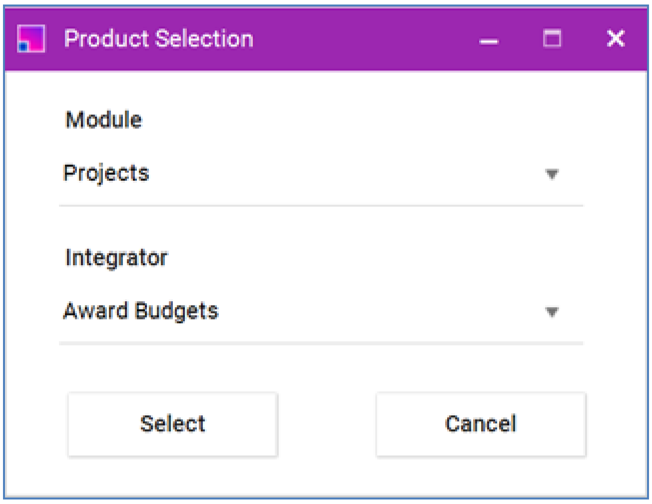
Each Amount Type/s with a ‘Yes’ value will generate a set of period column headings based on the number of periods on the Settings form.

4. Click on the ‘Save’ button

5. Select ‘Templates’ from the More4apps ribbon and select ‘Create New Sheet’.



6. Select 'Award Budgets' from the list of Integrators and click 'Select'.



A period-phased award budgets layout will be created based on the values on the Settings form.

Award Budgets has three main sections in the Integrator:

- Award Budget Versions
- Planning Resources
- Plan Lines with Amount Types and Periods

Award Budget Versions is the header section of the Budget. Planning Resources and Plan Lines with Amount Types and Periods are its child sections. The child sections cannot be created without a valid header section. To create a complete Budget, the 'Award Budget Versions Upload Action', 'Planning Resources Upload Action', and 'Plan Lines Upload Action' column values must contain 'Create' on each row. Please refer to the Uploading section for more information on how to upload the Create action.

This section describes the key fields available from each of the sections in the Integrator.

Award Budget Versions
In the Award Budget Versions section, enter the Award Number, Plan Type and Name as a minimum to successfully create a budget.
Upload Action columns can be populated with an **Create or Create records.** Create records causing all related child components to default to the same action, while Create will only create that section.

Award Budget Versions

Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status	Is Locked	Locke
	Create	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget		WT Test 2		Current Working	false	

Award Number
Award Number is required to create an Award Budget.

Project Number
Project Number associated with an Award.

Plan Type
Name of the financial plan type used to create the budget version. Select from the List of Values.

Version Number
The number of the budget version. Leave this field blank and the number will be populated after a successful upload. This field cannot be edited.

Name
Enter the name of the budget version. This is required to create a new budget.

Description
Enter the description of the award budget version.

Status
This field displays the status of the award budget version indicating where the budget is in the submission/ baselining process. If this field is left blank, the status will be defaulted to ‘Current Working’ for a new budget.

Is Locked
The Is Locked field on the sheet indicates if the project budget version is locked. A value of ‘true’ means that the budget version is locked and cannot be edited. A value of ‘false’ means that the budget version is not locked and can be edited. The default value while creating a project budget version is ‘false’. You cannot set the value to ‘true’ when creating a new budget.

Locked By
Locked By is a display only field to show the name of the user who has locked the project budget version.

Planning Resources

Planning Resources

Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Funding Source
	Create	1.0	Data Colle	Books and Pu	DOLLARS	Department of Health and Human Services
	Create	3.0	Publicatio	Books and Pu	DOLLARS	Department of Health and Human Services
	Create	2.0	Analysis	Books and Pu	DOLLARS	Research Portfolio Funding
	Create	HC1007	Pandemic	Airfare	DOLLARS	Research Portfolio Funding
	Create	HC1007	Pandemic	Taxi	DOLLARS	Research Portfolio Funding

Task Number
Number of the task to which a planning resource is assigned on a budget line.

Task Name
The Task Name is an optional display-only column and is populated when the task number is validated.

Resource Name
The List of Values for Resource Name are determined by the Primary Planning Resource Breakdown Structure against the project associated with an award.

Unit of Measure
The unit, such as Hours, used to measure the work or effort planned for a resource. This is a display-only field. The value is defaulted from the Resource Name selected.

Funding Source
Select a funding source for the award budget line. This is a required field.

Plan Lines

Plan Lines		
Plan Lines Validation Message	Plan Lines Upload Actior	Currency
	Create	USD

Plan Lines for Award Budgets will only have the Currency column to upload. Plan Lines are associated with Amount Types and Periods. When the Settings form is used to generate the sheet, selected Amount Types with their own set of Periods will appear. In the example below, Amount Types 'Quantity' and 'Raw Cost' are selected from the Settings form to appear on the sheet with 5 periods for each Amount Type (Quantity and Raw Cost). The Starting Period Format in the example below is **1.**
Depending on the Unit of Measure against a resource, you need to enter a period amount for the correct Amount Type.

Planning Resources						
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Funding Source
	Create	1.0	Data Colle	Books and Pu	DOLLARS	Department of Health and Human Services
	Create	3.0	Publicatio	Books and Pu	DOLLARS	Department of Health and Human Services
	Create	2.0	Analysis	Books and Pu	DOLLARS	Research Portfolio Funding
	Create	HC1007	Pandemic	Airfare	DOLLARS	Research Portfolio Funding
	Create	HC1007	Pandemic	Taxi	DOLLARS	Research Portfolio Funding
	Create	3.0	Publicatio	Staff Salaries	HOURS	Research Portfolio Funding

Plan Lines			Quantity					Raw Cost				
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity 1	Quantity 2	Quantity 3	Quantity 4	Quantity 5	Raw Cost 1	Raw Cost 2	Raw Cost 3	Raw Cost 4	Raw Cost 5
	Create	USD						1000	2000	3000		
	Create	USD						1000	2000	3000		
	Create	USD						1000	2000	3000		
	Create	USD						1000	2000	3000		
	Create	USD						1000	2000	3000		
	Create	USD	50	60	70	80	90					

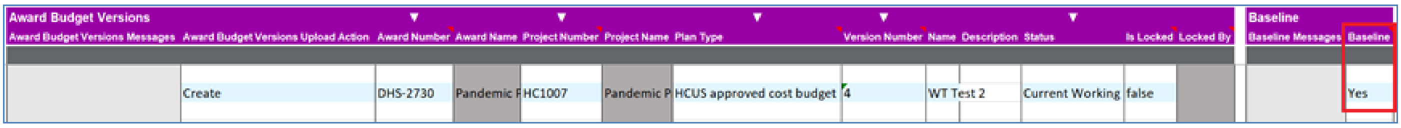
When Plan Lines are uploaded to Oracle, the 'Plan Lines Validation Status' will not be set to an 'Accepted' status. If the Plan Lines details are valid and the parent section Planning Resources is valid, then the 'Plan Lines Validation Status' will remain 'Validated' and its parent section 'Planning Resources Status' will have an 'Accepted' status returned.

Status			
Award Budget Versions Status	Baseline Status	Planning Resources Status	Plan Lines Validation Status
Default Values			
Accepted	Accepted	Accepted	Validated
		Accepted	Validated
		Accepted	Validated
		Accepted	Validated
		Accepted	Validated
		Accepted	Validated

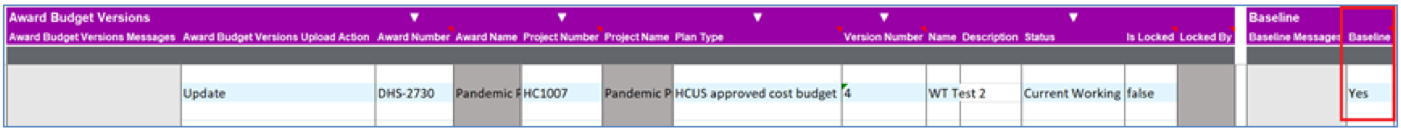
Baseline

The budget can be baselined at the same time as creating a new Budget Version or updating an existing one. To do this, follow the instructions below:

1. ‘Award Budget Versions Upload Action’ must have the value ‘Create’ or ‘Update’.
2. Complete entering in the details for the other sections (Planning Resources and Plan Lines).
3. Enter or select the value ‘Yes’ from the Data Form in the Baseline section of the Integrator.



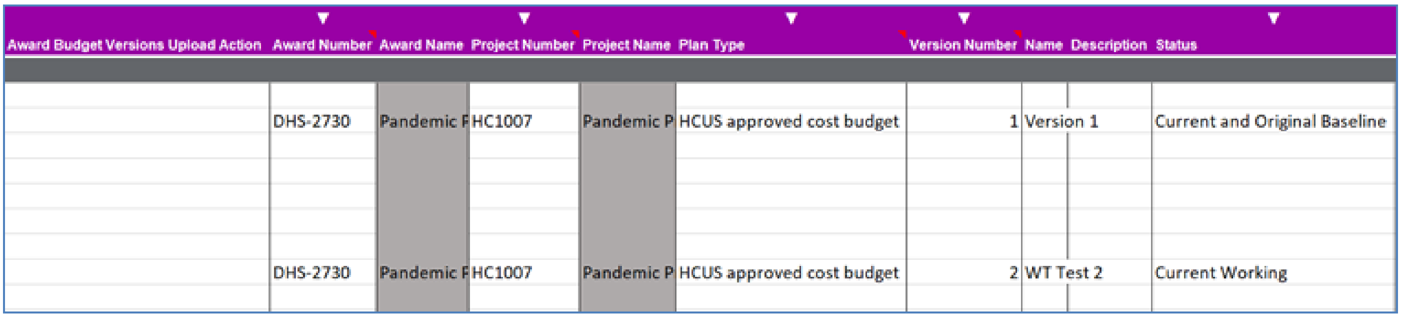
Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status	Is Locked	Locked By	Baseline Messages	Baseline
	Create	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	4	WT Test 2		Current Working	false			Yes



Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status	Is Locked	Locked By	Baseline Messages	Baseline
	Update	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	4	WT Test 2		Current Working	false			Yes

In order for the budget version to be baselined successfully, all the sections with the upload action on the sheet must be valid and uploaded successfully to Oracle. If there are errors in any of the sections during validation or upload, the baseline operation will not proceed.

If the baseline operation is successful, a copy of the budget with a status of ‘Current Working’ will be created automatically (if there are budget lines). The example below shows when Plan Version Number 1 was created and baselined, the process changed the status of Plan Version Number 1 to ‘Current and Original Baseline’ and copied it to a new draft version number 2 with the status of ‘Current Working’.



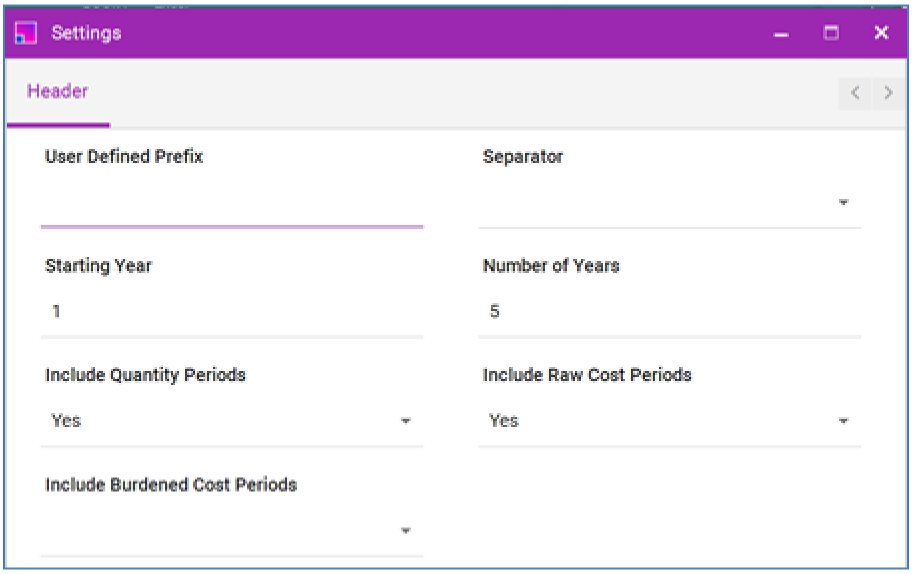
Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status
	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	1	Version 1		Current and Original Baseline
	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	2	WT Test 2		Current Working

Creating/Updating multiple Award Budgets with different number of Periods

If you want to create or update multiple Award Budgets on one sheet, make sure the Settings form includes the maximum number of periods needed for one of your awards. The example below shows three awards with different number of periods. The period format for the awards must be the same in order for them to work correctly on the same sheet.

Name	Number	Periods and Format
T-Cell Recruitment in Immune Defence	NCI-5005	1,2,3,4,5
Pandemic Preparedness Study	DHS-2730	1,2,3
COVID-19 Clinical Vaccine Trials	NIH-6018	1,2

The Settings form for the above three Awards will be set as follows:



The example below shows the existing award budgets with the status of 'Current Working' for the three Awards with different number of periods.

You cannot work with multiple awards on the same sheet if they do not share the same period format.

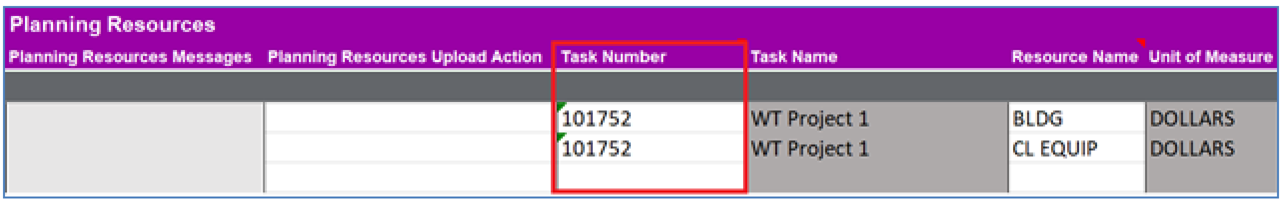
Planning Levels

There are three Planning Levels for a budget:

- Project
- Project and Top Tasks
- Project and All Tasks

When you create a new budget using the Integrator, the default Planning Level against the Plan Type selected for the budget will be used. As mentioned earlier, you cannot change the default Planning Level using the Integrator.

Project level budgets require the Project Number to be added to the Task Number column under the Planning Resources section. If you put in a Task Number, you will get an error message.



Project and Top Tasks level budget require either the Project Number or Top Task Number to be added to the Task Number column under the Planning Resources section. If you put in a bottom Task Number (e.g., child task), you will get an error message.

Planning Resources					
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure
		101752	WT Project 1	BLDG	DOLLARS
		101752	WT Project 1	CL EQUIP	DOLLARS
		100	Task 100	ANNUAL SUBS	DOLLARS

For Project and All Tasks level budgets, you can enter the Project Number and any of its Tasks into the Task Number column under the Planning Resources section.

You can manually change the Planning Level of a new award budget version in the Oracle form before adding any lines to the budget. You can also use the Integrator to create an empty award budget version, which can then be changed in the Oracle Form if required.

Once there are amounts against a budget version, you can no longer change the Planning Options.

Creating multiple Planning Resources and Plan Lines

Multiple Planning Resources can be created against a Budget Version. Multiple Plan Lines can be created against a single Planning Resource if multi-currency is enabled.

The example below shows several Planning Resources created against various tasks for a single budget.

					Plan Lines			Quantity			Raw Cost		
Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity 03-22	Quantity 04-22	Quantity 05-22	Raw Cost 03-22	Raw Cost 04-22	Raw Cost 05-22
Create	100	Task 100	Aakash Sharm	HOURS		Create	USD	10	20	30			
Create	100.1	Task 100.1	Labor	HOURS		Create	USD	10	20	30			
Create	100.2	Task 100.2	Equipment	HOURS		Create	USD	10	20	30			
Create	200	Task 200	Material Item	DOLLARS		Create	USD				8500	8510	8520
Create	300	Task 300	Financial Reso	DOLLARS		Create	USD				8500	8510	8520
Create	1.0	Planning	Expenses	DOLLARS		Create	USD				8500	8510	8520
Create	2.0	Design	Hotel	DOLLARS		Create	USD				8500	8510	8520
Create	2.1	Permits ar	Airfare	DOLLARS		Create	USD				8500	8510	8520

<u>The example below shows two Plan Lines created against a single Planning Resource when</u> multi-currency is enabled for the project.

Planning Resources						Plan Lines			Quantity		
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity 03-22	Quantity 04-22	Quantity 05-22
	Create	100.2	Task 100.2	Equipment	HOURS		Create	USD	10	20	30
							Create	EUR	10	20	30

Sections:
[Download Existing Award Budgets]
[Update Award Budgets]
[Delete Award Budgets]

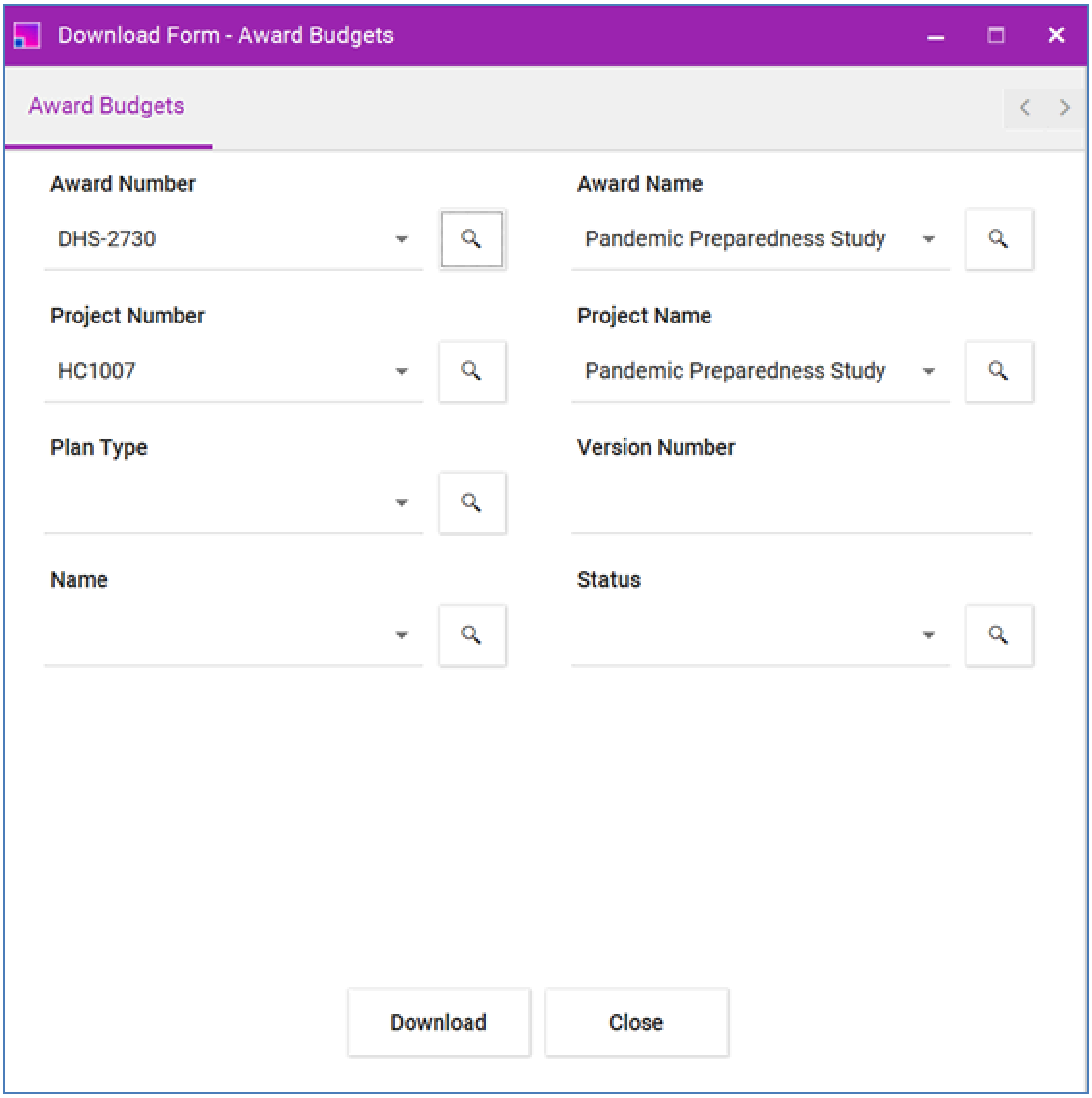
Download Existing Award Budgets

There are two ways to download Budgets from Oracle using the Integrator. More information about downloading can be found here.

Download via Form

The Download Form will be displayed when the 'Download via Form' is selected from the ribbon. Here, you can enter values into the available fields to set the download criteria. Click the 'Download' button to download data onto the sheet.

A valid search return of an Award Number will default the Project Number associated with the Award.



Download via Sheet

When the option to Download via Sheet is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name. Note that not all the columns available on the Download Form are available as values to be used in the Download via Sheet option. Also note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.

Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status
	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	2	WT Test 2		Current Working

Sections:
[Create Award Budgets]
[Update Award Budgets]
[Delete Award Budgets]

Update Award Budgets

Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing Budgets, More4apps recommends first downloading the Budgets to the worksheet. You can restrict the download parameters to narrow down the search results.

Only the Award Budget Versions (Header) section have the Upload Action mode 'Update' available. Currently, you cannot update existing Planning Resources and Plan Line Period Amounts. Here are the columns you can update from each section.

Award Budget Versions

- Name
- Description
- Status (the next allowable status for the budget must be valid)
- Is Locked

You must have the columns **Award Number, Plan Type,** and **Version Number** in the Budget Version section in order for the Update to be successful**.**

Award Budget Versions											
Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status	Is Locked
	Update	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	2	WT Test 2		Current Working	true

Note: When updating the column 'Is Locked', Excel automatically converts manually entered values 'true' and 'false' to 'TRUE' and 'FALSE'. The capital letters will be rejected by the web service on Upload. Either select the 'true' or 'false' values using the Data Form or enter an apostrophe at the beginning of the word if you are entering the value manually into the cell (e.g., 'true).

Status

When you are updating the Status of a budget version, make sure that the next allowable status is a valid status for the budget. Oracle will return an error if you attempt to update the status with an incorrect status in the budget status hierarchy.

Planning Resources

You cannot Update Planning Resources for an award budget. If you need to make changes to a Planning Resource, we recommend deleting the line and re-creating it.

Plan Lines

The Update functionality is not currently available for Plan Lines with Planning Period Amounts. There is an issue with the Oracle REST web service that prevents us from offering Update for this section. We expect this issue will be resolved in future. If this feature is required, please contact More4apps. If you need to make changes to a Plan Line, we recommend deleting the line and re-creating it.

Sections:

[Create Award Budgets](#)
[Download Existing Award Budgets](#)
[Delete Award Budgets](#)

Delete Award Budgets

Refer to the [Uploading](#) section for more information on how to upload the 'Delete' action.

To Delete existing Award Budgets, More4apps recommends downloading the specific Award, Plan Type, and Plan Version Number you want deleted to the sheet.

To delete an Award Budget Version, the 'Award Budget Versions Upload Action' column must contain the 'Delete' action. When you delete at the Budget Versions level, the entire budget including Planning Resources and Plan Lines with Period Amounts will be automatically deleted. It is not necessary to populate the action columns in the child sections.

Award Budget Versions

Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status
	Delete	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget		WT Test 1		Current Working
	Delete	NIH-6018	COVID-19 C	HC1005	Clinical Vacc	HCUS approved cost budget	4	WT Test 1		Current Working
	Delete	NCI-5005	T-Cell Recru	HC2002	Skin Cancer	HCUS approved cost budget	6	WT Test 1		Current Working

You cannot delete budgets that have the status of 'Original Baseline' or 'Current Baseline'. The example below has the 'Delete' action against budgets with a status of 'Original Baseline' and 'Current Baseline'. The attempt to delete the budget with 'Original Baseline' and 'Current Baseline' will fail with an error.

Award Budget Versions

Award Budget Versions Messages	Award Budget Versions Upload Action	Award Number	Award Name	Project Number	Project Name	Plan Type	Version Number	Name	Description	Status
API Error: You can't delete thi	Delete	DHS-2730	Pandemic F	HC1007	Pandemic P	HCUS approved cost budget	1	Version 1		Current and Original Baseline

To delete Planning Resources, the 'Planning Resources Upload Action' must have the 'Delete' action. When you delete at the Planning Resources level, Plan Lines and Period Amounts associated with a Planning Resource will also be deleted. The Budget Versions (the header) will not be deleted.

Planning Resources						
Planning Resources Messages	Planning Resources Upload Action	Task Number	Task Name	Resource Name	Unit of Measure	Funding Source
	Delete	1.0	Data Colle	Books and Pu	DOLLARS	Department of Health and Human Services
	Delete	3.0	Publicatio	Books and Pu	DOLLARS	Department of Health and Human Services

Plan Lines			Quantity					Raw Cost		
Plan Lines Validation Messages	Plan Lines Upload Action	Currency	Quantity 1	Quantity 2	Quantity 3	Quantity 4	Quantity 5	Raw Cost 1	Raw Cost 2	Raw Cost 3
		USD						1000	2000	3000
		USD						1000	2000	3000

Once the desired Budgets are marked for Delete, upload the changes to Oracle.

The 'Deleted' status is returned to the sheet for Budget Versions or Planning Resources once they are successfully deleted from Oracle.

Status			
Award Budget Versions Status	Baseline Status	Planning Resources Status	Plan Lines Validation Status
Default Values			
		Deleted	
		Deleted	

Plan Lines cannot be deleted individually as they are linked to Planning Resources. If you want Plan Lines deleted, delete the Planning Resources associated with the Plan Lines and re-create them without the unwanted Plan Lines.

Sections:
Create Award Budgets
Download Existing Award Budgets
Update Award Budgets

Project Templates Integrator

The Project Templates Integrator can be used to view, create and update Project Templates that are in the Project Financial Management module. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

The Integrator **cannot** be used to:

- Delete Project Templates
- Update / Delete Project Transaction Controls
- Update / Delete Task Transaction Controls
- Update / Delete Customers
- Update / Delete Quick Entries

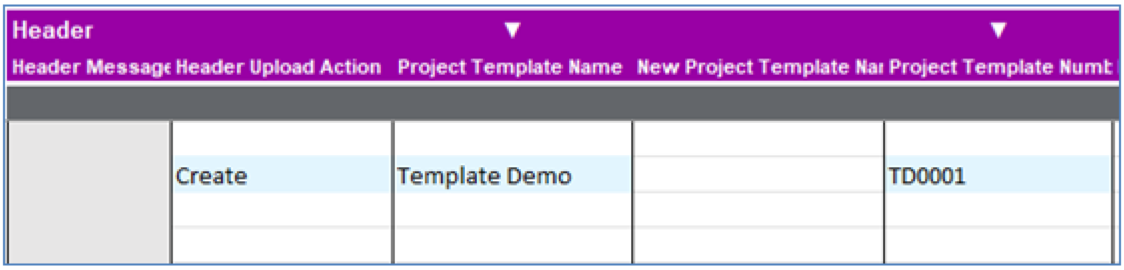
Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Create Project Templates
Download Existing Project Templates
Update Project Templates
Delete Project Templates
Limitations

Create Project Templates

Become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

To create a project template, the ‘Header Upload Action’ column value must be **Create or Create records**. Create records causing all related child components to default to the same action, while Create will only create that section. Please refer to the Uploading section for more information on how to upload the Create action.



Header				
Header Messag	Header Upload Action	Project Template Name	New Project Template Na	Project Template Numb
	Create	Template Demo		TD0001

Project Plan Type
This column is mandatory on Create. It is required to create Tasks, therefore, the Integrator has made the column mandatory.

Project Templates Integrator supports the following child sections along with their corresponding Upload Actions.

Section Name	Upload Action		
	Create	Update	Delete
Classifications	Yes	Yes	Yes
Team Members	Yes	Yes	Yes
Customers	Yes	No	No
Tasks	Yes	Yes	Yes
Task Transaction Controls	Yes	No	No
Project Transaction Controls	Yes	No	No
Quick Entries	Yes	No	No

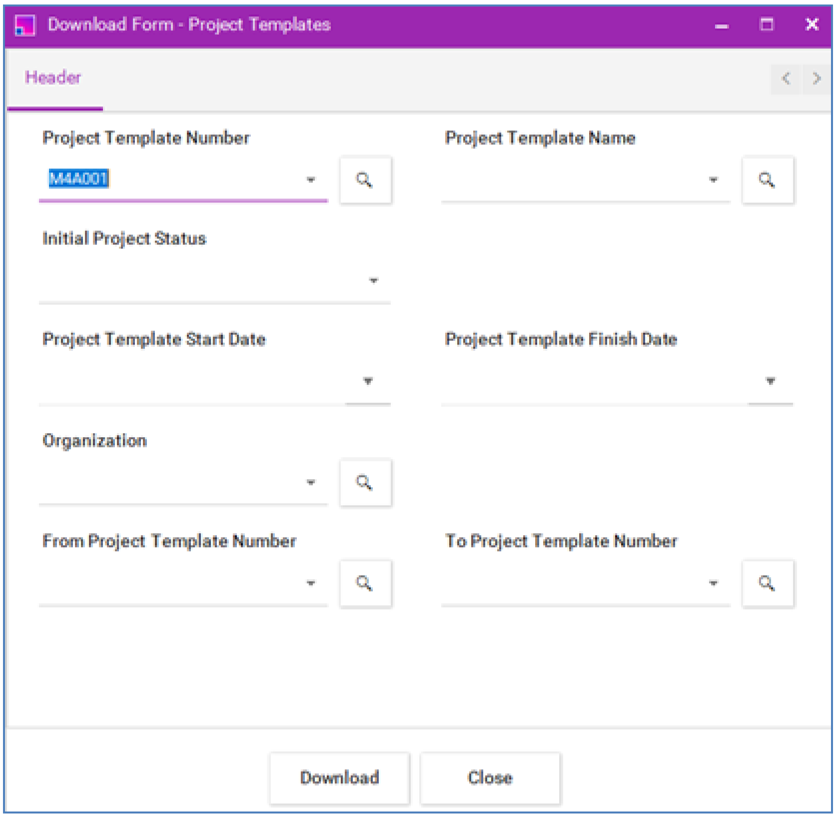
Sections:
Download Existing Project Templates
Update Project Templates
Delete Project Templates
Limitations

Download Existing Project Templates

There are two ways to download project templates from Oracle using the Integrator. More information about downloading can be found here.

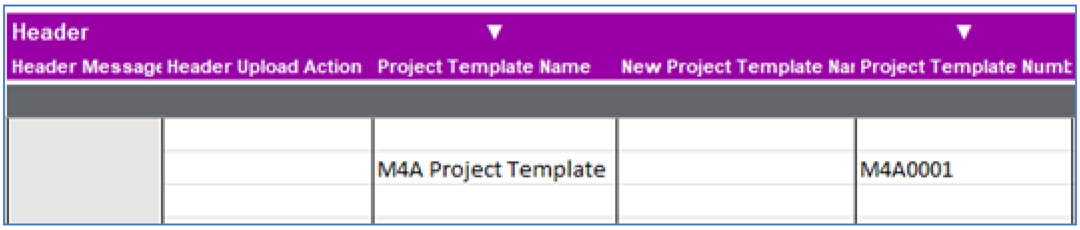
Download via Form

The Download Form will be displayed when the ‘Download via Form’ is selected. Here, you can enter values into the available fields to set the download criteria. Click the ‘Download’ button to download data onto the sheet.



Download via Sheet

When the option to ‘Download via Sheet’ is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.



Note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.

Sections:

[Create Project Templates](#)
[Update Project Templates](#)
[Delete Project Templates](#)
[Limitations](#)

Update Project Templates

To update a project template, the ‘Header Upload Action’ column value must be ‘Update’. Please refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing project templates, More4apps recommend downloading them first on the sheet. Refer to the Download existing Project Templates section for more information on how to download.

To update a project template, the ‘Header Upload Action’ must have **Update or Update records** action if the values are to be updated or left blank if no processing of the data is required. ‘The Project Template Name’ or 'Project Template Number’ must be populated to update the header and/or child sections.

Header				
Header Message	Header Upload Action	Project Template Name	New Project Template Name	Project Template Number
	Update	M4A Project Template		M4A0001

To update the key fields in the Integrator, you must use the corresponding column name prefixed with ‘New’. For instance, to update the 'Project Template Name' field, the column header 'New Project Template Name' must be utilized.

Header				
Header Messages	Header Upload Action	Project Template Name	New Project Template Name	Project Temp
	Update	M4A Project Template	M4A Project Template edited	M4A001

Here are the key fields in the tool that require the corresponding column name prefixed with ‘New’ to update their values:

- Project Template Name
- Project Template Number
- Class Code
- Task Number

Once the necessary data entry changes are made, upload the changes to Oracle.

The ‘Accepted’ status is returned to the sheet if all the Updates for the sections are valid and uploaded successfully to Oracle.

Status						Header				
Header Status	Classifications Status	Tasks Status	Task Transaction Controls Status	Project Transaction Controls Status	Quick Entries Status	Header Messages	Header Upload Action	Project Template Name	New Project Template Name	Project Template N
Default Values										
Accepted							Update	M4A Project Template 3a		M4A0003a
Accepted							Update	M4A Project Template 4		M4A0004
Accepted							Update	M4A Project Template 5		M4A0005
Accepted	Accepted	Accepted	Accepted	Accepted	Accepted		Update records	M4A Project Template 6		M4A0006
Accepted	Accepted	Accepted	Accepted	Accepted	Accepted		Update records	M4A Project Template 7		M4A0007
Accepted	Accepted	Accepted	Accepted	Accepted	Accepted		Update records	M4A Project Template 8		M4A0008

Team Members section can be used to update all columns except Project Role and Team Member Name.

The following sections cannot be updated:

- Customers
- Project Transaction Controls
- Task Transaction Controls
- Quick Entries

Sections:
[Create Project Templates](#)
[Download Existing Project Templates](#)
[Delete Project Templates](#)
[Limitations](#)

Delete Project Templates

Project Templates cannot be deleted once they are created. However, records from the following child sections can be deleted.

Classifications
To delete Classifications, the ‘Classifications Upload Action’ column value must be ‘Delete’.

‘The Project Template Name’ or 'Project Template Number’ must be populated to update the header and/or child sections.

Header				Classifications			
Header Messag	Header Upload Action	Project Template Name	Project Template Number	Classifications Messag	Classifications Upload Acti	Class Category	Class Code
		M4A Project Template	M4A001			Business Objective	Business Growth
						Business Objective	Business Innovation
						Business Objective	IT Governance
					Delete	Business Objective	Strategic Technology
					Delete	Business Objective	Training

Once the desired classifications are marked for Delete, [upload](#) the changes to Oracle.

The ‘Deleted’ status for ‘Classifications Status’ is returned to the sheet if they are successfully deleted from Oracle. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the ‘Classifications Status’ status.

Status			Header			Classifications			
Header Status	Classifications Stat	Tasks Statu	Header Messag	Header Upload Action	Project Template Number	Classifications Messag	Classifications Upload Acti	Class Category	Class Code
Default Values									
Validated					M4A001			Business Objective	Business Growth
								Business Objective	Business Innovation
								Business Objective	IT Governance
	Deleted						Delete	Business Objective	Strategic Technology
	Deleted						Delete	Business Objective	Training

Team Members
To delete Team Members, the ‘Team Members Upload Action’ column value must be ‘Delete’.

The ‘Project Template Name’ or 'Project Template Number’ must be populated to update the header and/or child sections.

Once the desired Team Members are marked for Delete, upload the changes to Oracle.

The 'Deleted' status for 'Team Members Status' is returned to the sheet if they are successfully deleted from Oracle. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the 'Team Members Status' status.

Status			Header				Team Members									
Header Status	Classifications Status	Team Members Status	Header Messages	Header Upload Action	Project Template Name	Project Template Number	Team Members Messages	Team Members Upload Action	Project Role	Team Member	Team Member Perso	Track Time	Effort In H	Percent Alloc	Bill Rate	Cost Rate
Default Values																
Validated		Deleted			M4A Project Templa	M4A240823		Delete	Business A	Chin, Jenny		Yes	44	70	125	95
									Business A	Smith, Alan		No	56	60	126	96
									Design Tec	Stahl, Steven		No	78	50	127	97
									Design Eng	Badri, Valerie		No		100		

Tasks
To delete Tasks, the 'Tasks Upload Action' column value must be 'Delete'.

The 'Project Template Name' or 'Project Template Number' must be populated to update the header and/or child sections.

Header			Tasks			
Header Message	Header Upload Action	Project Template Number	Tasks Message	Task Upload Actio	Parent Task Numb	Task Numbe
		M4A001			M4A001	100b
					100b	100b.1
					100b	100b.2
					M4A001	200
				Delete	M4A001	300
				Delete	M4A001	400

Once the desired tasks are marked for Delete, upload the changes to Oracle.

The 'Deleted' status for 'Tasks Status' is returned to the sheet if they are successfully deleted from Oracle. Once the records are deleted, you have the option to change any details for the record and reupload without clearing the 'Tasks Status' status.

Status		Header			Tasks					
Header Status	Tasks Statu	Header Message	Header Upload Action	Project Template Number	Tasks Message	Task Upload Actio	Parent Task Numb	Task Numbe	New Task Numb	Task Name
Default Values										
Validated				M4A001			M4A001	100b		Task 100b
							100b	100b.1		Task 100b.1
							100b	100b.2		Task 100b.2
							M4A001	200		Task 200
	Deleted					Delete	M4A001	300		Task 300
	Deleted					Delete	M4A001	400		Task 400

The following sections cannot be deleted:

- Customers
- Project Transaction Controls
- Task Transaction Controls
- Quick Entries

Sections:
Create Project Templates

Download Existing Project Templates
Update Project Templates
Limitations

Limitations

Update/Delete Quick Entries
Currently, there is no REST web service to modify or delete existing Quick Entries. However, an idea has been submitted requesting Oracle to implement this feature. Please vote for the idea to get Oracle's attention and prompt them to address the issue.

Update/Delete Task Transaction Controls
Currently, there is no REST web service to modify or delete existing Task Transaction Controls that exist on Project Templates.

Update/Delete Project Transaction Controls
Currently, there is no REST web service to modify or delete existing Project Transaction Controls that exist on Project Templates.

Update/Delete Customer
Currently, there is no REST web service to modify or delete existing Customers that exist on Project Templates.

Sections:
Create Project Templates
Download Existing Project Templates
Update Project Templates
Delete Project Templates

Contracts Integrator

The Contracts Integrator can be used to carry out the following tasks in the Contract Management module:

- Create new Contracts
- Update Contracts
- Delete Contracts
- Submit for Approval

To support the above features, a Download feature is included.

Currently, the following sections are supported and we will increase the number of columns available over time as per customer requests.

- Contracts Header
- Contracts Header DFFs (Additional Information)
- Header Billing Controls
- Parties
- Party Contacts
- Party Contacts DFFs (Additional Information)

- Bill Plans
- Revenue Plans
- Contract Lines
- Contract Lines DFFs (Additional Information)
- Lines - Billing Controls
- Lines - Associated Projects
- Submit for Approval

The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud SOAP Web Services.

Important Note: Contracts Integrator currently supports the 'Sell' intent exclusively. Support for capturing **some** Agreement details for ‘Sell’ intent contracts are available in the Integrator. If more columns are required to support the contracts with ‘Sell’ intent, please reach out to us.

We recommend that you customize the layout of your sheet to suit the type of contracts you’re working with to eliminate errors on the sheet.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:

Create Contracts

Please become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

To create a new contract, the ‘Header Upload Action’ column value must be **Create or Create records**. Create records causes all related child components to default to the same action, while Create will only create that section. Please refer to the Uploading section for more information on how to use the Create action.

Header						
Header Messages	Header Upload Action	Business Unit	Legal Entity	Type	Number	Name
	Create records					
	Create records	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.20	Demo Sprint 3.20
	Create records	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.21	Demo Sprint 3.21
	Create records	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.22	Demo Sprint 3.22
	Create records	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.23	Demo Sprint 3.23
	Create records	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.25	Demo Sprint 3.25

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet

- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form

- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don't know the exact value to enter on the sheet.

To create a new contract, the following values are required and must be included as part of the upload:

- Business Unit
- Type
- Number
- Primary Party
- Start Date

Contracts Integrator accommodates both 'Agreements' and 'Enterprise Contracts' contract classes. Therefore, we recommend that you remove columns that you do not need for the type of contract you're working with.

For example, the following columns are for the Contract Class of 'Agreements':

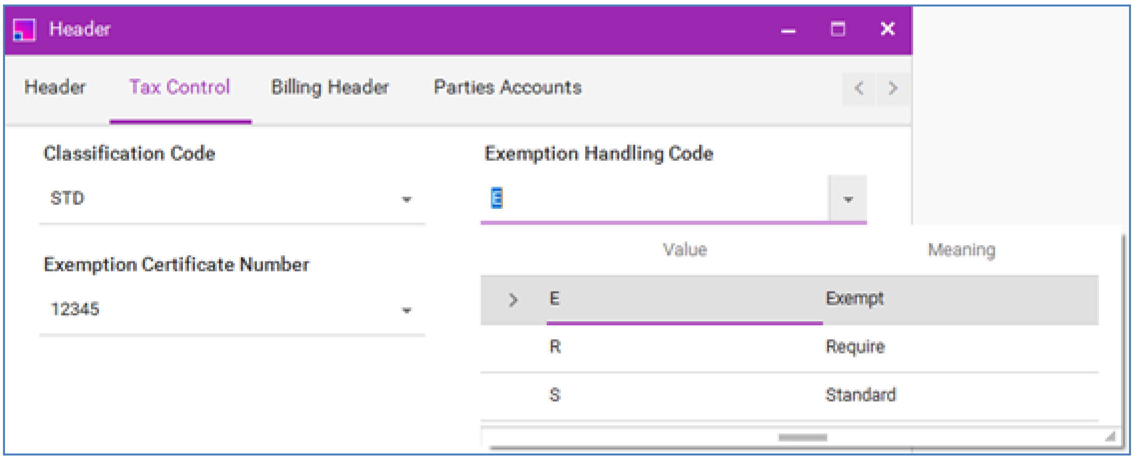
- Price Application Rule
- Pricing Strategy
- Pricing Effective Date
- Committed Amount

Please remove them from the sheet if your contract does not need them to avoid errors. Also, the Currency Conversion columns at the header section do not apply to 'Agreement' contracts so please remove them from the sheet if you are working with Agreement contracts.

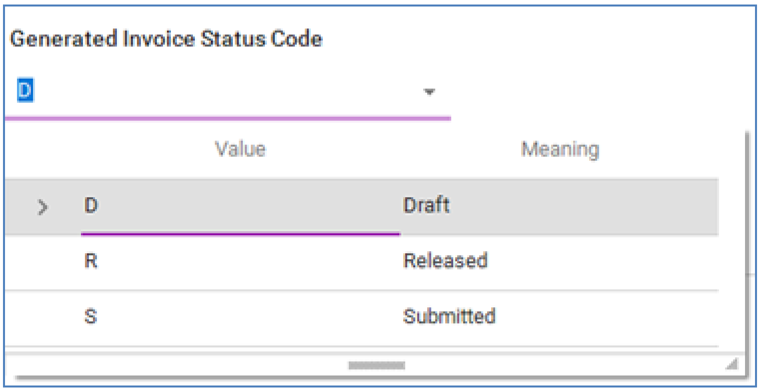
The following columns use codes instead of their actual names. This is due to a limitation in the SOAP web services.

If you use the Data Form to enter these values, the List of Values will display both the code and its meaning.

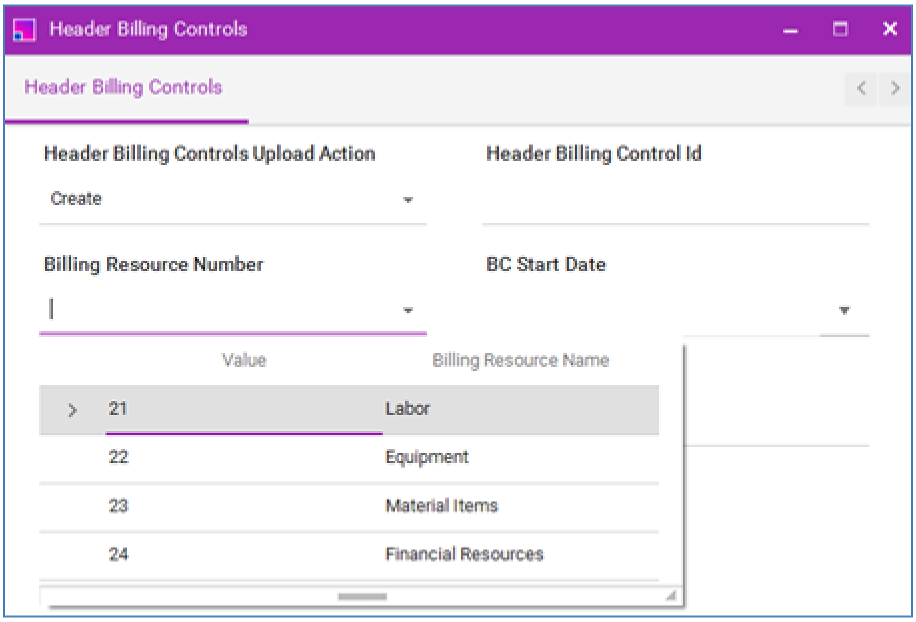
Exemption Handling Code (Header)



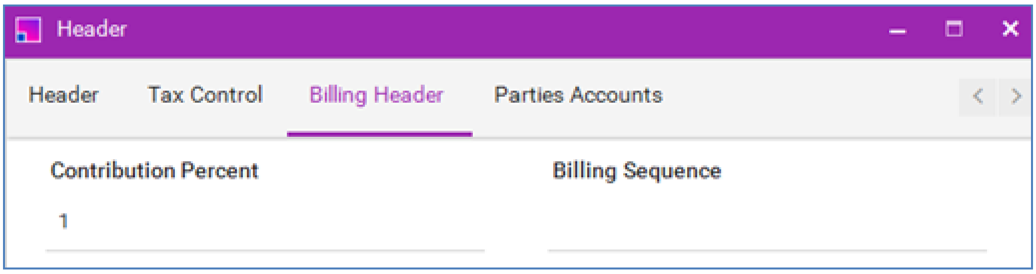
Generated Invoice Status Code (Header)



Billing Resource Number (Billing Controls – Header/Contract Lines)



Ensure that the Contribution Percent field value is within the range of 0 to 1. For example, if you enter 0.5 in the Contribution Percent field, it corresponds to 50%.



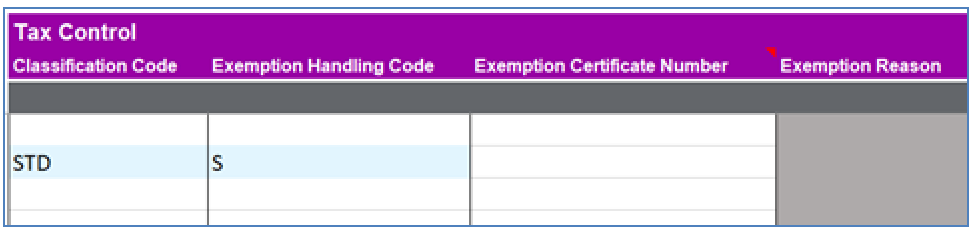
Excluded from Create

These sections need to be removed from the sheet as part of the Create process:

- Parties
- Party Contacts

When creating a new contract in Oracle, Parties and Party Contacts are automatically generated. As such, you must exclude them from the Create process. If you attempt to enter values in these sections during contract creation, an error message will be generated.

Header Tax Control: When creating a new contract, you cannot set the Exemption Handling Code to E or R. If you wish to change these values for your contract, you must first create the contract and then update it with the new Header Tax Control values.



Line Billing: ‘Line Bill Plan’ and ‘Line Revenue Plan’ cannot be set during the creation of a new contract. However, Bill Plans and Revenue Plans can be created beforehand as part of the new contract creation process. Afterward, you can download the contract to update the Line Bill Plan and Line Revenue Plan details.

Line Billing		
Line Bill Plan	Line Revenue Plan	Line PO Number
		1244

Contract Lines

The Contract Lines section currently supports two different Line Types:

1. Item, Project:
   - Line Item Name must be a valid item number. If you are uncertain about the Item number, please use the Data Form to search for the correct item.
   - For this Line Type, please provide values for 'Line Item UOM', 'Line Item Quantity', and 'Line Item Unit Price'. The 'Line Item Amount' will be automatically calculated based on the values you enter for 'Line Item Quantity' and 'Line Item Unit Price'. Consequently, 'Line Item Amount' is a read-only column and should not be manually entered for the Line Type 'Item, project'.
   - Reserve 'Line Amount' for use with the Line Type 'Free-form, project'. It will, by default, copy the value from ‘Line Item Amount’ but it does not have any meaning for Line Type ‘Item, Project’.

2. Free-form, Project:
   Selecting this Line Type allows you to enter any text of your choosing in the ‘Line Item Name’ field. It is a free text field without restrictions. You may enter ‘Line Amount’ for this Line Type.

Contract Lines											
Contract Lines Messages	Contract Lines Upload Action	Line Number	New Line Number	Line Type	Line Item Name	Line Description	Line Amount	Line Item UOM	Line Item Quantity	Line Item Unit Price	Line Item Amount
		1		Item, project	AM526	test	50	Ea	2	25	50
		2		Free-form, project	New Car	New Car Desc	250000				

Handling Duplicate Party Contact Names

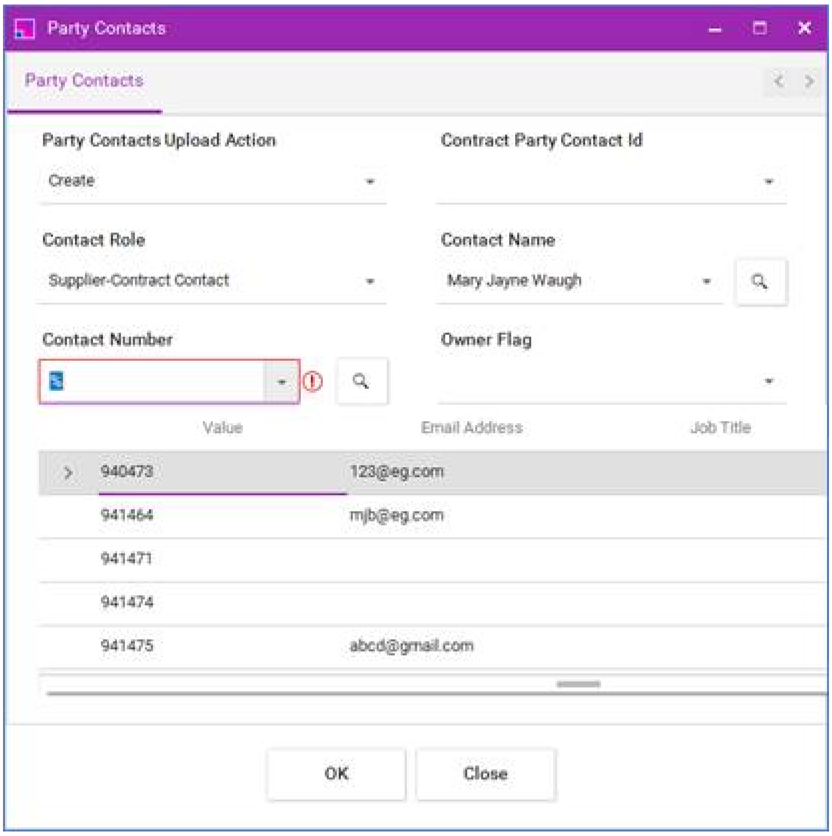
When working with Party Contact Names that appear to be duplicates, the tool requires a unique identifier to differentiate between them. To effectively manage such situations, follow these steps:

1. Contact Number Requirement: To handle duplicate Party Contact Names, you must provide a Contact Number associated with each unique contact. This Contact Number serves as a distinct identifier that allows the tool to distinguish between similar names.

Parties			
Parties Validation Mes:	Parties Upl	Party Ro	Party Name
		Custome	Stark Industries
		Supplie	US1 Business Unit

Party Contacts						
Party Contacts Validation Me:	Party Contacts Upload A	Contract Party Cont:	Contact Role	Contact Name	Contact Num	O
Contact Number is required.	Create		Supplier-Contract Conta	Mary Jayne Waugh		
	Create		Customer contact	Jan Stark	943456	
	Create		Customer contact	Jayne Stark	1026	
	Create		Supplier-Contract Conta	Fabien de Grivel	1027	
		300000262103831	Contract administrator	Wai Thant-Cyn		Y
		300000262146523	Resource organization	US Retail Sales		N

2. Using Data Form: If you encounter instances where you're unsure about the Contact Number, you can utilize the Data Form to search the Contact Numbers.



Sections:
[Download Contracts](#)
[Update Contracts](#)
[Submit for Approval](#)
[Delete Contracts](#)
[Limitations](#)

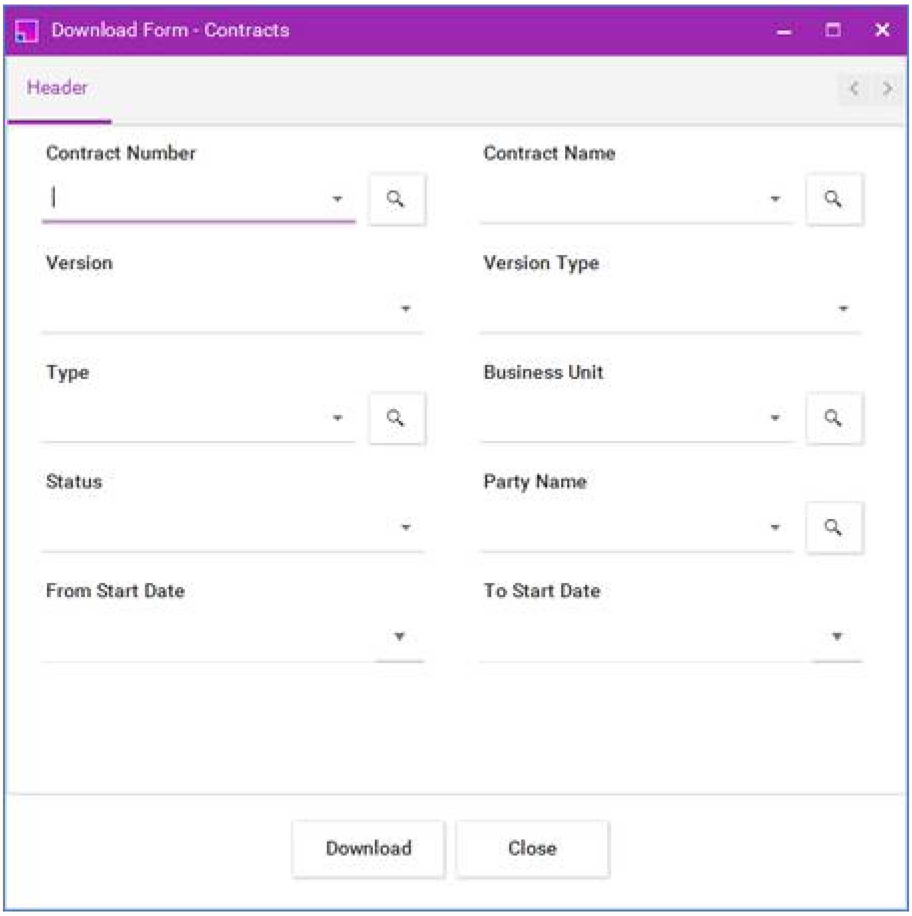
Download Contracts

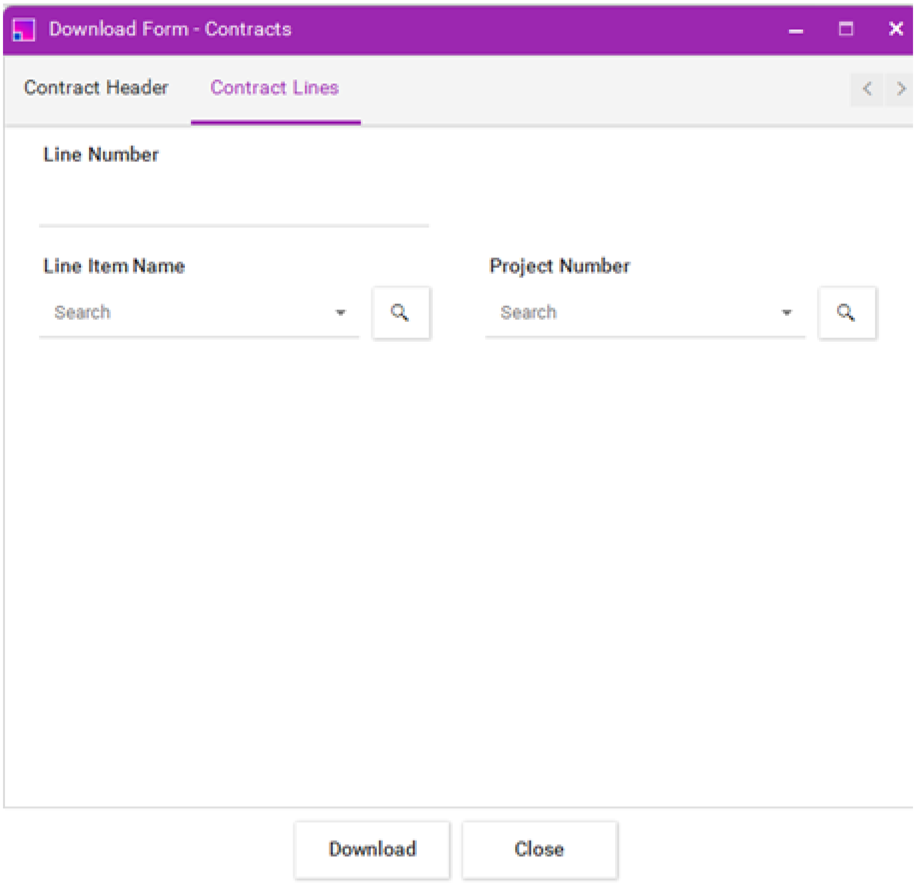
There are two ways to download contracts from Oracle using the Integrator. More information about downloading can be found [here](#).

A contract can have multiple versions over its lifecycle. You can use the Integrator to download all versions of a contract. Some contracts that have had multiple amendments carried out may have numerous historic versions. Please make sure that you download the version that is eligible for updates/amendments. Using 'Version Type' = 'C' as a download filter will ensure that only the current versions of the contract are downloaded. If you don't specify the Version Type, all versions of a contract will be downloaded.

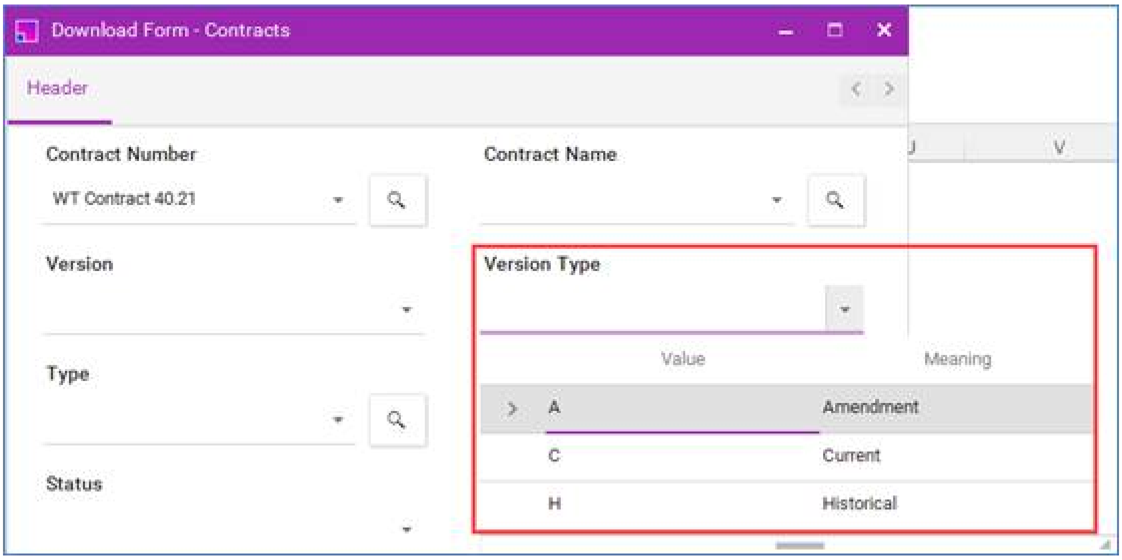
Download via Form

The Download Form will be displayed when the 'Download via Form' is selected. Here, you can enter values into the available fields to set the download criteria. Download criteria is currently available at the Header, Line and Associated Project sections for specific columns as shown in the forms below. Click the 'Download' button to download data onto the sheet.





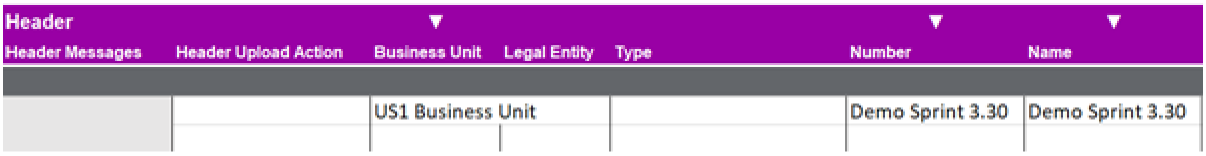
Version Type uses codes instead of their actual names. This is due to a limitation in the SOAP web services. If you use the Data Form to search by this value, the List of Values will display both the code and its meaning.



Tips: The more sections/columns on your sheet the more data is retrieved and written to the sheet. If you wish to reduce the download time, remove the unnecessary columns, or create a customer sheet for the download. To create a custom sheet, see Generating a New Sheet.

Download via Sheet

When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

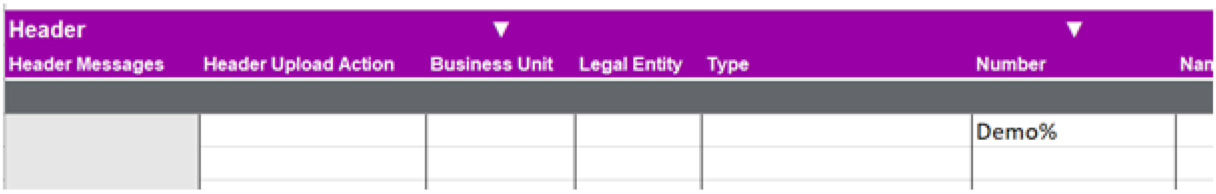


Download via Sheet using wildcard value %

Utilize the wildcard % for Download via Sheet to retrieve data that partially matches your search criteria. For example, entering 'Demo%' will download all contracts starting with 'Demo.'

If using the wildcard when using integers, an apostrophe may need to be added before the value to enable results to be returned i.e. Line Number '12% as opposed to 12%.

The apostrophe forces the application to recognize cell content as text. Note that these apostrophes are invisible in the cell grid and formula bar, and do not impact any calculations within your spreadsheet.



Note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.

Download Examples

Here are some download examples to illustrate how downloading works in the Integrator.

Example 1

Search criteria using ‘Download via Sheet’ option: Return all contracts that match the contract number starting with ‘WT’, version type of C (Current), and status that starts with ‘UNDER’.

Search result: 1 contract returned that matches the search criteria.

Header																		
Header Messages	Header Upload Action	Business Unit	Legal Entity	Type	Number	Name	New Name	Version	Version Type	Descriptio	Version Des	Primary Party	Currency	Start Date	End Date	Item Master	Risk Code	Status
					WT%				C									UNDER%
		US1 Busines	US1 Legal	M4A	WT Contract 40.21	WT Contract 40		2	C	Description update		Stark Indust	USD	26/07/2023		Operation	RISK_LOV	UNDER_AMENDMENT

Example 2

Search criteria using ‘Download via Form’ option: Return all versions of the Contract Number ‘Pinnacle Technologies SLSA’.

Search result: Contract Number ‘Pinnacle Technologies SLSA’ returned with multiple versions returned to the sheet. Only Version Type of ‘C’ with status ‘UNDER_AMENDMENT’ is the most current version to be updated.

Business Unit	Legal Entity	Type	Number	Name	New Name	Version	Version Type	Status
US1 Business Unit	US1 Legal Entity	Software License and Se	Pinnacle Technologies SLSA	Pinnacle Technologies SLSA		5	C	UNDER_AMENDMENT
US1 Business Unit	US1 Legal Entity	Software License and Se	Pinnacle Technologies SLSA	Pinnacle Technologies SLSA		1	H	ACTIVE
US1 Business Unit	US1 Legal Entity	Software License and Se	Pinnacle Technologies SLSA	Pinnacle Technologies SLSA		2	A	ACTIVE
US1 Business Unit	US1 Legal Entity	Software License and Se	Pinnacle Technologies SLSA	Pinnacle Technologies SLSA		3	H	UNDER_AMENDMENT
US1 Business Unit	US1 Legal Entity	Software License and Se	Pinnacle Technologies SLSA	Pinnacle Technologies SLSA		4	H	UNDER_AMENDMENT

Sections:

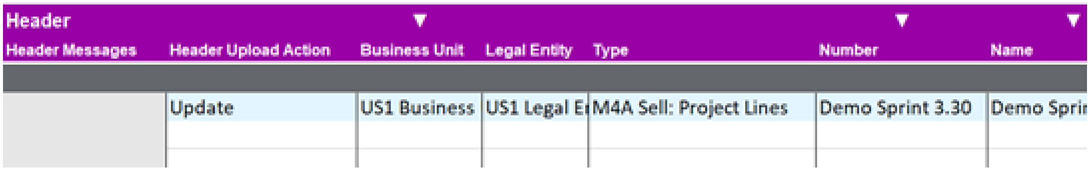
Create Contracts
Update Contracts
Submit for Approval
Delete Contracts
Limitations

Update Contracts

To carry out an Update to the existing contracts, More4apps recommend downloading them first onto the sheet. Refer to the Download Contracts section for more information on how to download.

Contract version plays a critical role when carrying out updates. Please ensure that you are updating the version that is eligible for amendments.

To update a contract, the ‘Header Upload Action’ must always have **Update or Update records** action if the values are to be updated or left blank if no processing of the data is required. Please refer to the Uploading section for more information on how to upload the Update action.



Header						
Header Messages	Header Upload Action	Business Unit	Legal Entity	Type	Number	Name
	Update	US1 Business	US1 Legal E	M4A Sell: Project Lines	Demo Sprint 3.30	Demo Sprir

To update a contract, the following values are required at Header and must be included as part of the upload:

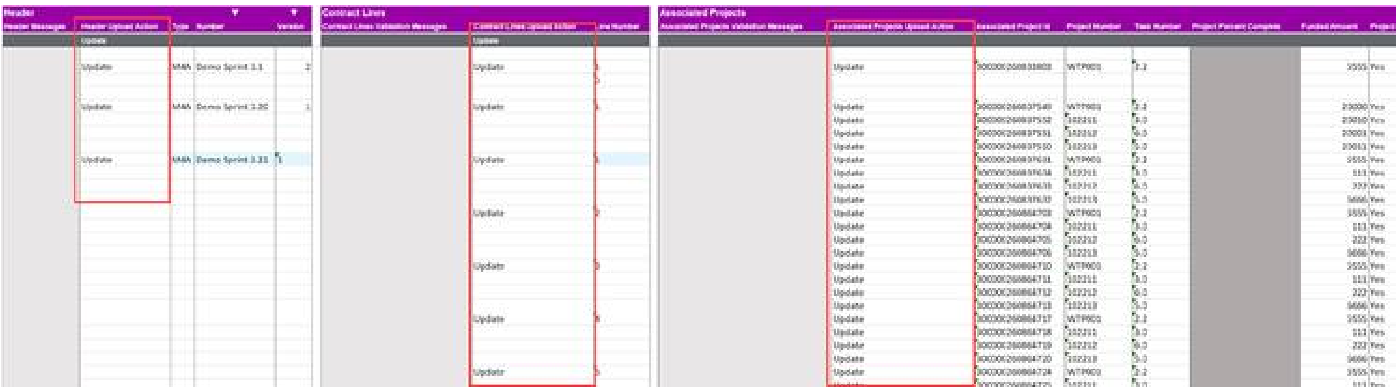
- Business Unit
- Number
- Version

When making updates to contracts, ensure that the 'Header Upload Action' is **always** set to either 'Update' or 'Update records' (if you intend to update all sections on the sheet). If you use 'Update', and wish to update other sections, the upload action for those sections AND its parent section must also be set to 'Update'. To simplify this process, you can utilize the Default Row feature to set the upload action to 'Update' which will be copied down to the rows, thus avoiding the need to manually enter it for each parent section line. Examples below.

Updating Associated Projects

To update Associated Projects, ‘Associated Project Id’ must be on the sheet with valid IDs associated to the Associated Project row. If you enter an invalid ID, the update process will fail.

Header Upload Action is set to ‘Update’ as a requirement for all contract updates. Contract Lines Upload Action is set to ‘Update’ against a contract line linked to an Associated Project and as a parent section of Associated Projects. Associated Projects Upload Action is set to ‘Update’ for the associated projects that need to be updated (e.g. Funding Amount).



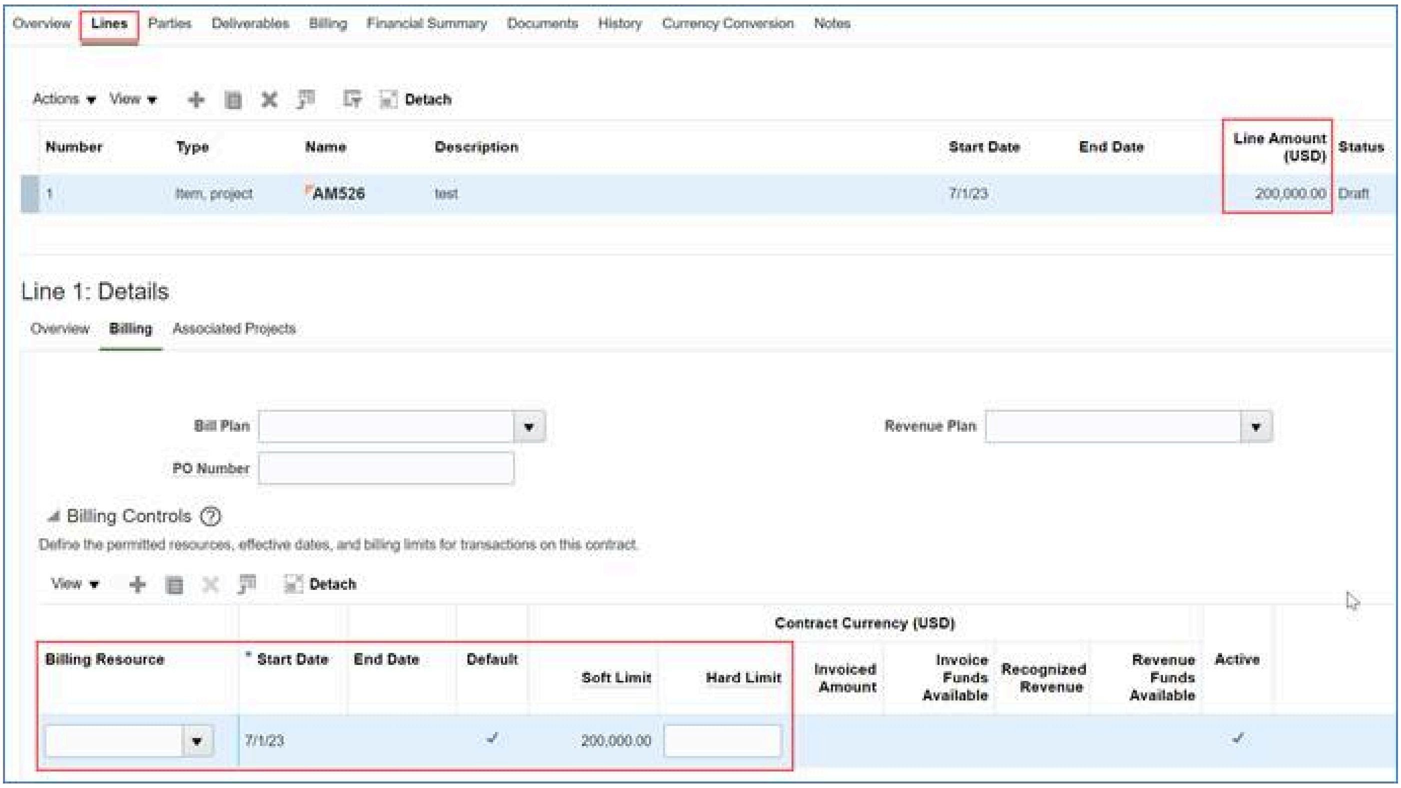
Updating Party Contacts

To update Party Contacts, make sure the Update action is at Header and Party Contacts sections. The ‘Contract Party Contact Id’ column with valid values is required to update existing Party Contacts.

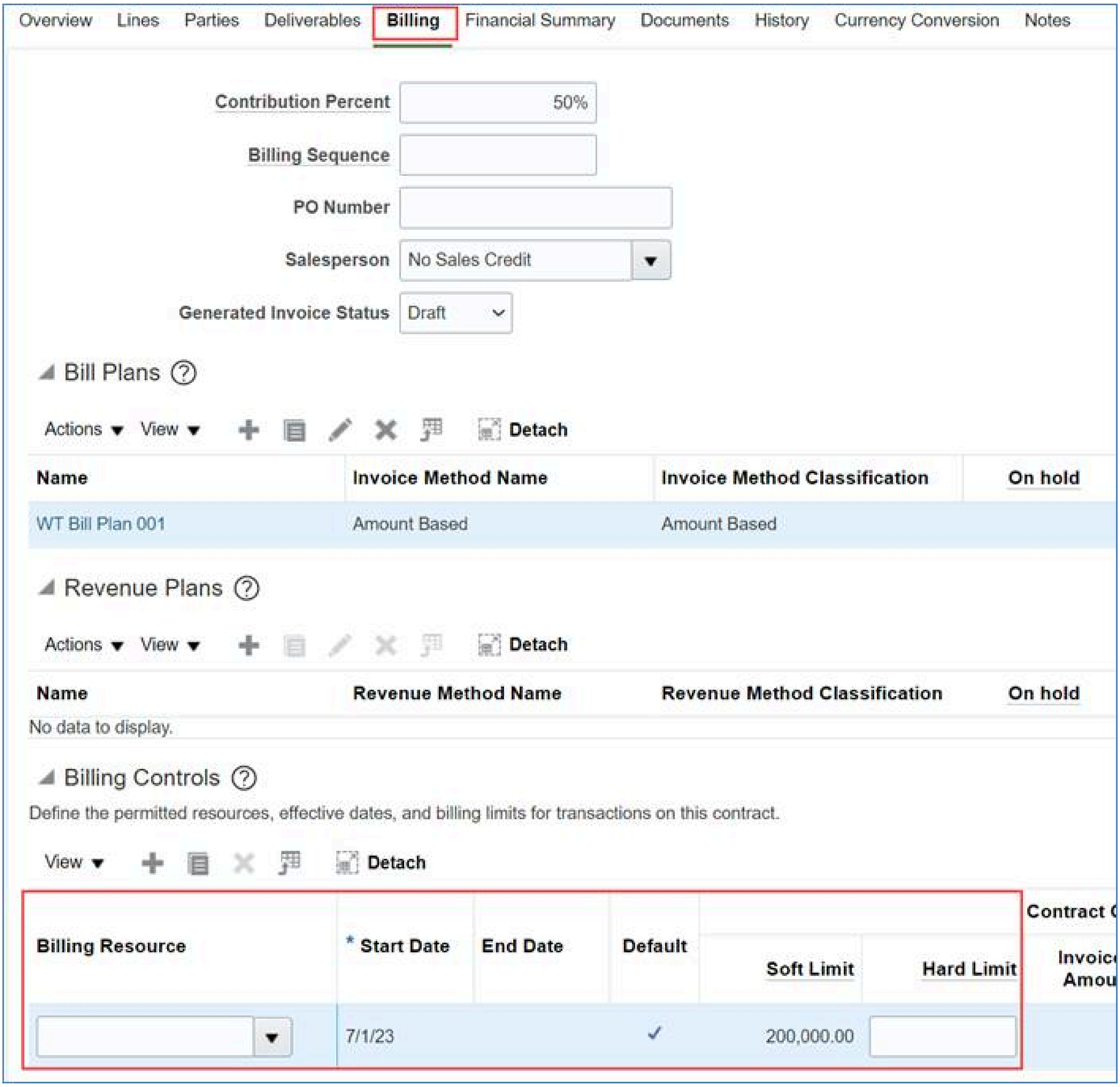
Updating & Creating Billing Controls

When you create a contract with a line amount, an automatic Billing Controls record is generated both in the Header (found under the Billing tab) and in the Lines section.
The Soft Limit amount within the default Billing Control line mirrors the specified amount in the Lines. This value cannot be altered. In the case of the default Billing Control line, only the Billing Resource and the Hard Limit can be entered.

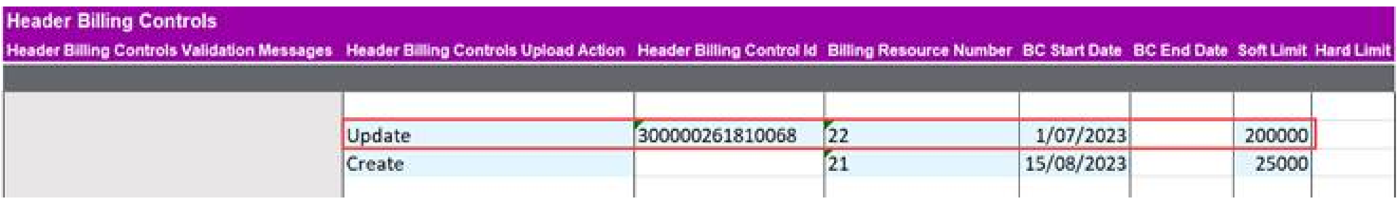
Lines Billing Controls



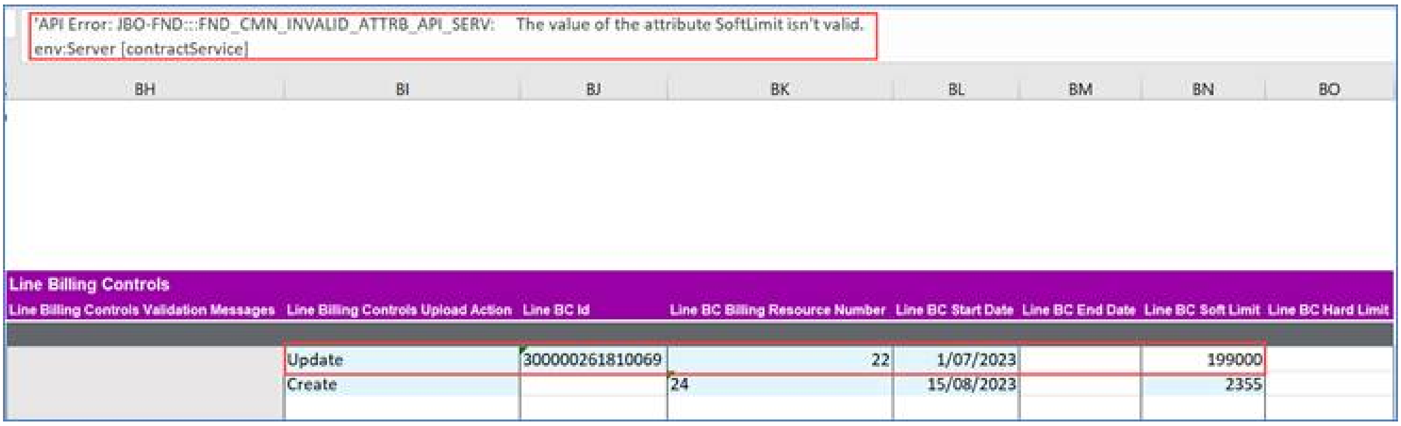
Header Billing Controls



Billing Controls operate the same way in the Contracts Integrator. In the example below, the default Billing Control is updated with a new Billing Resource number. On a new row, a new Billing Control line is also created. To ensure the successful updating of Billing Controls, it's vital to maintain valid values in the ID column of the sheet.

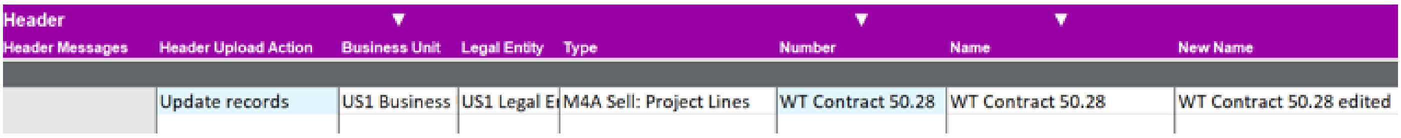


In the example below, an attempt to modify the Soft Limit value for the default Billing Control within the Lines section results in an error. The default Billing Control line exclusively permits updates to the Billing Resource number and the Hard Limit value.



Updating Key Fields

To update the key fields in the Integrator, you must use the corresponding column name prefixed with 'New'. For instance, to update the contract 'Name' field, the column header ' New Name' must be utilized.

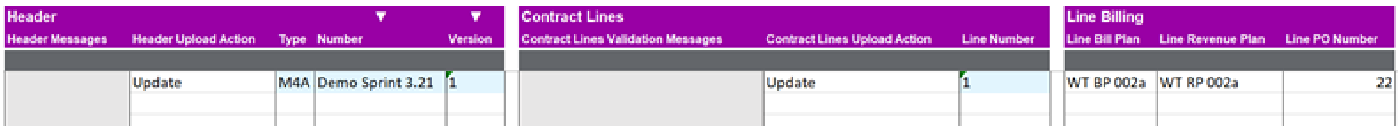


Here are the key fields in the tool that require the corresponding column name prefixed with 'New' to update their values:

- New Bill Plan Name
- New Rev Plan Name
- New Line Number

Line Bill Plan and Line Revenue Plan

Line Bill Plan and Line Revenue Plan cannot be created as part of the Bill Plan and Revenue Plan creation process. They must be updated after Bill Plans and Revenue Plans are created. This feature will be improved in the future releases of the tool.



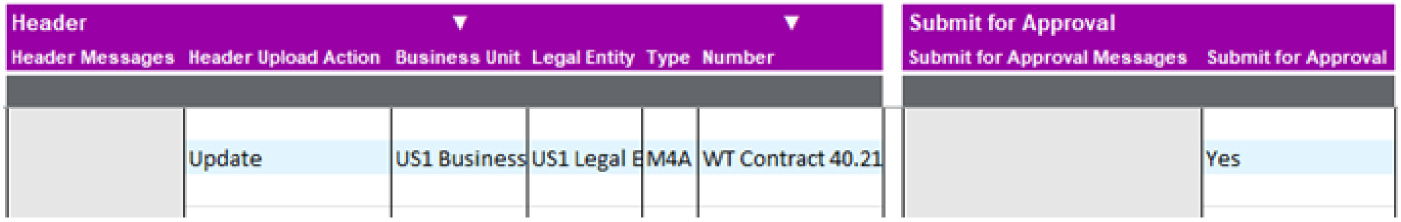
Sections:

[Create Contracts]
[Download Contracts]
[Submit for Approval]
[Delete Contracts]
[Limitations]

Submit for Approval

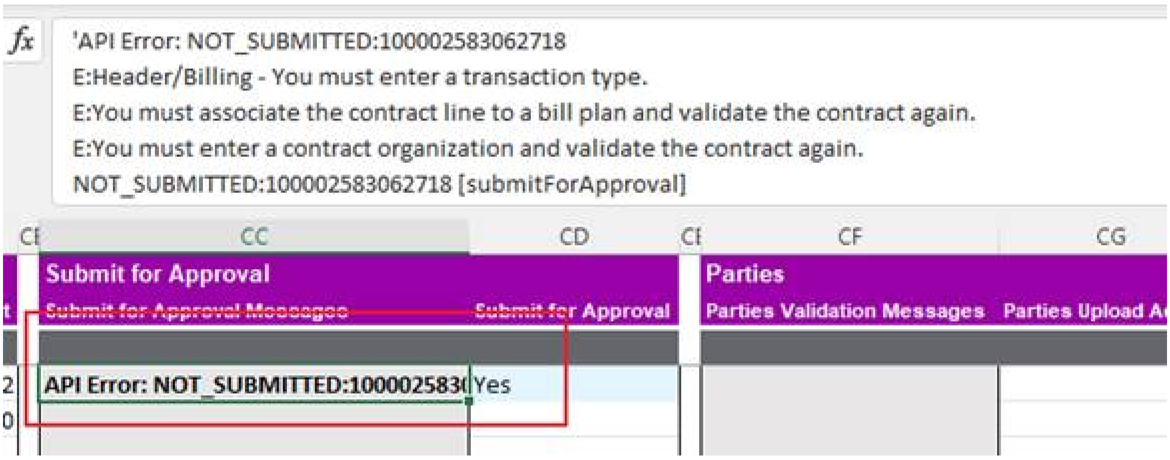
In the tool, 'Submit for Approval' functions as a 'Secondary Action'. This implies that it will only be triggered if all the data on the sheet is valid. If any of the columns contain erroneous information or if the upload process encounters an issue, the 'Submit for Approval' action will not be executed. When a contract is in a state ready to be submitted for approval, follow the steps below:

1. Set "Submit for Approval" to 'Yes'.
2. Ensure "Header Upload Action" is set to 'Update'.
3. Upload.
4. If any section fails, the submission will not proceed.
5. Only when all sections are valid, the submission will be successful.



If the 'Submit for Approval' process is initiated, it will not succeed unless the contract aligns with the business rules and criteria established by the Contracts Administrator.

Here's an example of an error when Submit for Approval is uploaded. Resolve the issues highlighted in the error message before re-uploading the contract for approval. The information regarding the error will be presented in the 'Submit for Approval Messages' column. Carefully review the information, rectify the error, and then proceed to initiate the 'Submit for Approval' process once more.



Sections:
[Create Contracts](#)
[Download Contracts](#)
[Update Contracts](#)
[Delete Contracts](#)
[Limitations](#)

Delete Contracts

Refer to the Uploading section for more information on how to upload the 'Delete' action.

To Delete existing Contracts, More4apps recommends downloading the contracts you want deleted onto the sheet.

To remove contracts, the 'Header Upload Action' column must be set to 'Delete.' This option is currently only available at the contract header section and is not available for other sections in the Integrator. When deleting contracts, all associated child sections will also be removed.

Successful deletions are only applicable to contracts with the status ‘Draft.’ Attempting to delete contracts with non-eligible statuses will result in deletion failure. You can delete multiple contracts in a single upload.

Header						
Header Messages	Header Upload Action	Business Unit	Legal Entity	Type	Number	Status
	Delete	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.20	DRAFT
	Delete	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.21	DRAFT
	Delete	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.22	DRAFT
	Delete	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.23	DRAFT
	Delete	US1 Business Unit	US1 Legal Entity	M4A Sell: Project Lines	Demo Sprint 3.24	DRAFT

Once the desired Contracts are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status is returned to the sheet for Header Status once they are successfully deleted from Oracle.

Contracts	
Status	
Header Status	Header Billing Control
Default Values	
Deleted	
Deleted	
Deleted	

Sections:
Create Contracts
Download Contracts
Update Contracts
Submit for Approval

Limitations

Limitations

Line Bill Plan and Line Revenue Plan

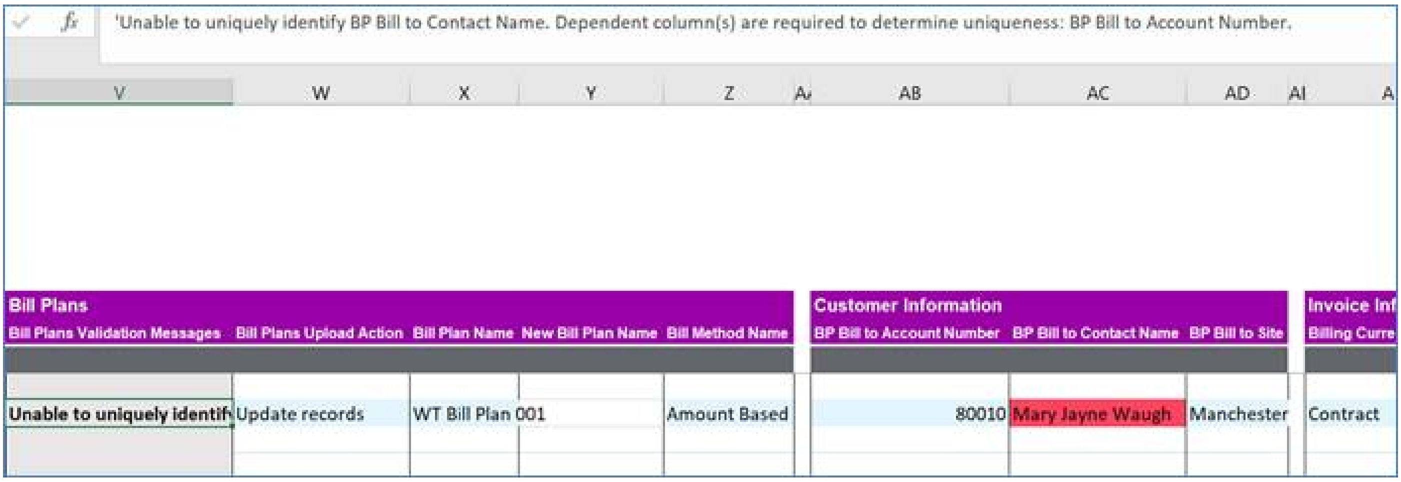
Line Bill Plan and Line Revenue Plan cannot be part of the Create process. Bill Plans and Revenue Plans must be created first and then an update to the Line Bill Plan and Line Revenue Plan needs to be done as a secondary step. There is an enhancement request underway to explore methods of adding the Line Bill Plan and Line Revenue Plan values in the Create process.

Cannot delete child level records

Within the current scope of the Contracts Integrator, it is not possible to perform deletions at the child-level sections, such as deleting specific Contract Lines. Currently, the deletion option is only available for the entire contract. However, there is an enhancement request underway to explore methods of permitting deletions at child-level sections.

Duplicate Bill to Contact Names in the Bill Plans section

There is a bug in the Oracle SOAP web service that affects the handling of duplicate names for the column ‘BP Bill to Contact Name’. Please be aware that having identical names for the Bill to Contact Name in the Bill Plan section is not supported in the Contracts Integrator. If you try to use a duplicate name in the column ‘BP Bill to Contact Name’, it will result in an error being generated.



Updating with Line Type “Free-form, project” with Line Billing Controls in the same upload

We have noticed that some contracts will error if Line Type “Free-form, project” is included with Line Billing Controls in the same upload. Error would look something like this:

```
API Error: JBO-29000: Unexpected exception caught: oracle.jbo.JboException, msg=JBO-29000: Unexpected exception caught: oracle.jbo.ReadOnlyAttrException, msg=JBO-27004: Attribute set for StartDate in entity BillingControlEO failedJBO-29000: Unexpected exception caught: oracle.jbo.ReadOnlyAttrException, msg=JBO-27004: Attribute set for StartDate in entity BillingControlEO failedJBO-27004: Attribute set for StartDate in entity BillingControlEO failed env:Server [contractService]
```

As a workaround, please carry out one of the options below and try the Update action again:

1. Remove columns ‘Line Type’ and ‘Line Item Name’ from the sheet when doing the Update action

2. Remove section ‘Line Billing Controls’ from the sheet when doing the Update action

Sections:
[Create Contracts](#)
[Download Contracts](#)
[Update Contracts](#)
[Submit for Approval](#)
[Delete Contracts](#)

Amend Contracts Integrator

The Amend Contracts Integrator supports the processing of the following actions for multiple contracts:

- Submit Amendments: This action changes the status of the 'Active' contracts to 'Under Amendment,' allowing you to subsequently use the [Contracts Integrator](#) to make updates.
- Close Contracts: This action changes the status of the 'Active' contracts to ‘Closed’

To amend or close contracts, you have three options:

1. Download them via a sheet.
2. Use the Download form.
3. If you already know the contract numbers you want to amend, enter them directly to the sheet without downloading them. The status of the contract must be ‘Active’ AND with the Version Type of ‘C’.

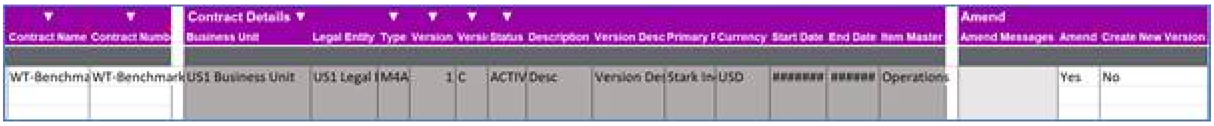
Only contracts with an 'Active' status and a Version Type of 'C' will be searchable on the download form and available for download via the sheet option. Only contracts meeting these criteria will be included in the download. The following example illustrates the process of downloading through a sheet, where you input specific values to act as a download filter.

You must have ‘**Contract Number**’ on the sheet to submit the actions on the sheet. All the greyed-out columns are optional and can be removed if required.

Contracts			Contract Details												
Contracts Validation Messages	Contract Name	Contract Number	Business Unit	Legal Entity	Type	Version	Version Type	Status	Description	Version Description	Primary Party	Currency	Start Date	End Date	Item Master
		WT-Benc%	US1 Business Unit	US1 Legal	M4A	1									
	WT-Benchma	WT-Benchmark 080824.128	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.129	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.16	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.23	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.32	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.33	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.34	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.40	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.109	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation
	WT-Benchma	WT-Benchmark 080824.111	US1 Business Unit	US1 Legal	M4A	1	C	ACTIV	Desc	Version Desc	Stark Indust	USD	#######	######	Operation

You must **not** Amend and Close the same contracts at the same time.

Amend
To submit contracts for amendment, set ‘Amend’ column to ‘Yes’ either by manually entering it into the sheet, or by utilizing the Data Form.



'Create New Version' column indicates whether versions are created upon submitting the contract for amendment. If you leave the 'Create New Version' column **blank**, the default value would be a '**Yes**'. If your setup requires you to enter this value, please enter it before uploading.

Once you're ready, click '**Upload**' to submit the action.

Amend Status column returns a message of 'Accepted' if the contracts are successfully submitted for amendment.

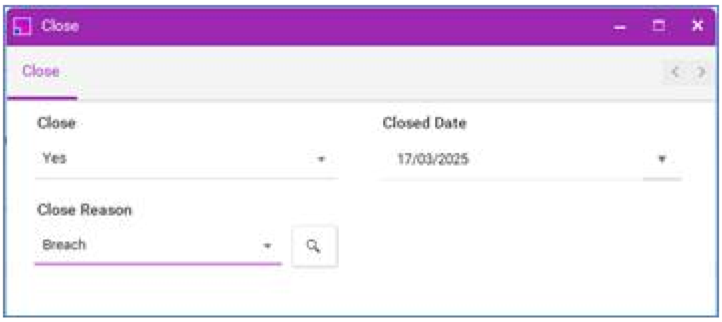
You can now use the Contracts Integrator to modify these contracts.

Close

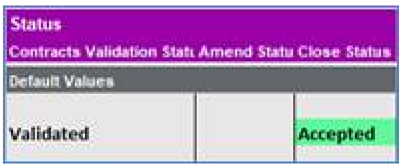
To close contracts, set 'Close' column to 'Yes' either by manually entering it into the sheet, or by utilizing the Data Form.

You must enter 'Closed Date' and 'Close Reason' when you close contracts otherwise you will get an error.

Close Data Form:



Close Status column returns a message of 'Accepted' if the contracts are successfully closed.



Events Integrator can be used to view, create, update, and Delete Billing Events that are in the Contract Management module. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

The Integrator can be used to:

- Create new Events.
- Update eligible Events.
- Delete eligible Events.

Item Based Events are not currently supported in the Events Integrators. Please contact More4apps if you require this functionality.

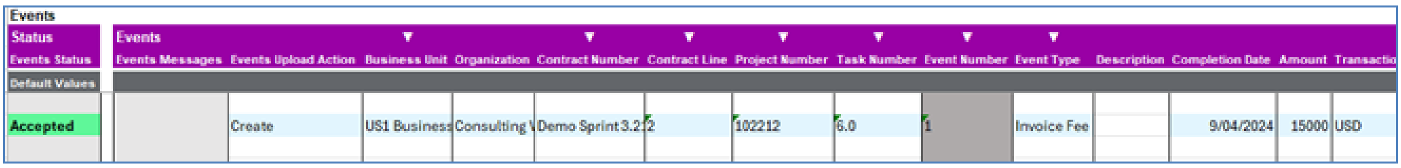
If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:

Create Events

To create a new event, the ‘Header Upload Action’ column value must be **Create**. Please refer to the Uploading section for more information on how to use the Create action.



When events are uploaded to Oracle, the ‘Events Status’ will be set to an ‘Accepted’ status.

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet

- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form

- The Data Form provides an alternative way to enter values.

- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don't know the exact value to enter on the sheet.

The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create events. Use the Data Form to assist:

- **Business Unit** (required): Name of the business unit for the event.
- **Organization**: Name of the organization for the event.
- **Contract Number** (required): Number that uniquely identifies the contract for the event. Valid values are all contracts that belong to the business unit for the event selected in the Business Unit field and are not in Closed or Cancel status.
- **Contract Line** (required): Only Contract Lines linked with a bill plan are eligible for selection for an event.
- **Project Number:** The associated project with a contract line.
- **Task Number:** The associated task within the project task hierarchy associated with a contract line.
- **Event Type** (required): Enter or select an appropriate event type.
- **Transaction Currency:** Enter or select the transaction currency. Leave it blank to default from the bill plan.
- **Hold Invoice:** Indicates that the event is held from invoicing. The options are:
  - Y (Indefinitely - Hold from future billing indefinitely).
  - N (No - Do not hold from billing).
  - O (Once - Hold from the next billing only) flag.

  Leave it blank to default to N (No). You cannot hold billing on revenue write-offs. The Hold Invoice Flag is only enabled for events that can be billed.
- **Hold Revenue:** Indicates that the event is held from recognizing revenue. The options are:
  - Y (Indefinitely - Hold from future revenue accrual indefinitely).
  - N (No - Do not hold from revenue accrual).

  Leave it blank to default to N (No). This flag is applicable only for the Realized Gains and Realized Losses events created by the Revaluate Funding process. The Hold Revenue Flag for the realized gains is set to Y if the corresponding revaluation adjustment funding does not have a baseline, and set to N when the revaluation adjustment funding has a baseline.
- **Reverse Accrual:** Enter or select the Y (Yes) or N (No) flag. Indicates if the event should automatically reverse in the next period. Default value is N. Set the value to Y to have the application automatically create a reversal event. The Completion Date is also mandatory to create a reversal event.

The following fields can be entered manually on the sheet or on the Data Form:

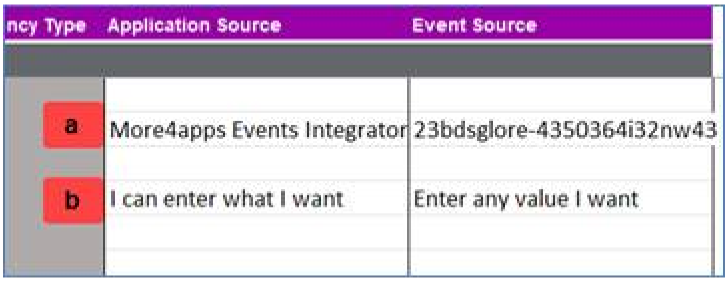
- **Description:** Enter event description or leave it blank to default from the selected Event Type value.
- **Completion Date:** Enter completion date or leave it blank.
- **Amount** (required): Bill transaction amount for the event must be entered.

Application Source and Event Source columns

The Application Source and Event Source columns are not mandatory, and you have the option to leave them blank. If left blank (as indicated by (a) in the figure below), the Events Integrator will automatically insert default values, which are:

- Application Source: More4apps Events Integrator
- Event Source: A randomly generated string of numbers and alphabets

Alternatively, you can input your preferred values (as marked (b) in the figure below) if you prefer not to accept the default ones.



Once an Event is created, the value of these columns cannot be updated. Any attempt to update them **will be ignored**.

Item-Based Events

To create Item-Based Events, the following conditions must be met:

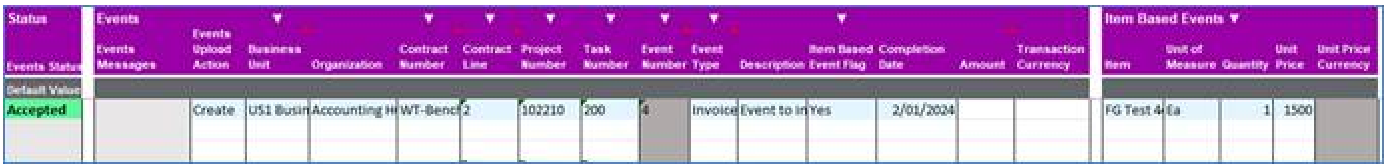
- # The event type must support item-based events.
- # The contract line type must be associated with an item.

On the sheet, the following columns are available for an Item-based event:

- # Item Based Event Flag: Set to 'Yes' for item-based events. Setting it to 'No' or leaving it blank will exclude the item-based event columns.
- # Item: Select an item from the inventory organization tied to the contract. Leave blank to default the item from the contract line.
- # Unit of Measure: Select the unit of measure for the new item. Leave blank to default the unit of measure from the contract line.
- # Quantity (required): Specify the quantity for the item-based event.
- # Unit Price: Enter the unit price or leave it blank to default from the contract line.

Note that the following columns will not be uploaded for item-based events:

- # Amount
- # Transaction Currency



Sections:

[Create Events](#)
[Download Events](#)
[Update Events](#)
[Delete Events](#)
[Troubleshooting](#)

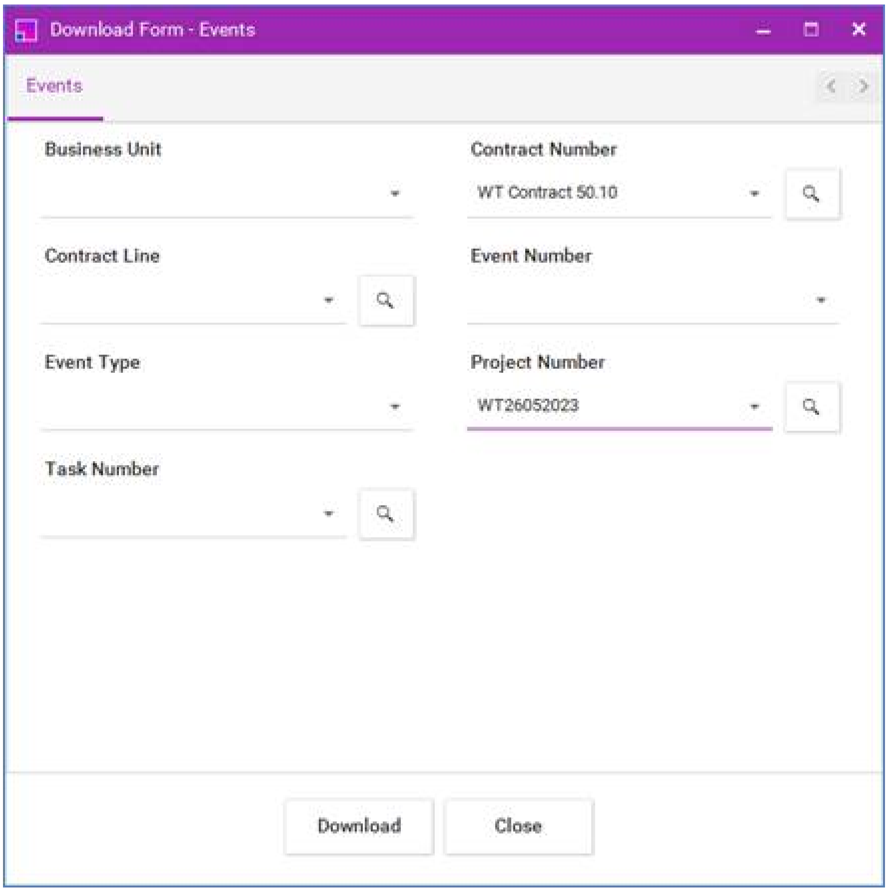
Download Events

There are two ways to download events from Oracle using the Integrator. More information about downloading can be found here.

Download via Form

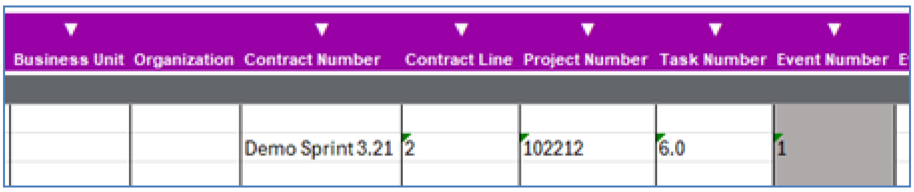
When you select "Download via Form," a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.



Download via Sheet

Note that query conditions on the sheet and in the Download Form are treated as AND clauses rather than OR in the download query.
When the option to ‘Download via Sheet’ is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.



Sections:

Update Events

To update events, the 'Header Upload Action' column value must be 'Update'. Refer to the Uploading section for more information on how to upload the Update action.

To carry out an Update to the existing events, More4apps recommend downloading them first on the sheet. Refer to the Download Events section for more information on how to download.

To update an event, the 'Events Upload Action' must have **Update** action if the values are to be updated or left blank if no processing of the data is required. The following columns are required on the sheet to Update an event:

- Event Number
- Business Unit
- Contract Number
- Contract Line

You cannot update the following columns:

- Business Unit
- Event Number
- Contract Number
- Contract Line
- Item Based Event Flag
- Application Source
- Event Source

For Item based events, the following columns cannot be updated in addition to the above columns:

- Event Type
- Description

Status	Events												
Events Status	Events Messages	Events Upload Action	Business Unit	Organization	Contract Number	Contract Line	Project Number	Task Number	Event Number	Event Type	Description	Completion Date	Amount
Default Values													
Accepted		Create	US1 Business Unit		Demo Sprint 3.21	2			2	Invoice Fee		1/01/2024	1002
Accepted		Update	US1 Business	Accounting H	Demo Sprint 3.21	2	102212	6.0	2	Invoice Fee	Invoice Fee description	2/01/2024	4332
			US1 Business	Accounting H	Demo Sprint 3.21	2	102212	6.0	2	Invoice Fee	Invoice Fee description	2/01/2024	4332

Existing Events that do not have existing Project Numbers and Task Number against them can be updated to add them in. See example below:

Status	Events											
Events Status	Events Message	Events Upload Actio	Business Uni	Organizatio	Contract Number	Contract Lin	Project Numbe	Task Numbe	Event Numbe	Event Type	Description	Completion Da
Default Value		Create	US1 Business	Accounting HC US								
		Original Create										
Accepted		Create	US1 Busine	Accountin	C20015	3	PI20015	6.2	2	Other		20/01/202
Accepted		Create	US1 Busine	Accountin	C20015	3			3	Manual Billing		
		Update Event Number 3										
			US1 Busine	Global Net	C20015	3	PI20015	6.2	2	Other	Event to invoice	20/01/202
Accepted		Update	US1 Busine	Global Net	C20015	3	PI20015	4.2	3	Manual Billing	Manual Billing	
			US1 Busine	Global Net	C20015	3	PI20015	6.2	1	Invoice Fee	Event to invoice fees earned	
		Download to review										
			US1 Busine	Global Net	C20015	3	PI20015	6.2	2	Other	Event to invoice	20/01/202
			US1 Busine	Global Net	C20015	3	PI20015	4.2	3	Manual Billing	Manual Billing	
			US1 Busine	Global Net	C20015	3	PI20015	6.2	1	Invoice Fee	Event to invoice fees earned	

If a contract line has more than one project association, you can update the project number/task number with another that belongs to the same contract line. See example below:

Status	Events									
Events Status	Events Message	Events Upload Action	Business Uni	Organizatio	Contract Number	Contract Lin	Project Numbe	Task Numbe	Event Numbe	Event Type
Default Value		Create	US1 Business	Accounting HC US						
		Original Download								
			US1 Busine	Global Net	C20015	3	PI20015	6.2	2	Other
			US1 Busine	Global Net	C20015	3	PI20015	4.2	3	Manual Billing
			US1 Busine	Global Net	C20015	3	PI20015	6.2	1	Invoice Fee
		Update Event 1								
			US1 Busine	Global Net	C20015	3	PI20015	6.2	2	Other
			US1 Busine	Global Net	C20015	3	PI20015	4.2	3	Manual Billing
Accepted		Update	US1 Busine	Global Net	C20015	3	PI20015	4.2	1	Invoice Fee
		Download to review								
			US1 Busine	Global Net	C20015	3	PI20015	6.2	2	Other
			US1 Busine	Global Net	C20015	3	PI20015	4.2	3	Manual Billing
			US1 Busine	Global Net	C20015	3	PI20015	4.2	1	Invoice Fee

Once the necessary data entry changes are made, upload the changes to Oracle.

The 'Accepted' status is returned to the sheet if all the Updates for the sections are valid and uploaded successfully to Oracle.

Sections:

Create Events
Download Events
Update Events
Delete Events
Troubleshooting

Delete Events

Refer to the Uploading section for more information on how to upload the 'Delete' action.

To Delete existing events, More4apps recommends downloading them to the worksheet first.

To delete an event, the 'Events Upload Action' must have the '**Delete**' action. When you delete events, the entire event record including the Descriptive Flexfields (DFFs) will be deleted.

Once the desired records are marked for Delete, upload the changes to Oracle.

The ‘Deleted’ status is returned to the sheet for ‘Events Status’ once the events are successfully deleted from Oracle.

Status	Events								
Events Status	Events Messages	Events Upload Action	Business Unit	Organization	Contract Number	Contract Line	Project Number	Task Number	Event Number
Default Values									
Deleted		Delete	US1 Business	Accounting H	Demo Sprint 3.21	2	102212	6.0	2

Sections:
Create Events
Download Events
Update Events
Delete Events
Troubleshooting

Troubleshooting

The following are known issues that you may come across in the Events Integrator:

Update Failure
You encounter an API error similar to the following:

```
"API Error: Attribute set for OrganizationId in entity BillingEventEO failed [27004] [1
Batched Events(s)]"
```

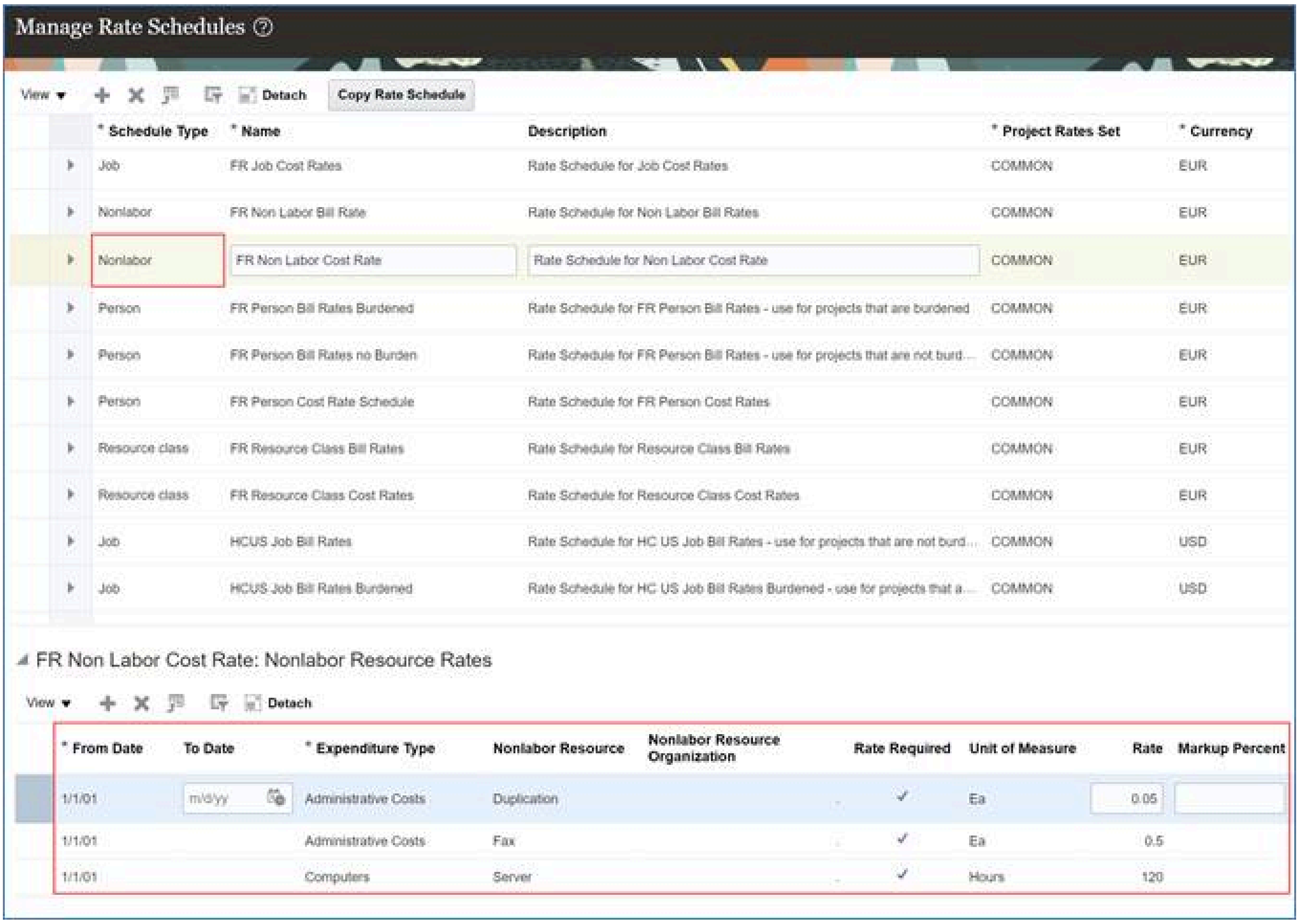
This error indicates that there is a problem with the state of the event, preventing it from being updated.
We recommend trying to update the event directly in Oracle to determine if the issue persists. If successful in Oracle, it may indicate a problem with the Oracle REST web services and you may want to log a Service Request with Oracle. We can help you do this so please log a case with More4appss to help investigate.

Sections:
Create Events
Download Events
Update Events
Delete Events
Troubleshooting

Non Labor Rates Integrator

The Non Labor Rates Integrator is used to create, download, and update Non Labor Rate Schedules, as well as the rates associated with those schedules. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.
Before using this Integrator, ensure you review the Getting Started section to avoid any issues.

Manage Rate Schedules form in Oracle:



Manage Rate Schedules

* Schedule Type	* Name	Description	* Project Rates Set	* Currency
Job	FR Job Cost Rates	Rate Schedule for Job Cost Rates	COMMON	EUR
Nonlabor	FR Non Labor Bill Rate	Rate Schedule for Non Labor Bill Rates	COMMON	EUR
Nonlabor	FR Non Labor Cost Rate	Rate Schedule for Non Labor Cost Rate	COMMON	EUR
Person	FR Person Bill Rates Burdened	Rate Schedule for FR Person Bill Rates - use for projects that are burdened	COMMON	EUR
Person	FR Person Bill Rates no Burden	Rate Schedule for FR Person Bill Rates - use for projects that are not burd...	COMMON	EUR
Person	FR Person Cost Rate Schedule	Rate Schedule for FR Person Cost Rates	COMMON	EUR
Resource class	FR Resource Class Bill Rates	Rate Schedule for Resource Class Bill Rates	COMMON	EUR
Resource class	FR Resource Class Cost Rates	Rate Schedule for Resource Class Cost Rates	COMMON	EUR
Job	HCUS Job Bill Rates	Rate Schedule for HC US Job Bill Rates - use for projects that are not burd...	COMMON	USD
Job	HCUS Job Bill Rates Burdened	Rate Schedule for HC US Job Bill Rates Burdened - use for projects that a...	COMMON	USD

FR Non Labor Cost Rate: Nonlabor Resource Rates

* From Date	To Date	* Expenditure Type	Nonlabor Resource	Nonlabor Resource Organization	Rate Required	Unit of Measure	Rate	Markup Percent
1/1/01	m/d/yy	Administrative Costs	Duplication		✓	Ea	0.05	
1/1/01		Administrative Costs	Fax		✓	Ea	0.5	
1/1/01		Computers	Server		✓	Hours	120	

The Integrator can be used to:

- Create new Non Labor Rate Schedules and Rates.
- Update existing Non Labor Rate Schedules and Rates.
- Download existing Non Labor Rate Schedules and Rates.

The Integrator is exclusively for the Non Labor Rate Schedule Type and cannot be used to manage other types, such as Job or Person. To manage other schedule types available, use the Person Rates Integrator and the Job Rates Integrator.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Create Non Labor Rates
Download Non Labor Rates
Update Non Labor Rates

Create Non Labor Rates

The Non Labor Rates Integrator has two key sections:

Non Labor Rate Schedules: This section manages the creation and organization of rate schedules for jobs.
Non Labor Rates: This section sets or updates the specific rates for each job within a schedule.

Non Labor rate schedules include rates or markup percentages used to calculate costs, billing, revenue, planning, budgeting, forecasting, or transfer prices for non labor resources.

For expenditure types with the Rate Required option enabled, enter a rate or markup percentage. Otherwise, only a markup percentage is needed. Assign rates to non labor resources and optionally to non labor resource organizations.

To create a new Non Labor Rate Schedule, the ‘Non Labor Rate Schedules Upload Action’ column value must be **Create** or **Create records**. Refer to the [Uploading](#) section for more information on how to use the Create action.

To create new Non Labor Rates against a Schedule, the ‘Non Labor Rates Upload Action’ column value must be **Create** or **Create records**. Refer to the [Uploading](#) section for more information on how to use the Create action.

Non Labor Rate Schedule						
Non Labor R	Non Labor Rate S	Rate Schedule Na	New Rate :	Description	Project Rates :	Currency
	Create records	Demo Non Labor Rates T		Testing No	COMMON	USD
	Create	Demo Non Labor Rates T		Testing No	COMMON	USD
	Create records	Demo Non Labor Rates T		Testing No	COMMON	USD

Non Labor Rates									
Non Labor Rat	Non Labor Ra	Rate Id	From Date	To Date	Expenditure Type	Nonlabor Resource	Nonlabor Resource Orga	Rate	Markup Percent
			1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
			1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
			1/01/2024		Administrative (	Project Printers and Scanners		222	
			1/01/2024		Air Compressor				0.59
			1/01/2024		Airfare				35.3
			1/01/2024		Allocation				0.59
			1/01/2024		Heavy Equipment.Crane				35.3
			1/01/2024		Intercompany Charge				35.3
	Create		1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
	Create		1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
	Create		1/01/2024		Administrative (	Project Printers and Scanners		222	
	Create		1/01/2024		Air Compressor				0.59
	Create		1/01/2024		Airfare				35.3
	Create		1/01/2024		Allocation				0.59
	Create		1/01/2024		Heavy Equipment.Crane				35.3
	Create		1/01/2024		Intercompany Charge				35.3
			1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
			1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
			1/01/2024		Administrative (	Project Printers and Scanners		222	
			1/01/2024		Air Compressor				0.59
			1/01/2024		Airfare				35.3
			1/01/2024		Allocation				0.59
			1/01/2024		Heavy Equipment.Crane				35.3
			1/01/2024		Intercompany Charge				35.3

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet:
- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form:
- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don’t know the exact value to enter on the sheet.

The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create rate schedules. Use the Data Form to assist:

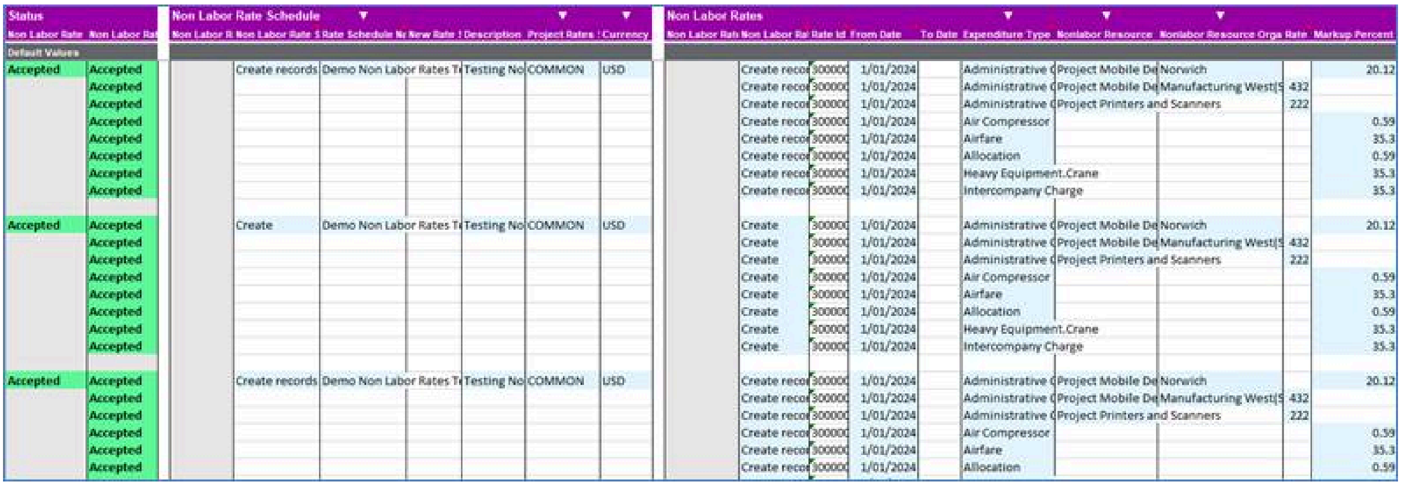
- Rate Schedule Name (required): Enter a unique name for the Rate Schedule.
- Project Rates Set (required): Specifies which Project Rate Set the Rate Schedule will be available for.
- Currency (required): The currency used for the rates in the schedule.
- From Date (required): The start date of the rate.
- To Date: The end date of the rate.
- Expenditure Type (required): Job name for a rate to be created.
- Nonlabor Resource: Dependent on Expenditure Type selected.
- Nonlabor Resource Organization: Dependent on Nonlabor Resource selected.

The following fields can be entered manually on the sheet or on the Data Form:

- Description: Rate Schedule description.
- Rate: Enter a rate or markup percentage for expenditure types with the Rate Required option enabled.
- Markup Percent: Enter a markup percentage for expenditure types with the Rate Required option disabled.

When Non Labor Rate Schedule and Non Labor Rates are uploaded to Oracle, the 'Non Labor Rate Schedules Status' and 'Non Labor Rates Status' will be set to an 'Accepted' status.

You can create a Non Labor Rate Schedule without adding Non Labor Rates initially and return later to add rates if needed.



Status		Non Labor Rate Schedule							Non Labor Rates									
Non Labor Rate	Non Labor Rat	Non Labor R	Non Labor Rate S	Rate Schedule N	New Rate !	Description	Project Rates !	Currency	Non Labor Rat	Non Labor Ra	Rate Id	From Date	To Date	Expenditure Type	Nonlabor Resource	Nonlabor Resource Orga	Rate	Markup Percent
Default Values																		
Accepted	Accepted		Create records	Demo Non Labor Rates T		Testing No	COMMON	USD		Create recor	30000(	1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
	Accepted									Create recor	30000(	1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
	Accepted									Create recor	30000(	1/01/2024		Administrative (	Project Printers and Scanners		222	
	Accepted									Create recor	30000(	1/01/2024		Air Compressor				0.59
	Accepted									Create recor	30000(	1/01/2024		Airfare				35.3
	Accepted									Create recor	30000(	1/01/2024		Allocation				0.59
	Accepted									Create recor	30000(	1/01/2024		Heavy Equipment.Crane				35.3
	Accepted									Create recor	30000(	1/01/2024		Intercompany Charge				35.3
Accepted	Accepted		Create	Demo Non Labor Rates T		Testing No	COMMON	USD		Create	30000(	1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
	Accepted									Create	30000(	1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
	Accepted									Create	30000(	1/01/2024		Administrative (	Project Printers and Scanners		222	
	Accepted									Create	30000(	1/01/2024		Air Compressor				0.59
	Accepted									Create	30000(	1/01/2024		Airfare				35.3
	Accepted									Create	30000(	1/01/2024		Allocation				0.59
	Accepted									Create	30000(	1/01/2024		Heavy Equipment.Crane				35.3
	Accepted									Create	30000(	1/01/2024		Intercompany Charge				35.3
Accepted	Accepted		Create records	Demo Non Labor Rates T		Testing No	COMMON	USD		Create recor	30000(	1/01/2024		Administrative (	Project Mobile De	Norwich		20.12
	Accepted									Create recor	30000(	1/01/2024		Administrative (	Project Mobile De	Manufacturing West(S	432	
	Accepted									Create recor	30000(	1/01/2024		Administrative (	Project Printers and Scanners		222	
	Accepted									Create recor	30000(	1/01/2024		Air Compressor				0.59
	Accepted									Create recor	30000(	1/01/2024		Airfare				35.3
	Accepted									Create recor	30000(	1/01/2024		Allocation				0.59

Sections:

Create Non Labor Rates
Download Non Labor Rates
Update Non Labor Rates

Download Non Labor Rates

Before downloading, ensure that the Enabling BI Report Downloads step for this Integrator is completed. Without this step, the download will not work.

There are two ways to download Non Labor Rate Schedule and Non Labor Rates from Oracle using the Integrator. More information about downloading can be found here.
Non Labor Rates Integrator supports child-level filters which will be explained further below.

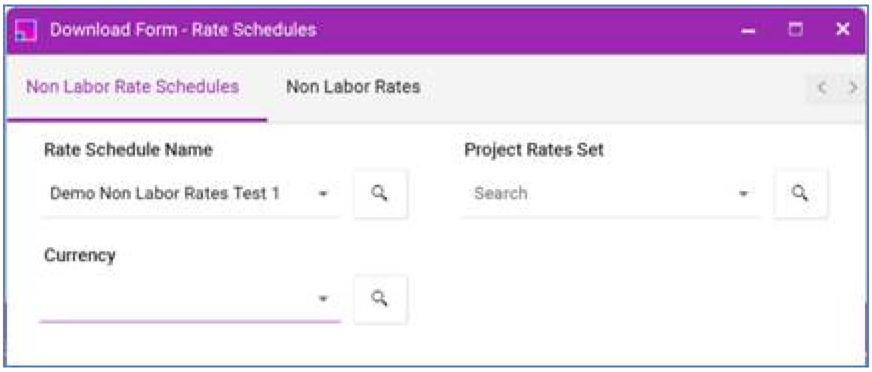
Download via Form

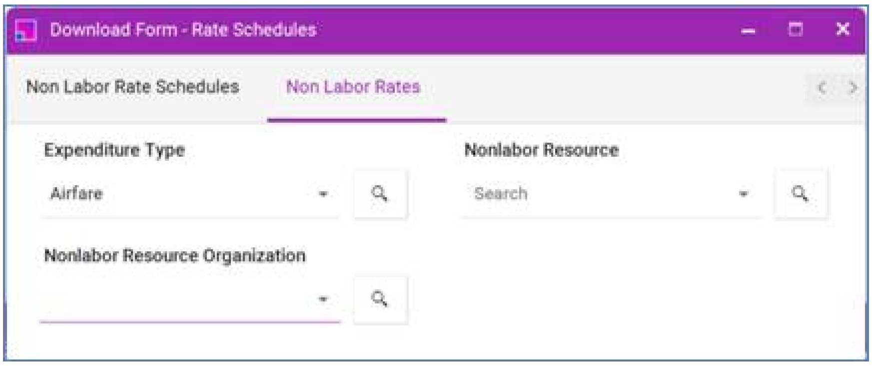
When you select ‘Download via Form’ a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

There are two tabs on the Download Form:

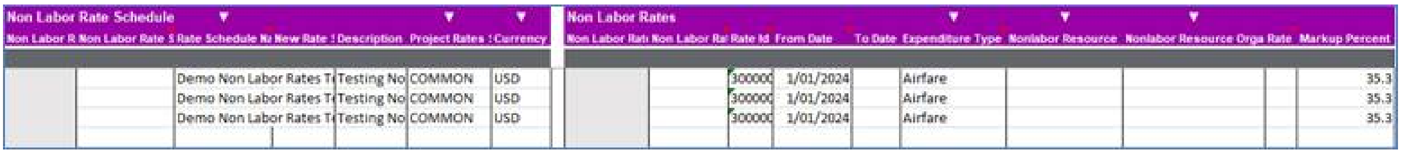
- # Non Labor Rate Schedules: Search the values relating to the rate schedule.
- # Non Labor Rates (child-level filter): Only bring back values that meet the criteria on the form (e.g. only bring back rate schedules/s and rate/s for ‘Airfare’).

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.





This is the result of using child-level filter ‘Non Labor Rates’:
Only the rate schedules and rates belong to ‘Airfare’ are returned to the sheet.



Download via Sheet

Child-Level filters are also supported by Download via Sheet option. Note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.

When the option to ‘Download via Sheet’ is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

Sections:

[Create Non Labor Rates]
[Download Non Labor Rates]
[Update Non Labor Rates]

Update Non Labor Rates

To update Non Labor Rate Schedules, the ‘Non Labor Rate Schedules Upload Action’ column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

To update Non Labor Rates, the ‘Non Labor Rates Upload Action’ column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

For this Integrator, you do not need an upload action at the parent section (Non Labor Rate Schedules) to update the child section (Non Labor Rates).

To carry out an Update to the existing Non Labor Rate Schedules and Non Labor Rates, More4apps recommend downloading them first on the sheet. Refer to the Download Non Labor Rates section for more information on how to download.

The following columns are required on the sheet to update Non Labor Rate Schedules:

Rate Schedule Name

The following columns are required on the sheet to update Non Labor Rates:

Rate Id

These columns cannot be updated and any attempt to update them will either end in an API error or be ignored:

Project Rates Set

- # Currency
- # From Date
- # Expenditure Type

To update the Rate Schedule Name which is a key field in the Integrator, you must use the corresponding column name prefixed with ‘New’. To update the ‘Rate Schedule Name' field, the column header 'New Rate Schedule Name' must be utilized.

Non Labor Rate Schedule					
Non Labor R	Non Labor Rate S	Rate Schedule Name	New Rate Schedule Name	Description	Proje
	Update	Demo Non Labor Rates Test 1	Demo Non Labor Rates Test 1a	Testing No	COM
		Demo Non Labor Rates Test 2		Testing No	COM
		Demo Non Labor Rates Test 3		Testing No	COM

Here’s an example use case for updating:
Expenditure Type ‘Airfare’ has increased its markup percent to 40.5 from 1-Aug-2024 and all the rates for this expenditure type must be updated across the schedules that it belongs to.
The example below shows how to use child-level filtering to only download rates belonging to ‘Airfare’ and then end-dating the old rate and creating a new rate line for it.

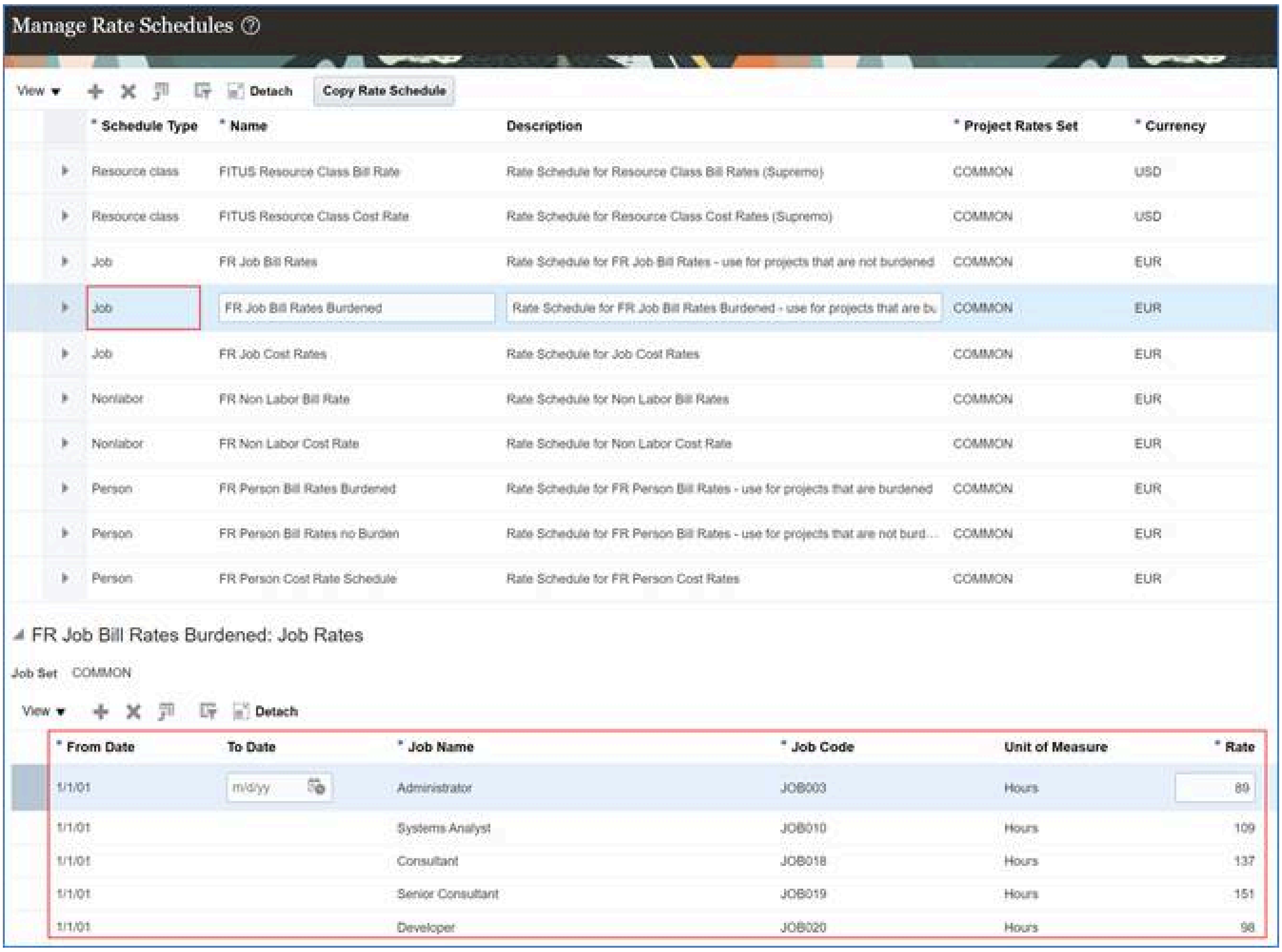
					Non Labor Rates									
Rate Schedule Name	New Rate	Description	Project Rates	Currency	Non Labor Rat	Non Labor Ra	Rate Id	From Date	To Date	Expenditure Type	Nonlab	Nonlab	Rate	Markup Percent
Demo Non Labor Rates Test 1		Testing No	COMMON	USD		Update	300000	1/01/2024	31/07/2024	Airfare				35.3
						Create		1/08/2024		Airfare				40.5
Demo Non Labor Rates Test 2		Testing No	COMMON	USD		Update	300000	1/01/2024	31/07/2024	Airfare				35.3
						Create		1/08/2024		Airfare				40.5
Demo Non Labor Rates Test 3		Testing No	COMMON	USD		Update	300000	1/01/2024	31/07/2024	Airfare				35.3
						Create		1/08/2024		Airfare				40.5

Sections:
Create Non Labor Rates
Download Non Labor Rates
Update Non Labor Rates

Job Rates Integrator

The Job Rates Integrator is used to create, download, and update Job Rate Schedules, as well as the rates associated with those schedules. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.
Before using this Integrator, ensure you review the Getting Started section to avoid any issues.

Manage Rate Schedules form in Oracle:



The Integrator can be used to:

- Create new Job Rate Schedules and Rates.
- Update existing Job Rate Schedules and Rates.
- Download existing Job Rate Schedules and Rates.

The Integrator is exclusively for the Job Rate Schedule Type and cannot be used to manage other types, such as Person or Non Labor. To manage other schedule types available, use the Person Rates Integrator and the Non Labor Rates Integrator.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:

Create Job Rates

The Job Rates Integrator has two key sections:

#	Job Rate Schedules: This section manages the creation and organization of rate schedules for jobs.
#	Job Rates: This section sets or updates the specific rates for each job within a schedule.

Job rate schedules contain rates used to calculate labor transaction amounts.
When creating a job schedule, you must select a job set from Oracle Fusion Human Capital Management, which serves as the source for jobs in the schedule. Rates are then assigned to the jobs within the schedule.

To create a new Job Rate Schedule, the ‘Job Rate Schedules Upload Action’ column value must be **Create** or **Create records**. Refer to the Uploading section for more information on how to use the Create action.

To create new Job Rates against a Schedule, the ‘Job Rates Upload Action’ column value must be **Create** or **Create records**. Refer to the Uploading section for more information on how to use the Create action.

Job Rate Schedules								Job Rates							
Job Rate Sche	Job Rate Schedu	Rate Schedule Name	New Rate	Description	Project Rates	Currency	Job Set Code	Job Rates Mi	Job Rates U	Rate Id	From Date	To Date	Job Name	Job Code	Rate
	Create records	Demo Job Rates 1		Testing Job	COMMON	USD	COMMON				1/01/2024		Accountant	JOB001	200
											1/01/2024		Accounting Clerk	JOB016	201
											1/01/2024		Accounting Manager	JOB068	202
											1/01/2024		Administrative Assistant	JOB011	203
											1/01/2024		Administrator	JOB003	204
											1/01/2024		Analyst	JOB006	205
											1/01/2024		Application Developer	JOB248	206
											1/01/2024		Application Development Manager	JOB246	207
	Create	Demo Job Rates 2		Testing Job	COMMON	USD	COMMON		Create		1/01/2024		Accountant	JOB001	200
									Create		1/01/2024		Accounting Clerk	JOB016	201
									Create		1/01/2024		Accounting Manager	JOB068	202
									Create		1/01/2024		Administrative Assistant	JOB011	203
									Create		1/01/2024		Administrator	JOB003	204
									Create		1/01/2024		Analyst	JOB006	205
									Create		1/01/2024		Application Developer	JOB248	206
									Create		1/01/2024		Application Development Manager	JOB246	207
	Create records	Demo Job Rates 3		Testing Job	COMMON	USD	COMMON				1/01/2024		Accountant	JOB001	200
											1/01/2024		Accounting Clerk	JOB016	201
											1/01/2024		Accounting Manager	JOB068	202
											1/01/2024		Administrative Assistant	JOB011	203
											1/01/2024		Administrator	JOB003	204
											1/01/2024		Analyst	JOB006	205
											1/01/2024		Application Developer	JOB248	206
											1/01/2024		Application Development Manager	JOB246	207

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages:

Direct Input on the Sheet
- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form
- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don’t know the exact value to enter on the sheet.

The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create rate schedules. Use the Data Form to assist:

#	Rate Schedule Name (required): Enter a unique name for the Rate Schedule.

Project Rates Set (required): Specifies which Project Rate Set the Rate Schedule will be available for.
Currency (required): The currency used for the rates in the schedule.
Job Set Code (required): The source for jobs in the schedule.
From Date (required): The start date of the rate.

- To Date: The end date of the rate.

Job Name (required): Job name for a rate to be created.
Job Code: Defaults from Job Name.

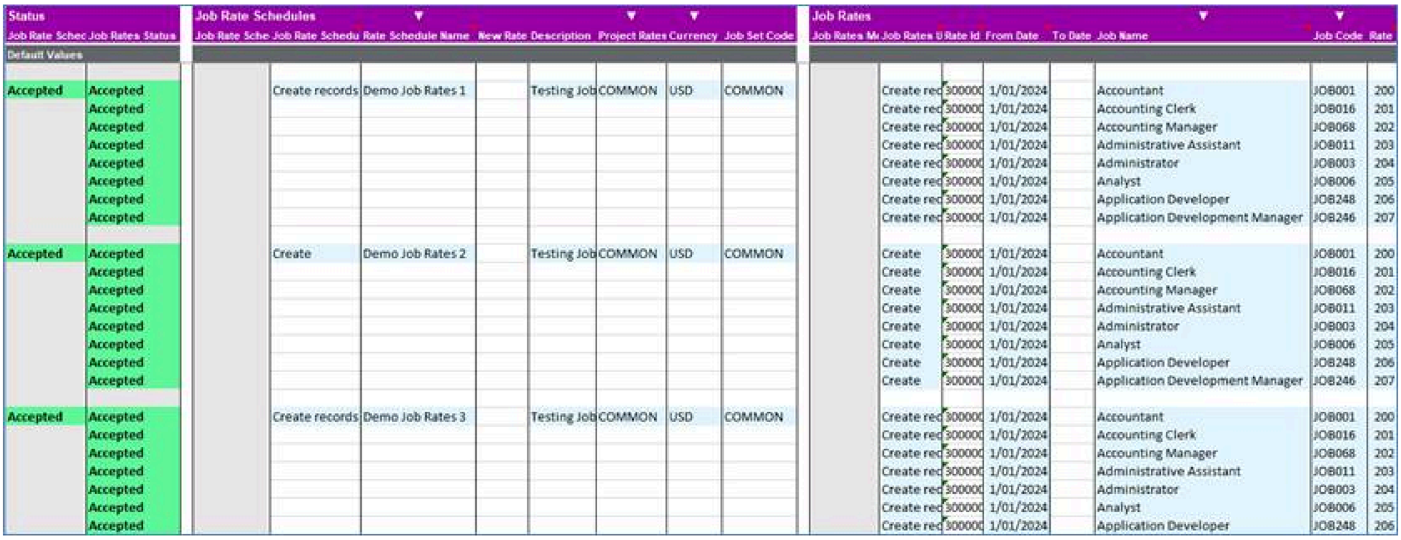
The following fields can be entered manually on the sheet or on the Data Form:

- Description: Rate Schedule description.

Rate: A Rate or Markup Percent must be entered against a Job Rate.

When Job Rate Schedule and Job Rates are uploaded to Oracle, the ‘Job Rate Schedules Status’ and ‘Job Rates Status’ will be set to an ‘Accepted’ status.

You can create a Job Rate Schedule without adding Job Rates initially and return later to add rates if needed.



Status		Job Rate Schedules								Job Rates							
Job Rate Schec	Job Rates Status	Job Rate Sche	Job Rate Schedu	Rate Schedule Name	New Rate	Description	Project Rates	Currency	Job Set Code	Job Rates Mi	Job Rates U	Rate Id	From Date	To Date	Job Name	Job Code	Rate
Default Values																	
Accepted	Accepted		Create records	Demo Job Rates 1		Testing Job	COMMON	USD	COMMON		Create rec	300000	1/01/2024		Accountant	JOB001	200
	Accepted										Create rec	300000	1/01/2024		Accounting Clerk	JOB016	201
	Accepted										Create rec	300000	1/01/2024		Accounting Manager	JOB068	202
	Accepted										Create rec	300000	1/01/2024		Administrative Assistant	JOB011	203
	Accepted										Create rec	300000	1/01/2024		Administrator	JOB003	204
	Accepted										Create rec	300000	1/01/2024		Analyst	JOB006	205
	Accepted										Create rec	300000	1/01/2024		Application Developer	JOB248	206
	Accepted										Create rec	300000	1/01/2024		Application Development Manager	JOB246	207
Accepted	Accepted		Create	Demo Job Rates 2		Testing Job	COMMON	USD	COMMON		Create	300000	1/01/2024		Accountant	JOB001	200
	Accepted										Create	300000	1/01/2024		Accounting Clerk	JOB016	201
	Accepted										Create	300000	1/01/2024		Accounting Manager	JOB068	202
	Accepted										Create	300000	1/01/2024		Administrative Assistant	JOB011	203
	Accepted										Create	300000	1/01/2024		Administrator	JOB003	204
	Accepted										Create	300000	1/01/2024		Analyst	JOB006	205
	Accepted										Create	300000	1/01/2024		Application Developer	JOB248	206
	Accepted										Create	300000	1/01/2024		Application Development Manager	JOB246	207
Accepted	Accepted		Create records	Demo Job Rates 3		Testing Job	COMMON	USD	COMMON		Create rec	300000	1/01/2024		Accountant	JOB001	200
	Accepted										Create rec	300000	1/01/2024		Accounting Clerk	JOB016	201
	Accepted										Create rec	300000	1/01/2024		Accounting Manager	JOB068	202
	Accepted										Create rec	300000	1/01/2024		Administrative Assistant	JOB011	203
	Accepted										Create rec	300000	1/01/2024		Administrator	JOB003	204
	Accepted										Create rec	300000	1/01/2024		Analyst	JOB006	205
	Accepted										Create rec	300000	1/01/2024		Application Developer	JOB248	206

Sections:
[Create Job Rates](#)
[Download Job Rates](#)
[Update Job Rates](#)

Download Job Rates

Before downloading, ensure that the [Enabling BI Report Downloads](#) step for this Integrator is completed. Without this step, the download will not work.

There are two ways to download Job Rate Schedule and Job Rates from Oracle using the Integrator. More information about downloading can be found [here](#).
Job Rates Integrator supports child-level filters which will be explained further below.

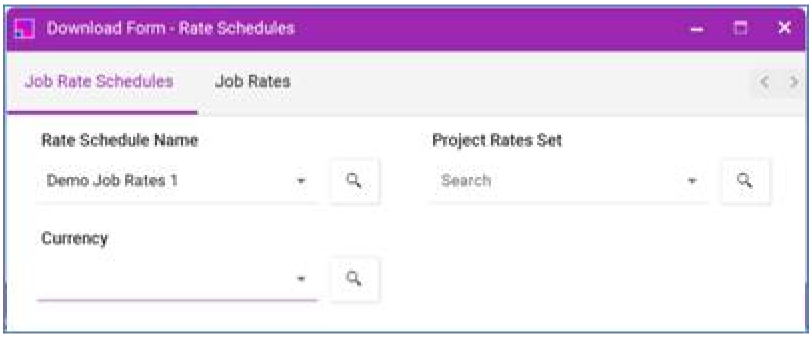
Download via Form

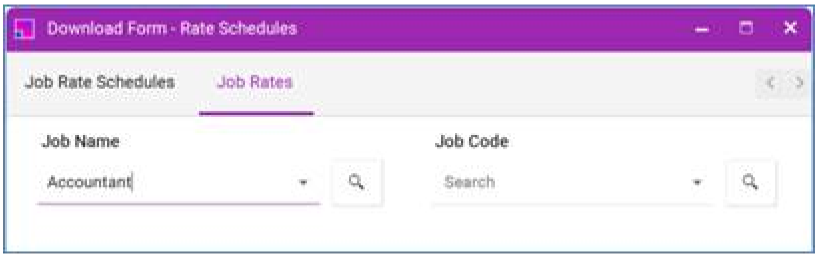
When you select ‘Download via Form’ a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

There are two tabs on the Download Form:

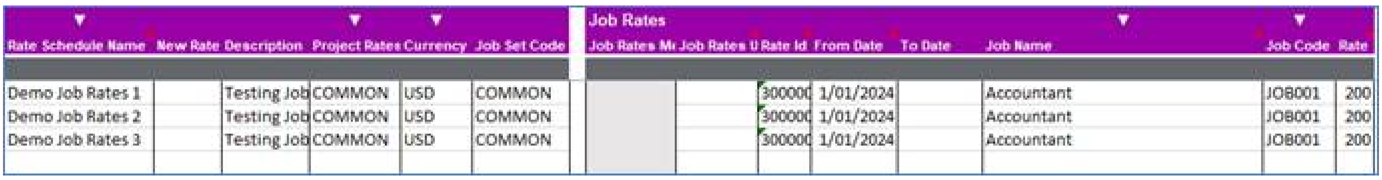
- # Job Rate Schedules: Search the values relating to the rate schedule.
- # Job Rates (child-level filter): Only bring back values that meet the criteria on the form (e.g. only bring back rate schedules/s and rate/s for ‘Accountant’).

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.





This is the result of using child-level filter ‘Job Rates’:
Only the rate schedules and rates belong to ‘Accountant’ are returned to the sheet.



Rate Schedule Name	New Rate	Description	Project Rates	Currency	Job Set Code	Job Rates Mi	Job Rates U	Rate Id	From Date	To Date	Job Name	Job Code	Rate
Demo Job Rates 1		Testing Job	COMMON	USD	COMMON			30000(	1/01/2024		Accountant	JOB001	200
Demo Job Rates 2		Testing Job	COMMON	USD	COMMON			30000(	1/01/2024		Accountant	JOB001	200
Demo Job Rates 3		Testing Job	COMMON	USD	COMMON			30000(	1/01/2024		Accountant	JOB001	200

Download via Sheet

Child-Level filters are also supported by Download via Sheet option. Note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.
When the option to ‘Download via Sheet’ is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

Job Rates							
Job Rates Me	Job Rates U	Rate Id	From Date	To Date	Job Name	Job Code	Rate
					Accountant		

Sections:
[Create Job Rates](#)
[Download Job Rates](#)
[Update Job Rates](#)

Update Job Rates

To update Job Rate Schedules, the ‘Job Rate Schedules Upload Action’ column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

To update Job Rates, the ‘Job Rates Upload Action’ column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

For this Integrator, you do not need an upload action at the parent section (Job Rate Schedules) to update the child section (Job Rates).

To carry out an Update to the existing Job Rate Schedules and Job Rates, More4apps recommend downloading them first on the sheet. Refer to the Download Job Rates section for more information on how to download.

The following columns are required on the sheet to update Job Rate Schedules:

- # Rate Schedule Name

The following columns are required on the sheet to update Job Rates:

- # Rate Id

These columns cannot be updated and any attempt to update them will either end in an API error or be ignored:

- # Project Rates Set
- # Job Set Code
- # Currency
- # From Date
- # Job Name
- # Job Code

To update the Rate Schedule Name which is a key field in the Integrator, you must use the corresponding column name prefixed with ‘New’. To update the ‘Rate Schedule Name' field, the column header 'New Rate Schedule Name' must be utilized.

Job Rate Schedules						
Job Rate Sche	Job Rate Schedu	Rate Schedule Name	New Rate Schedule Name	Description	Pro
	Update	Demo Job Rates 1	Demo Job Rates 1a	Testing Job	CO
		Demo Job Rates 2		Testing Job	CO
		Demo Job Rates 3		Testing Job	CO

Here's an example use case for updating:
Job Name 'Accountant' has increased its rate to 250 from 1-Aug-2024 and all the rates for this job must be updated across the schedules that it belongs to.
The example below shows how to use child-level filtering to only download rates belonging to 'Accountant' and then end-dating the old rate and creating a new rate line for it.

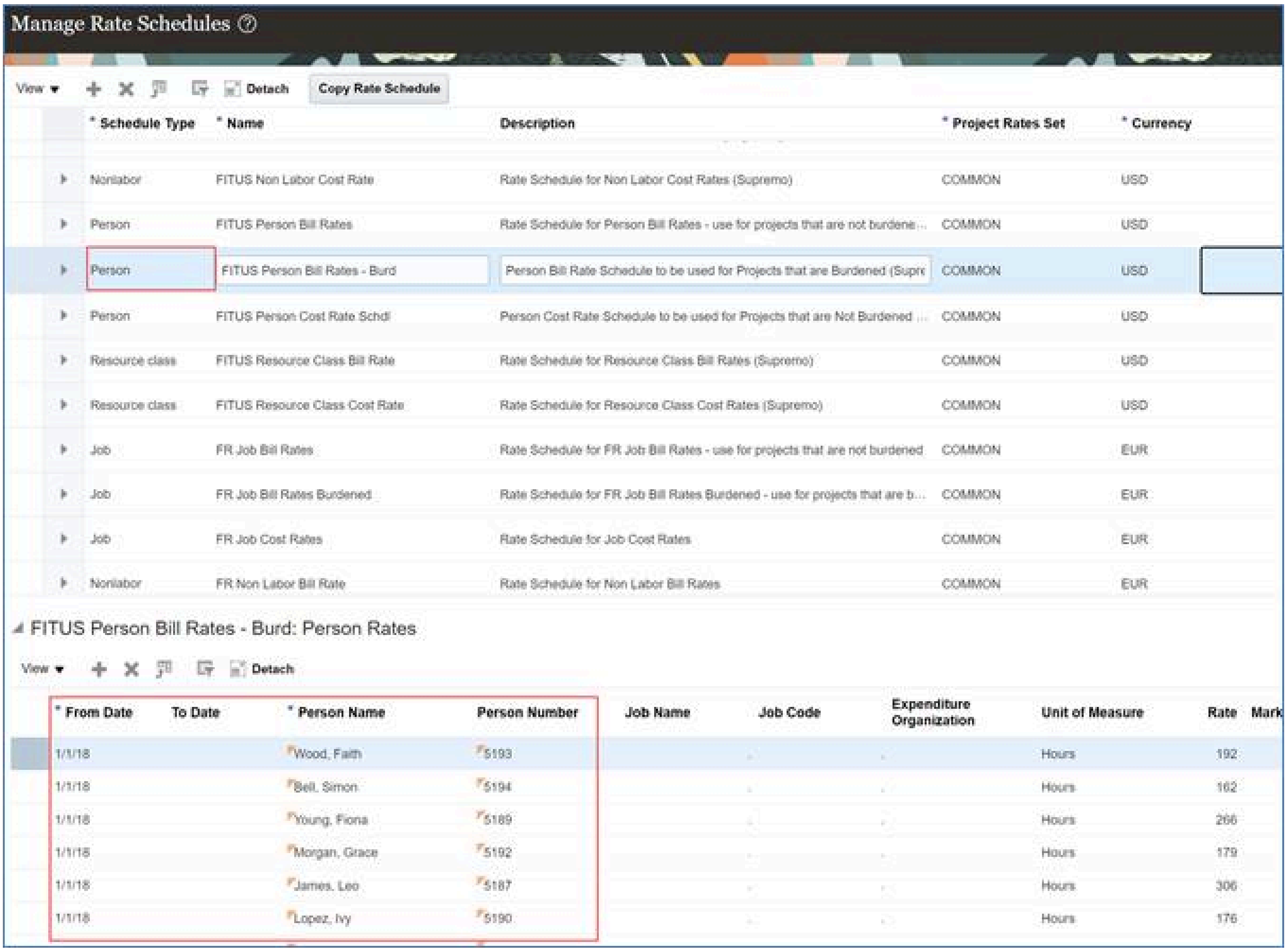
Rate Schedule Name	New Rat	Description	Project Rates	Currency	Job Set Code	Job Rates Job Rates Mi	Job Rates U	Rate Id	From Date	To Date	Job Name	Job Code	Rate
Demo Job Rates 1		Testing Job	COMMON	USD	COMMON		Update	300000	1/01/2024	31/07/2024	Accountant	JOB001	200
							Create		1/08/2024		Accountant		250
Demo Job Rates 2		Testing Job	COMMON	USD	COMMON		Update	300000	1/01/2024	31/07/2024	Accountant	JOB001	200
							Create		1/08/2024		Accountant		250
Demo Job Rates 3		Testing Job	COMMON	USD	COMMON		Update	300000	1/01/2024	31/07/2024	Accountant	JOB001	200
							Create		1/08/2024		Accountant		250

Sections:
Create Job Rates
Download Job Rates
Update Job Rates

Person Rates Integrator

The Person Rates Integrator is used to create, download, and update Person Rate Schedules, as well as the rates associated with those schedules. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.
Before using this Integrator, ensure you review the Getting Started section to avoid any issues.

Manage Rate Schedules form in Oracle:



The Integrator can be used to:

- Create new Person Rate Schedules and Rates.
- Update existing Person Rate Schedules and Rates.
- Download existing Person Rate Schedules and Rates.

The Integrator is exclusively for the Person or Employee Rate Schedule Type and cannot be used to manage other types, such as Job or Non Labor. To manage other schedule types available, use the Job Rates Integrator and the Non Labor Rates Integrator.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Create Person Rates
Download Person Rates
Update Person Rates

Create Person Rates

The Person Rates Integrator has two key sections:

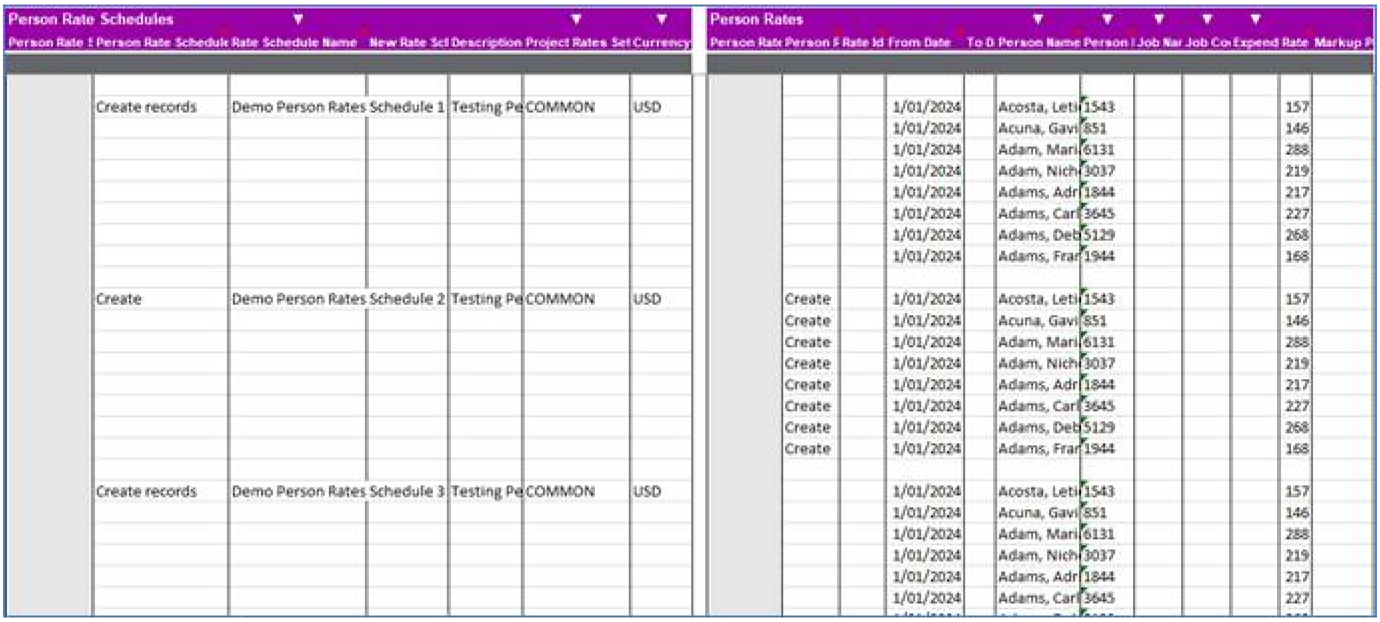
Person Rate Schedules: This section manages the creation and organization of rate schedules for individuals.
Person Rates: This section sets or updates the specific rates for each person within a schedule.

When you define a person rate schedule, the name of the person is mandatory, but you can optionally include a worker's job and organization from any one of their HR assignments. Within a person rate schedule, you can maintain rates at the following levels:

Person
Person and job
Person, job, and organization

To create a new Person Rate Schedule, the ‘Person Rate Schedules Upload Action’ column value must be **Create** or **Create records**. Refer to the Uploading section for more information on how to use the Create action.

To create new Person Rates against a Schedule, the ‘Person Rates Upload Action’ column value must be **Create** or **Create records**. Refer to the Uploading section for more information on how to use the Create action.



Person Rate S	Person Rate Schedule	Rate Schedule Name	New Rate Sc	Description	Project Rates Set	Currency	Person Rat	Person F	Rate Id	From Date	To D	Person Name	Person I	Job Nar	Job Co	Expend	Rate	Markup P
Person Rate Schedules							Person Rates											
	Create records	Demo Person Rates Schedule 1		Testing Pe	COMMON	USD				1/01/2024		Acosta, Leti	1543				157	
										1/01/2024		Acuna, Gavi	851				146	
										1/01/2024		Adam, Mari	6131				288	
										1/01/2024		Adam, Nich	3037				219	
										1/01/2024		Adams, Adr	1844				217	
										1/01/2024		Adams, Carl	3645				227	
										1/01/2024		Adams, Deb	5129				268	
										1/01/2024		Adams, Frar	1944				168	
	Create	Demo Person Rates Schedule 2		Testing Pe	COMMON	USD		Create		1/01/2024		Acosta, Leti	1543				157	
								Create		1/01/2024		Acuna, Gavi	851				146	
								Create		1/01/2024		Adam, Mari	6131				288	
								Create		1/01/2024		Adam, Nich	3037				219	
								Create		1/01/2024		Adams, Adr	1844				217	
								Create		1/01/2024		Adams, Carl	3645				227	
								Create		1/01/2024		Adams, Deb	5129				268	
								Create		1/01/2024		Adams, Frar	1944				168	
	Create records	Demo Person Rates Schedule 3		Testing Pe	COMMON	USD				1/01/2024		Acosta, Leti	1543				157	
										1/01/2024		Acuna, Gavi	851				146	
										1/01/2024		Adam, Mari	6131				288	
										1/01/2024		Adam, Nich	3037				219	
										1/01/2024		Adams, Adr	1844				217	
										1/01/2024		Adams, Carl	3645				227	

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet
- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form
- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.

- This can be useful when you don't know the exact value to enter on the sheet.

The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create rate schedules. Use the Data Form to assist:

Rate Schedule Name (required): Enter a unique name for the Rate Schedule.

Project Rates Set (required): Specifies which Project Rate Set the Rate Schedule will be available for.

Currency (required): The currency used for the rates in the schedule.

From Date (required): The start date of the rate.

- To Date: The end date of the rate.

Person Name (required): Person name for a rate to be created.

Person Number: Defaults from Person Name but if the Person Name is a duplicate, person number must be selected.

Job Name: Job name/s against a person. If there are multiple jobs against the person, you may select one from the list.

Job Code: Defaults from Job Name.

Expenditure Organization: Defaults from Job Code.

The following fields can be entered manually on the sheet or on the Data Form:

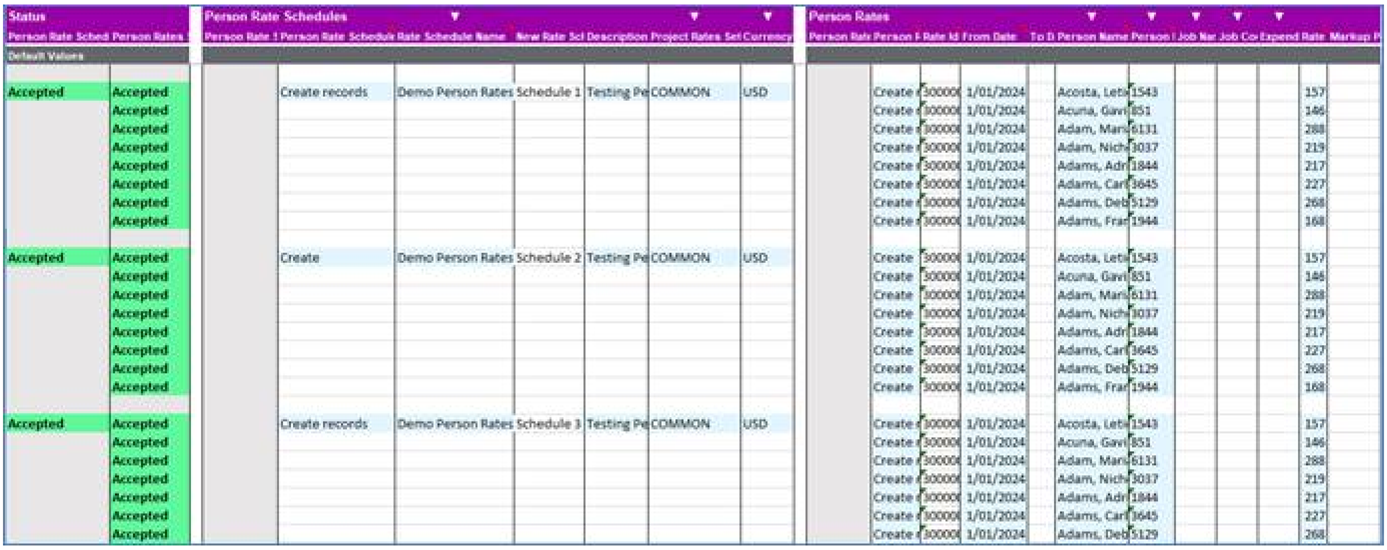
- Description: Rate Schedule description.

Rate: A Rate or Markup Percent must be entered against a person rate.

Markup Percent: A Rate or Markup Percent must be entered against a person rate.

When Person Rate Schedule and Person Rates are uploaded to Oracle, the 'Person Rate Schedules Status' and 'Person Rates Status' will be set to an 'Accepted' status.

You can create a Person Rate Schedule without adding person rates initially and return later to add rates if needed.



Status		Person Rate Schedules							Person Rates											
Person Rate Sched	Person Rates	Person Rate S	Person Rate Schedule	Rate Schedule Name	New Rate Sch	Description	Project Rates Set	Currency	Person Rate	Person R	Rate Id	From Date	To D	Person Name	Person I	Job Nar	Job Co	Expend	Rate	Markup P
Default Values																				
Accepted	Accepted		Create records	Demo Person Rates	Schedule 1	Testing Pe	COMMON	USD		Create r	30000	1/01/2024		Acosta, Leti	1543				157	
	Accepted									Create r	30000	1/01/2024		Acuna, Gavi	851				146	
	Accepted									Create r	30000	1/01/2024		Adam, Mari	6131				288	
	Accepted									Create r	30000	1/01/2024		Adam, Nich	3037				219	
	Accepted									Create r	30000	1/01/2024		Adams, Adr	1844				217	
	Accepted									Create r	30000	1/01/2024		Adams, Carl	3645				227	
	Accepted									Create r	30000	1/01/2024		Adams, Deb	5129				268	
	Accepted									Create r	30000	1/01/2024		Adams, Fran	1944				168	
Accepted	Accepted		Create	Demo Person Rates	Schedule 2	Testing Pe	COMMON	USD		Create	30000	1/01/2024		Acosta, Leti	1543				157	
	Accepted									Create	30000	1/01/2024		Acuna, Gavi	851				146	
	Accepted									Create	30000	1/01/2024		Adam, Mari	6131				288	
	Accepted									Create	30000	1/01/2024		Adam, Nich	3037				219	
	Accepted									Create	30000	1/01/2024		Adams, Adr	1844				217	
	Accepted									Create	30000	1/01/2024		Adams, Carl	3645				227	
	Accepted									Create	30000	1/01/2024		Adams, Deb	5129				268	
	Accepted									Create	30000	1/01/2024		Adams, Fran	1944				168	
Accepted	Accepted		Create records	Demo Person Rates	Schedule 3	Testing Pe	COMMON	USD		Create r	30000	1/01/2024		Acosta, Leti	1543				157	
	Accepted									Create r	30000	1/01/2024		Acuna, Gavi	851				146	
	Accepted									Create r	30000	1/01/2024		Adam, Mari	6131				288	
	Accepted									Create r	30000	1/01/2024		Adam, Nich	3037				219	
	Accepted									Create r	30000	1/01/2024		Adams, Adr	1844				217	
	Accepted									Create r	30000	1/01/2024		Adams, Carl	3645				227	
	Accepted									Create r	30000	1/01/2024		Adams, Deb	5129				268	

Sections:
[Create Person Rates](#)
[Download Person Rates](#)
[Update Person Rates](#)

Download Person Rates

Before downloading, ensure that the [Enabling BI Report Downloads] step for this Integrator is completed. Without this step, the download will not work.

There are two ways to download Person Rate Schedule and Person Rates from Oracle using the Integrator. More information about downloading can be found [here].
Person Rates Integrator supports child-level filters which will be explained further below.

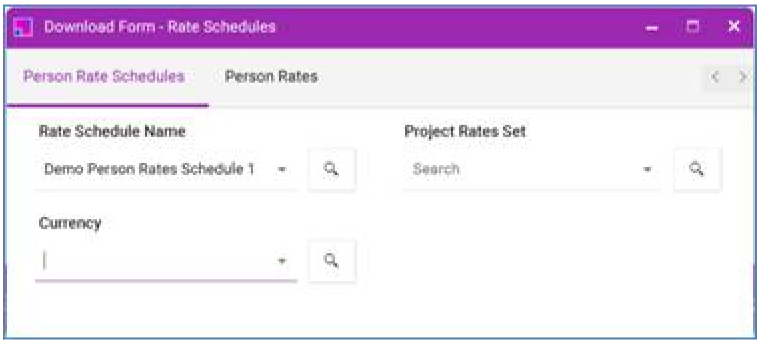
Download via Form

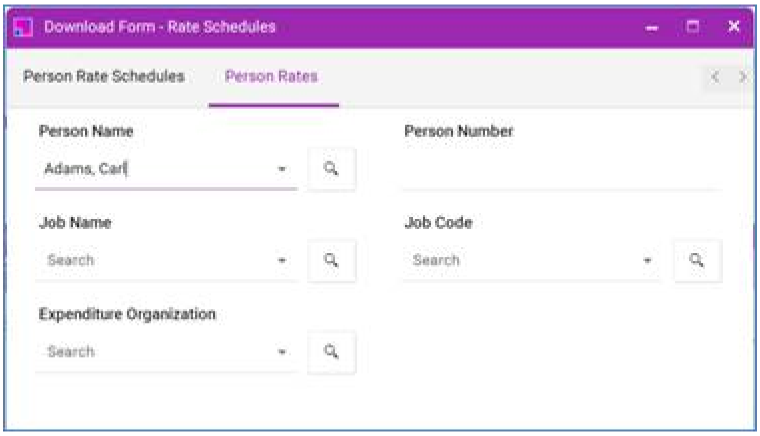
When you select ‘Download via Form’ a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

There are two tabs on the Download Form:

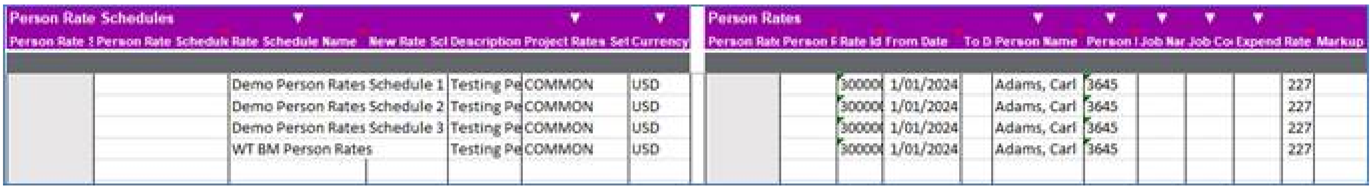
- Person Rate Schedules: Search the values relating to the rate schedule.
- Person Rates (child-level filter): Only bring back values that meet the criteria on the form (e.g. only bring back rate schedules/s and rate/s for ‘Adams, Carl’).

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.



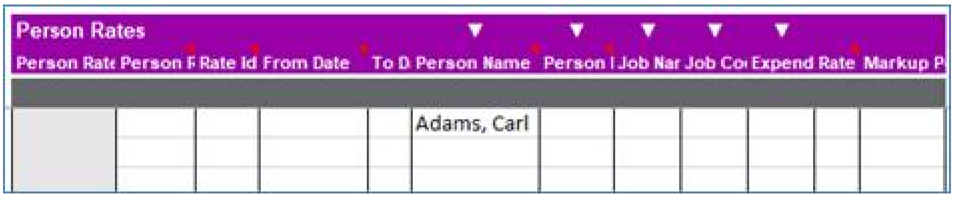


The is the result of using child-level filter ‘Person Rates’:
Only the rate schedules and rates belong to ‘Adams, Carl’ are returned to the sheet.



Download via Sheet

Child-Level filters are also supported by Download via Sheet option. Note that query conditions on the sheet and in the Download form are treated as AND clauses rather than OR in the download query.
When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.



Sections:
[Create Person Rates]
[Download Person Rates]
[Update Person Rates]

Update Person Rates

To update Person Rate Schedules, the 'Person Rate Schedules Upload Action' column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

To update Person Rates, the 'Person Rates Upload Action' column value must be **Update** or **Update records**. Refer to the Uploading section for more information on how to upload the Update action.

For this Integrator, you do not need an upload action at the parent section (Person Rate Schedules) to update the child section (Person Rates).

To carry out an Update to the existing Person Rate Schedules and Person Rates, More4apps recommend downloading them first on the sheet. Refer to the Download Person Rates section for more information on how to download.

The following columns are required on the sheet to update Person Rate Schedules:

Rate Schedule Name

The following columns are required on the sheet to update Person Rates:

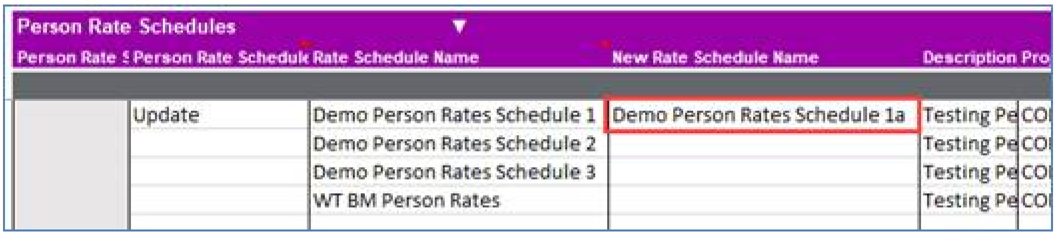
Rate Id

These columns cannot be updated and any attempt to update them will either end in an API error or be ignored.

Project Rates Set

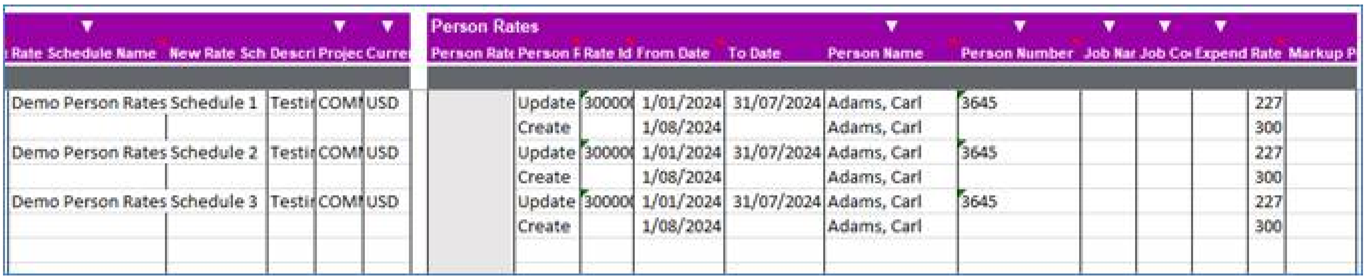
- # Currency
- # From Date
- # Person Name
- # Person Number

To update the Rate Schedule Name which is a key field in the Integrator, you must use the corresponding column name prefixed with ‘New’. To update the ‘Rate Schedule Name' field, the column header 'New Rate Schedule Name' must be utilized.



Person Rate S	Person Rate Schedule	Rate Schedule Name	New Rate Schedule Name	Description	Pro
	Update	Demo Person Rates Schedule 1	Demo Person Rates Schedule 1a	Testing Pe	COI
		Demo Person Rates Schedule 2		Testing Pe	COI
		Demo Person Rates Schedule 3		Testing Pe	COI
		WT BM Person Rates		Testing Pe	COI

Here’s an example use case for updating:
Person ‘Adams, Carl’ has increased his rate to 300 from 1-Aug-2024 and all his rates must be updated across the schedules that he belongs to.
The example below shows how to use child-level filtering to only download rates belonging to ‘Adams, Carl’ and then end-dating the old rate and creating a new rate line for him.



Rate Schedule Name	New Rate Sch	Descri	Projec	Curre	Person Rat	Person F	Rate Id	From Date	To Date	Person Name	Person Number	Job Nar	Job Co	Expend Rate	Markup P
Demo Person Rates Schedule 1		Testi	COM	USD		Update	30000(	1/01/2024	31/07/2024	Adams, Carl	3645			227	
						Create		1/08/2024		Adams, Carl				300	
Demo Person Rates Schedule 2		Testi	COM	USD		Update	30000(	1/01/2024	31/07/2024	Adams, Carl	3645			227	
						Create		1/08/2024		Adams, Carl				300	
Demo Person Rates Schedule 3		Testi	COM	USD		Update	30000(	1/01/2024	31/07/2024	Adams, Carl	3645			227	
						Create		1/08/2024		Adams, Carl				300	

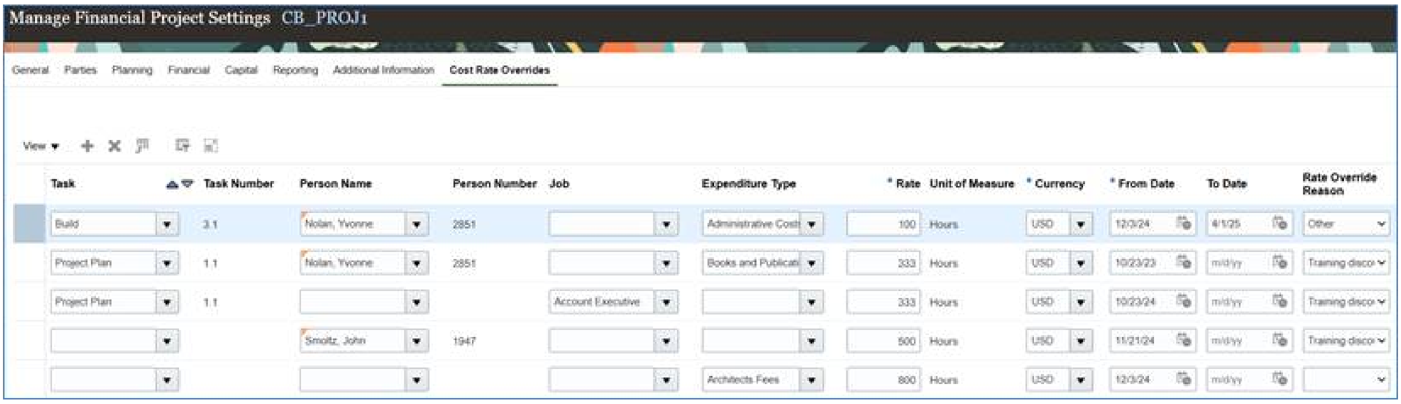
Sections:
Create Person Rates
Download Person Rates
Update Person Rates

Cost Rate Overrides Integrator

The Cost Rate Overrides Integrator is used to create, download, and, update Cost Rate Overrides. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

Before using this Integrator, ensure you review the Getting Started section to avoid any issues. Please become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

Cost Rate Overrides form in Oracle:



The Integrator can be used to:

- # Create new Cost Rate Overrides.
- # Update existing Cost Rate Overrides.
- # Download existing Cost Rate Overrides.

The Integrator is exclusively for the Rate Overrides of Costs associated to a Financial Project and cannot be used to manage other types, such as Bill Rate Overrides for Contracts. A new Bill Rate Overrides Integrator is scheduled for release in the near future for contracts.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Create Cost Rate Overrides
Download Cost Rate Overrides
Update Cost Rate Overrides
Limitations

Create Cost Rate Overrides

The Cost Rate Overrides Integrator has one section:

- # Cost Rate Overrides: This section manages the creation of Cost Rate Overrides for Financial Projects.

When you define a cost rate override, you can optionally include a person or job, but not both. You can maintain cost rate overrides at the following levels:

- # Person
- # Job
- # Expenditure Type
- # Person and Expenditure Type

Job and Expenditure Type

To create a new Cost Rate Override, the ‘Cost Rate Overrides Upload Action’ column value must be Create. Refer to the Uploading section for more information on how to use the Create action.

Cost Rate Overrides Messages	Cost Rate Overrides Upload Action	Rate Override Id	Project Name	Project Number	Task Number	Task Name	Person Name	Person Number	Job Name	Job Code	Expenditure Type	From Date	To Date	Rate	Currency	Rate Override Reason
	Create		CB_PROJ1	CB_PROJ1			Smoltz, John	1947				21/11/2024		500	USD	Training discount
	Create		CB_PROJ1	CB_PROJ1	1.1	Project Plan			Account Executive	JOB052		23/10/2024		333	USD	Training discount
	Create		CB_PROJ1	CB_PROJ1							Architects Fees	3/12/2024		800	USD	
	Create		CB_PROJ1	CB_PROJ1	3.1	Build	Nolan, Yvonne	2851			Administrative Costs	3/12/2024	1/04/2025	100	USD	Other

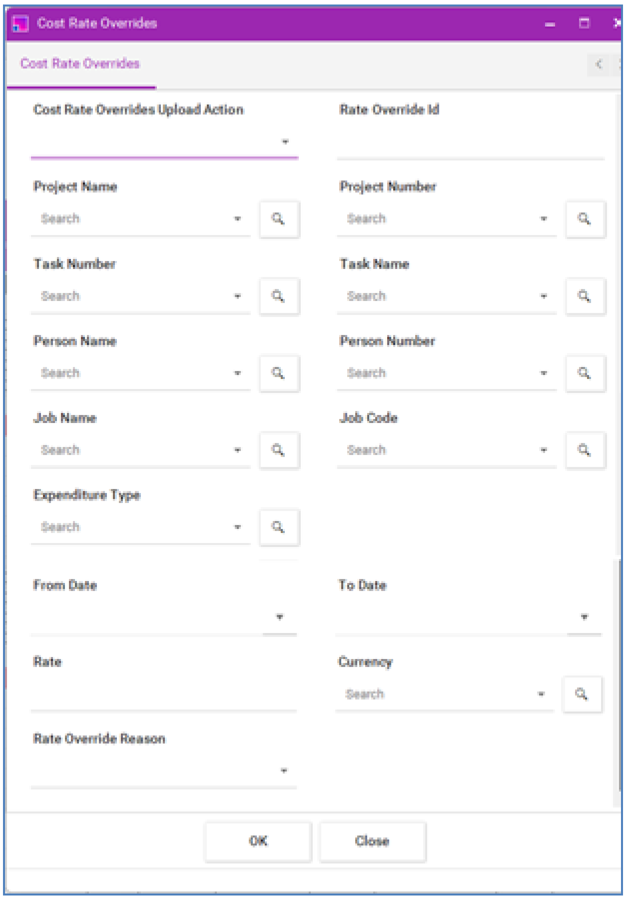
There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet

- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form

- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don’t know the exact value to enter on the sheet.



The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create cost rate overrides. Use the Data Form to assist:

Project Name: Select a project name to define the Cost Rate Override against

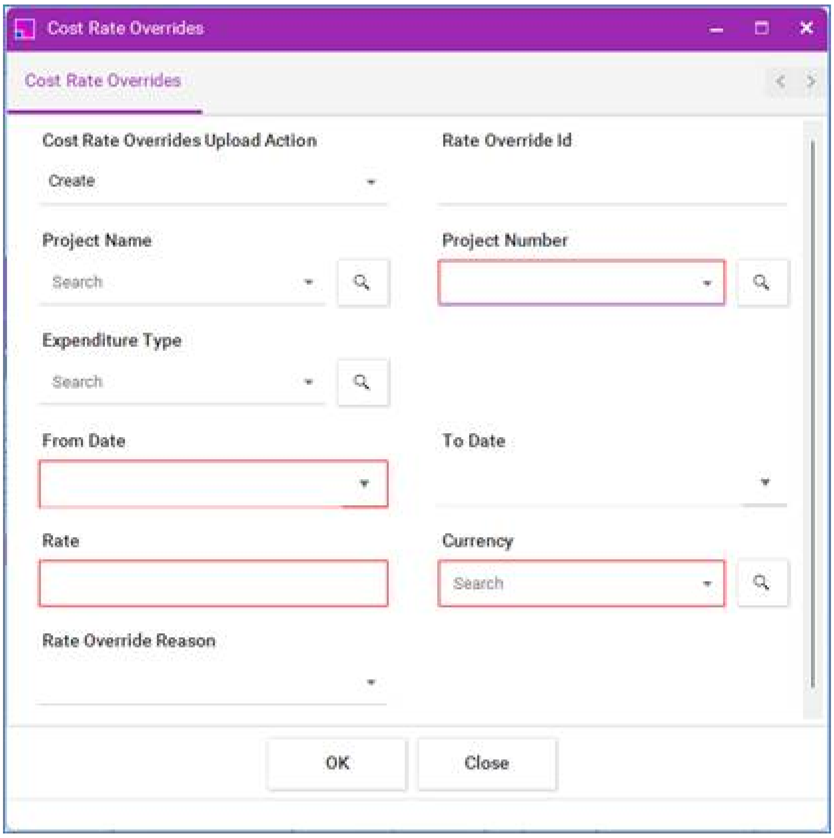
- Project Number (required): Select a project number to define the Cost Rate Override against.

Note: If a project name is entered, the corresponding number will default. If no name is entered, and a number is selected, the project name will not default.

- Task Number: Select a project task number to define the Cost Rate Override against
- Task Name: Select a project task name to define the Cost Rate Override against.

Note: If a task number is entered, the corresponding name will default. If no number is entered, and a name is selected, the task number will not default.

- Person Name: Person name to define the Cost Rate Override against.
- Person Number: Defaults from Person Name. If the Person Name is a duplicate, person number must be selected.
- Job Name: Select a job name to define the Cost Rate Override against.
- Job Code: Defaults from Job Name. If the Job Name is a duplicate, job code must be selected.
- Expenditure Type: Expenditure Type to define the Cost Rate Override against.
- From Date (required): The start date of the cost rate override.
- To Date: The end date of the cost rate override.
- Rate (required): The rate used for the Cost Rate Override.
- Currency (required): The currency used for the Cost Rate Override.
- Rate Override Reason: The reason for the Cost Rate Override.



Note: Some columns have been removed to display the required columns on the form

When Cost Rate Overrides are uploaded to Oracle, the ‘Cost Rate Overrides Status’ will be set to an ‘Accepted’ status.

Status	Cost Rate Overrides																
Cost Rate Overrides Status	Cost Rate Overrides Messages	Cost Rate Overrides Upload Action	Rate Override Id	Project Name	Project Number	Task Number	Task Name	Person Name	Person Number	Job Name	Job Code	Expenditure Type	From Date	To Date	Rate	Currency	Rate Override Reason
Default Values																	
Accepted		Create	300000271619513	CB_PROJ1	CB_PROJ1				1947				21/11/2024		500	USD	Training discount
Accepted		Create	300000271619514	CB_PROJ1	CB_PROJ1	1.1	Project Plan			Account Executive	JOB052		23/10/2024		333	USD	Training discount
Accepted		Create	300000271619515	CB_PROJ1	CB_PROJ1							Architects Fees	3/12/2024		800	USD	
Accepted		Create	300000271619516	CB_PROJ1	CB_PROJ1	3.1	Build	Nolan, Yvonne	2851			Administrative Costs	3/12/2024	1/04/2025	100	USD	Other
Accepted		Create	300000271619517	CB_PROJ1	CB_PROJ1	1.1	Project Plan					Books and Publication	23/10/2023		333	USD	Training discount

Note: The generated Rate Override Id for the record will be returned to the sheet after successful upload, as this is required for any updates to the record.

Sections:

Create Cost Rate Overrides
Download Cost Rate Overrides
Update Cost Rate Overrides
Limitations

Download Cost Rate Overrides

There are two ways to download Cost Rate Overrides from Oracle using the Integrator. More information about downloading can be found here.

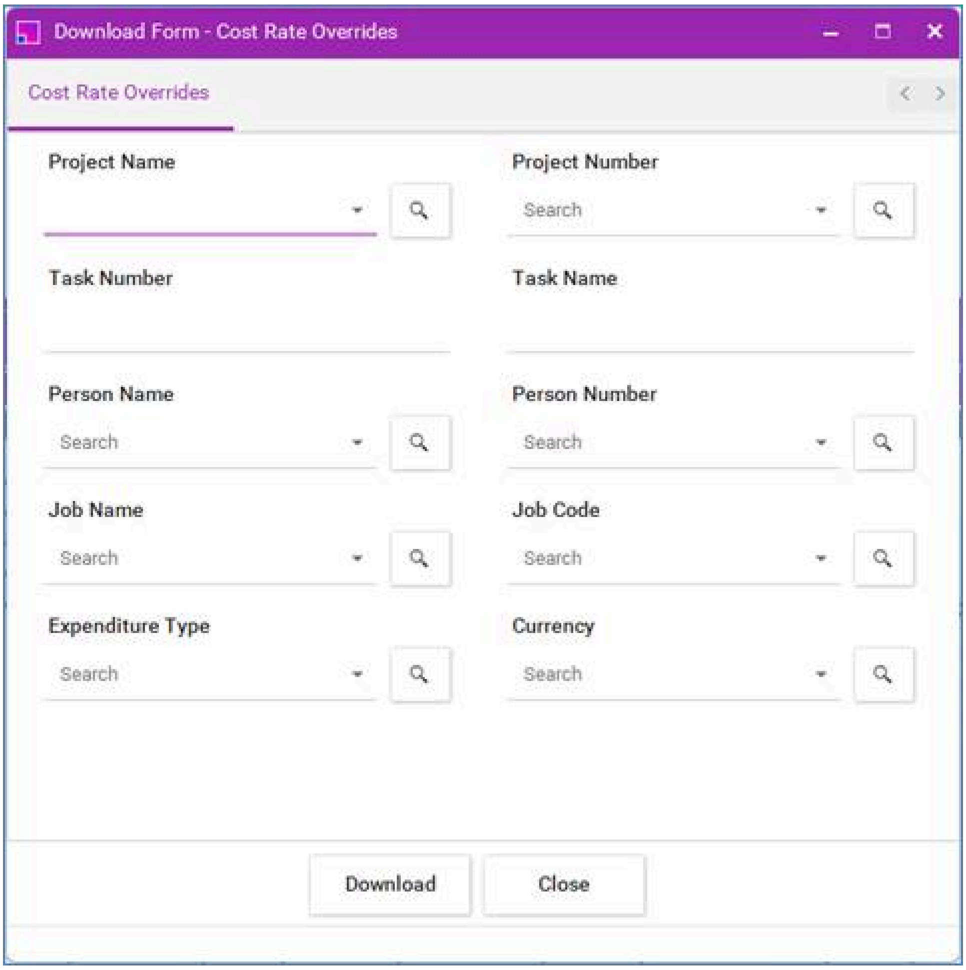
Download via Form

When you select ‘Download via Form’ a download form will appear, where you can enter your download criteria.

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.

The following fields are available as download filters in the form:

- Project Name - Search enabled
- Project Number - Search enabled
  Note: If a project name is entered, the corresponding number will default. If no name is entered, and a number is selected, the project name will not default.
- Task Number - Manual entry
- Task Name - Manual entry
- Person Name - Search enabled
- Person Number - Search enabled - Defaults from Person Name. If the Person Name is a duplicate, person number must be selected.
- Job Name - Search enabled
- Job Code - Search enabled - Defaults from Job Name. If the Job Name is a duplicate, job code must be selected.
- Expenditure Type - Search enabled.
- Currency - Search enabled.



Download via Sheet

When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

The following fields are available as download filters in the sheet, as illustrated above:

- Project Name
- Project Number
- Task Number
- Task Name
- Person Name
- Job Name
- Expenditure Type

Sections:
Create Cost Rate Overrides
Download Cost Rate Overrides

[Update Cost Rate Overrides](#)
[Limitations](#)

Update Cost Rate Overrides

To update Cost Rate Overrides, the 'Cost Rate Overrides Upload Action' column value must be **Update**. Refer to the [Uploading](#) section for more information on how to upload the Update action.

To carry out an update on existing Cost Rate Overrides, More4apps recommend downloading them first on the sheet. Refer to the [Download Cost Rate Overrides](#) section for more information on how to download.

The following columns are required on the sheet to update Cost Rate Overrides:

- Rate Override Id

Status	Cost Rate Overrides								
Cost Rate Overrides Status	Cost Rate Overrides Messages	Cost Rate Overrides Upload Action	Rate Override Id	Project Name	Project Number	Task Number	Task Name	Person Name	Person Nur
Default Values									
Accepted		Update	300000271589750	KHPERF150224-201	KHPERF150224-201	600	Task 600	Abbott, Jen	4579
Accepted		Update	300000271589751	KHPERF150224-201	KHPERF150224-201	700	Task 700	AbdulAziz, N	3891
Accepted		Update	300000271589752	KHPERF150224-201	KHPERF150224-201	800	Task 800	Abdullah, M	5400
Accepted		Update	300000271589753	KHPERF150224-201	KHPERF150224-201	200	Task 200	Aberasturi,	21450
Accepted		Update	300000271589754	KHPERF150224-201	KHPERF150224-201	300	Task 300	Aberg, Mor	22341
Accepted		Update	300000271589755	KHPERF150224-201	KHPERF150224-201	400	Task 400	Abernathy,	6183
Accepted		Update	300000271589776	KHPERF150224-201	KHPERF150224-201	400	Task 400	Adel, AlTam	644

Sections:
[Create Cost Rate Overrides](#)
[Download Cost Rate Overrides](#)
[Update Cost Rate Overrides](#)
[Limitations](#)

Limitations

Download Limitation
There is a bug in the Oracle REST web service that prevents the download of more than 500 lines of cost rate overrides. This is a known issue and a Service Request has been logged with Oracle to address this.

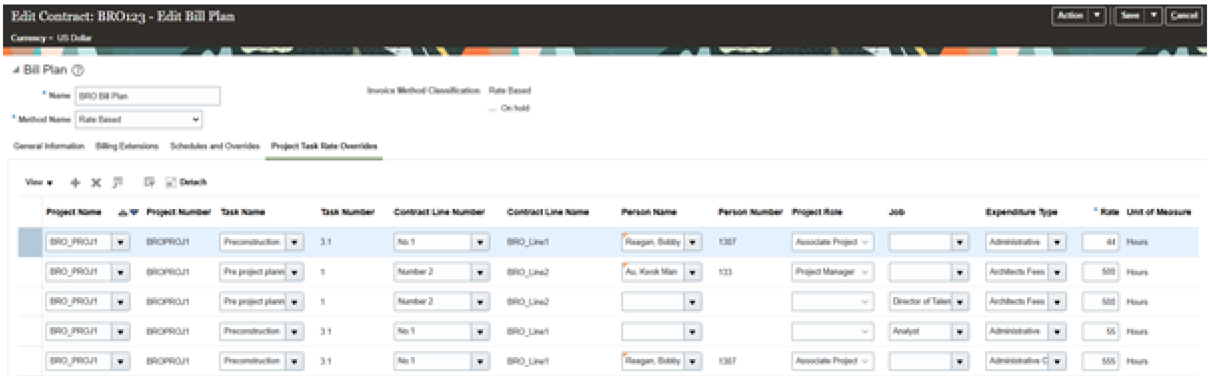
Sections:
[Create Cost Rate Overrides](#)
[Download Cost Rate Overrides](#)
[Update Cost Rate Overrides](#)
[Limitations](#)

Bill Rate Overrides Integrator

The Bill Rate Overrides Integrator is used to create, download, and update Bill Rate Overrides. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

Before using this Integrator, ensure you review the Getting Started section to avoid any issues. Please become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

Bill Rate Overrides form in Oracle:



The Integrator can be used to:

- Create new Bill Rate Overrides.
- Update existing Bill Rate Overrides.
- Download existing Bill Rate Overrides.

The Integrator is exclusively for the Rate Overrides of Costs associated to a Contract and cannot be used to manage other types, such as Cost Rate Overrides for Financial Projects – For this the Cost Rate Overrides Integrator can be used.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:
Create Bill Rate Overrides
Download Bill Rate Overrides
Update Bill Rate Overrides
Limitations

Create Bill Rate Overrides

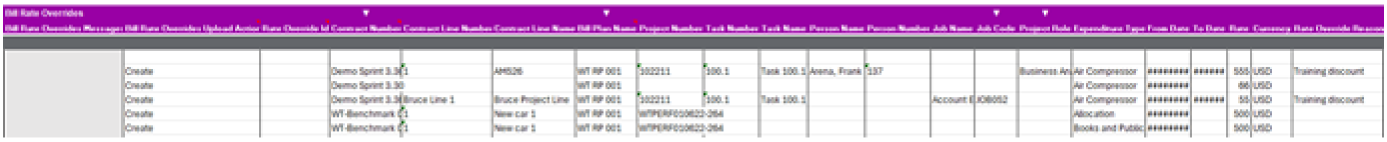
The Bill Rate Overrides Integrator has one section:

- Bill Rate Overrides: This section manages the creation of Bill Rate Overrides for Contracts.

When you define a Bill Rate override, you can optionally include a person or job, but not both. You can maintain Bill Rate overrides at the following levels:

#	Person
#	Job
#	Expenditure Type
#	Person and Expenditure Type
#	Job and Expenditure Type

To create a new Bill Rate Override, the ‘Bill Rate Overrides Upload Action’ column value must be Create. Refer to the Uploading section for more information on how to use the Create action.

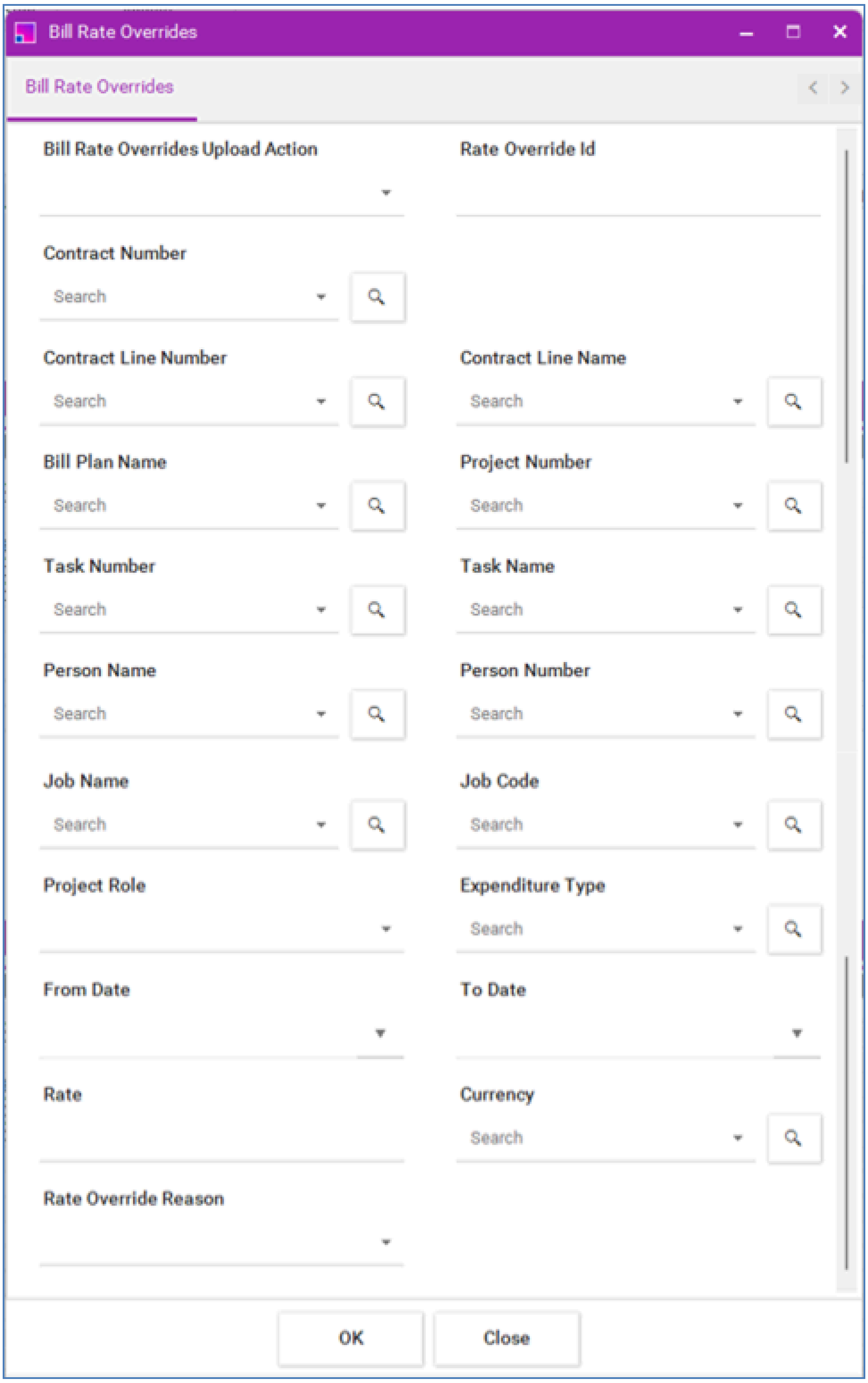

Bill Rate Overrides

Bill Rate Overrides Messages	Bill Rate Overrides Upload Action	Rate Override Id	Contract Number	Contract Line Number	Contract Line Name	Bill Plan Name	Project Number	Task Number	Task Name	Person Name	Person Number	Job Name	Job Code	Project Role	Expenditure Type	From Date	To Date	Rate	Currency	Rate Override Reason
	Create		Demo Sprint 3.3(	1	AM526	WT RP 001	102211	100.1	Task 100.1	Arena, Frank	137			Business An	Air Compressor	########	######	555	USD	Training discount
	Create		Demo Sprint 3.30			WT RP 001									Air Compressor	########		66	USD	
	Create		Demo Sprint 3.3(	Bruce Line 1	Bruce Project Line	WT RP 001	102211	100.1	Task 100.1			Account E	JOB052		Air Compressor	########	######	55	USD	Training discount
	Create		WT-Benchmark C	1	New car 1	WT RP 001	WTPERF010622-264								Allocation	########		500	USD	
	Create		WT-Benchmark C	1	New car 1	WT RP 001	WTPERF010622-264								Books and Public	########		500	USD	

There are two methods for entering values: direct input on the sheet or via a Data Form. Each method has its own advantages.

Direct Input on the Sheet:
- You can manually enter values directly onto the sheet.
- This method allows you to copy and paste values from a different source.
- Please note that when uploading, a validation process will run to ensure the correctness of all entered values.

Data Form:
- The Data Form provides an alternative way to enter values.
- It allows you to search or select values from pre-defined List of Values.
- This can be useful when you don’t know the exact value to enter on the sheet.



The following fields have list of values and the value you enter on the sheet must match the option in Oracle. Columns marked required are to be populated to create Bill Rate overrides. Use the Data Form to assist:

Contract Number (required): Select a contract to define the Bill Rate Override against.

Contract Line Number: Select a contract line number to define the Bill Rate Override against.

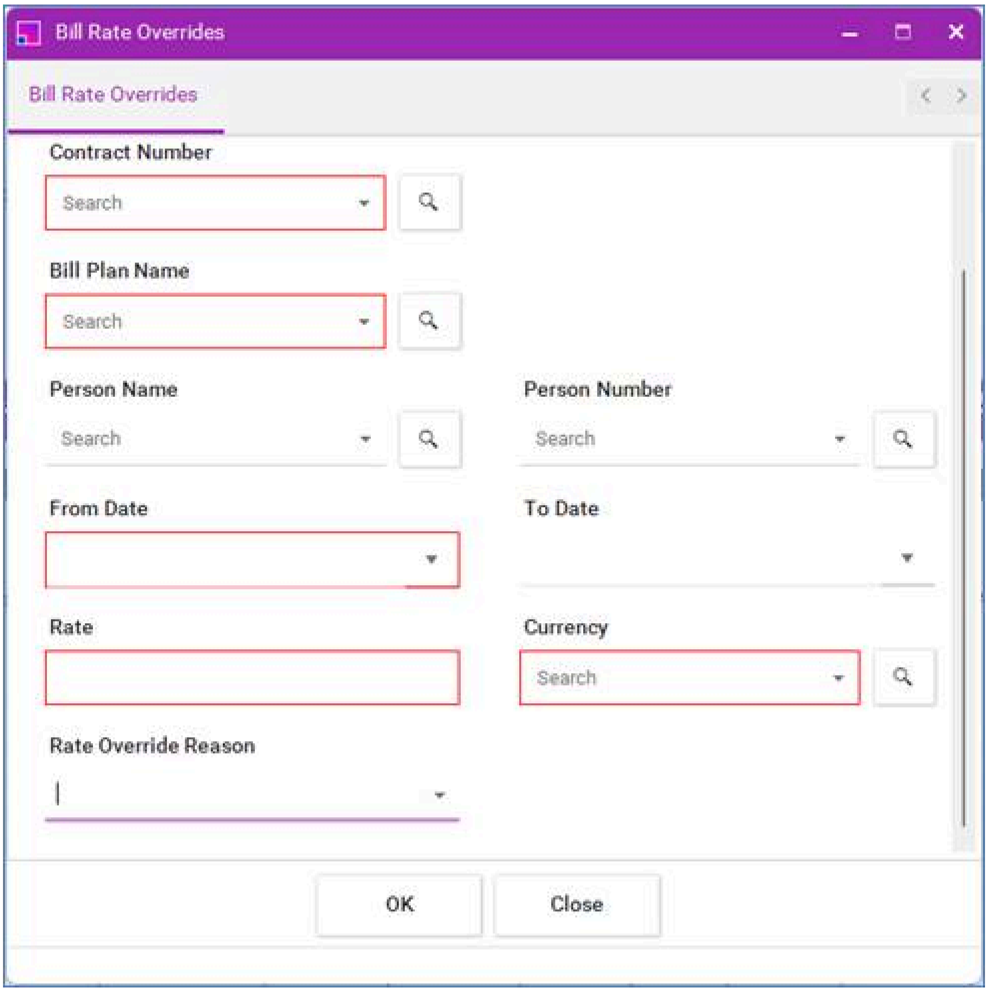
Contract Line Name: Select a contract line name to define the Bill Rate Override against.
Note: If a contract line number is entered, the corresponding name will default. If no number is entered, and a name is selected, the contract line number will not default.

Bill Plan Name (required): Select a bill plan to define the Bill Rate Override against.

- Project Number: Select an associated project number to define the Bill Rate Override against.
- Task Number: Select a project task number to define the Bill Rate Override against.
- Task Name: Select a project task name to define the Bill Rate Override against.

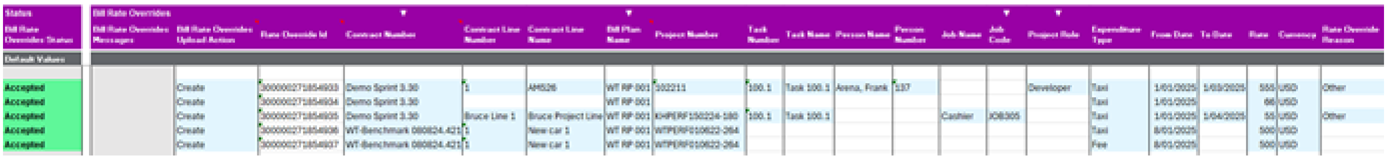
  Note: If a task number is entered, the corresponding name will default. If no number is entered, and a name is selected, the task number will not default.
- Person Name: Person name to define the Bill Rate Override against.
- Person Number: Defaults from Person Name. If the Person Name is a duplicate, person number must be selected.
- Job Name: Select a job name to define the Bill Rate Override against.
- Job Code: Defaults from Job Name. If the Job Name is a duplicate, job code must be selected.
- Expenditure Type: Expenditure Type to define the Bill Rate Override against.
- From Date (required): The start date of the Bill Rate override.
- To Date: The end date of the Bill Rate override.
- Rate (required): The rate used for the Bill Rate Override.
- Currency (required): The currency used for the Bill Rate Override.
- Rate Override Reason: The reason for the Bill Rate Override.

Note: You must enter a value for a person, a job, a project role, or an expenditure type for the rate override



Note: Some columns have been removed to display the required columns on the form

When Bill Rate Overrides are uploaded to Oracle, the ‘Bill Rate Overrides Status’ will be set to an ‘Accepted’ status.



Status	Bill Rate Overrides																				
Bill Rate Overrides Status	Bill Rate Overrides Messages	Bill Rate Overrides Upload Action	Rate Override Id	Contract Number	Contract Line Number	Contract Line Name	Bill Plan Name	Project Number	Task Number	Task Name	Person Name	Person Number	Job Name	Job Code	Project Role	Expenditure Type	From Date	To Date	Rate	Currency	Rate Override Reason
Default Values																					
Accepted		Create	300000271854933	Demo Sprint 3.30	1	AM526	WT RP 001	102211	100.1	Task 100.1	Arena, Frank	137			Developer	Taxi	1/01/2025	1/03/2025	555	USD	Other
Accepted		Create	300000271854934	Demo Sprint 3.30			WT RP 001									Taxi	1/01/2025		66	USD	
Accepted		Create	300000271854935	Demo Sprint 3.30	Bruce Line 1	Bruce Project Line	WT RP 001	KHPERF150224-180	100.1	Task 100.1			Cashier	JOB305		Taxi	1/01/2025	1/04/2025	55	USD	Other
Accepted		Create	300000271854936	WT-Benchmark 080824.421	1	New car 1	WT RP 001	WTPERF010622-264								Taxi	8/01/2025		500	USD	
Accepted		Create	300000271854937	WT-Benchmark 080824.421	1	New car 1	WT RP 001	WTPERF010622-264								Fee	8/01/2025		500	USD	

Note: The generated Rate Override Id for the record will be returned to the sheet after successful upload, as this is required for any updates to the record.

Sections:

Download Bill Rate Overrides

There are two ways to download Bill Rate Overrides from Oracle using the Integrator. More information about downloading can be found [here](#).

Download via Form

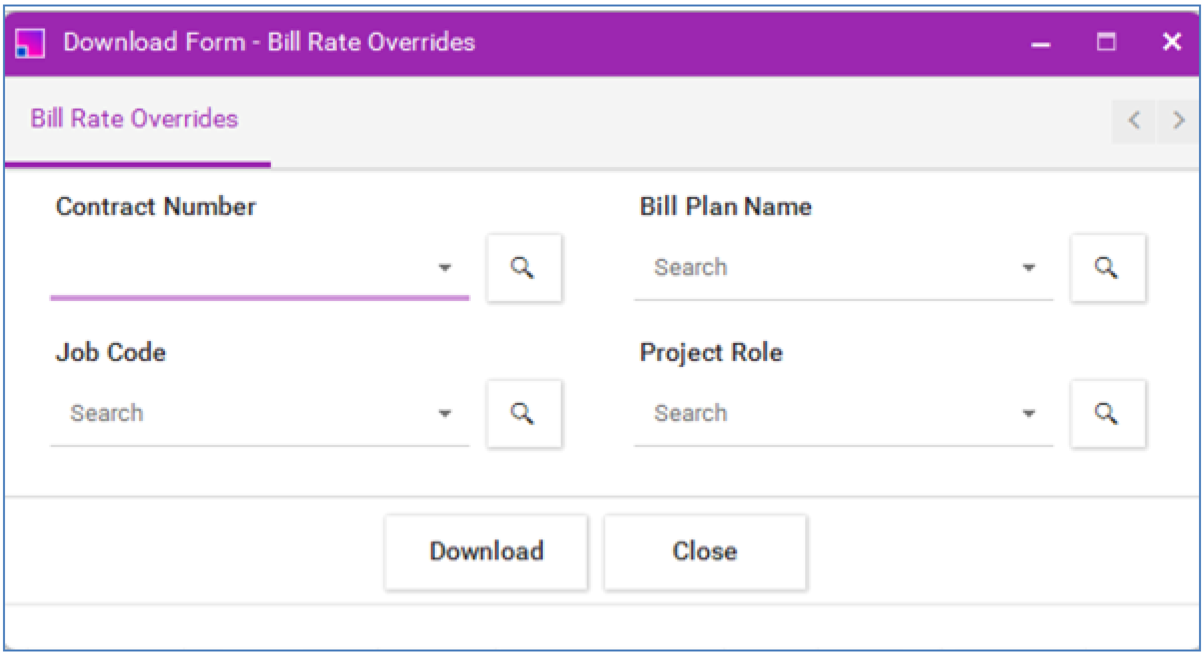
When you select ‘Download via Form’ a download form will appear, where you can enter your download criteria.

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.

The following fields are available as download filters in the form:

- Contract Number - Search enabled
- Bill Plan Name - Search enabled
- Job Code - Search enabled
- Project Role – Search enabled

Note: The download will only return any existing Bill Rate Overrides. If no overrides exist for the criteria entered, no data will be returned



Download via Sheet
When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

The following fields are available as download filters in the sheet, as illustrated above:

- Contract Number
- Bill Plan Name
- Job Code
- Project Role

Sections:
[Create Bill Rate Overrides](#)
[Update Bill Rate Overrides](#)
[Limitations](#)

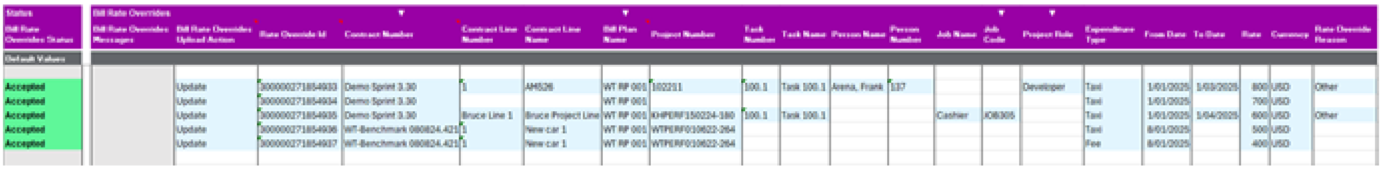
Update Bill Rate Overrides

To update Bill Rate Overrides, the 'Bill Rate Overrides Upload Action' column value must be **Update**. Refer to the Uploading section for more information on how to upload the Update action.

To carry out an update on existing Bill Rate Overrides, More4apps recommend downloading them first on the sheet. Refer to the Download Bill Rate Overrides section for more information on how to download.

The following columns are required on the sheet to update Bill Rate Overrides:

- Rate Override Id



Bill Rate Overrides Status	Bill Rate Overrides Messages	Bill Rate Overrides Upload Action	Rate Override Id	Contract Number	Contract Line Number	Contract Line Name	Bill Plan Name	Project Number	Task Number	Task Name	Person Name	Person Number	Job Name	Job Code	Project Role	Expenditure Type	From Date	To Date	Rate	Currency	Rate Override Reason
Accepted		Update	300000271854933	Demo Sprint 3.30	1	AM526	WT RP 001	102211	100.1	Task 100.1	Arena, Frank	137			Developer	Taxi	1/01/2025	1/03/2025	800	USD	Other
Accepted		Update	300000271854934	Demo Sprint 3.30			WT RP 001									Taxi	1/01/2025		700	USD	
Accepted		Update	300000271854935	Demo Sprint 3.30	Bruce Line 1	Bruce Project Line	WT RP 001	KHPERF150224-180	100.1	Task 100.1			Cashier	JOB305		Taxi	1/01/2025	1/04/2025	600	USD	Other
Accepted		Update	300000271854936	WT-Benchmark 080824.421	1	New car 1	WT RP 001	WTPERF010622-264								Taxi	8/01/2025		500	USD	
Accepted		Update	300000271854937	WT-Benchmark 080824.421	1	New car 1	WT RP 001	WTPERF010622-264								Fee	8/01/2025		400	USD	

Sections:
[Create Bill Rate Overrides]
[Download Bill Rate Overrides]
[Update Bill Rate Overrides]
[Limitations]

Limitations

Download Limitation

There is a bug in the Oracle REST web service that prevents the download of more than 500 lines of Bill Rate overrides. This is a known issue and a Service Request has been logged with Oracle to address this.

Sections:
[Create Bill Rate Overrides]
[Download Bill Rate Overrides]
[Update Bill Rate Overrides]

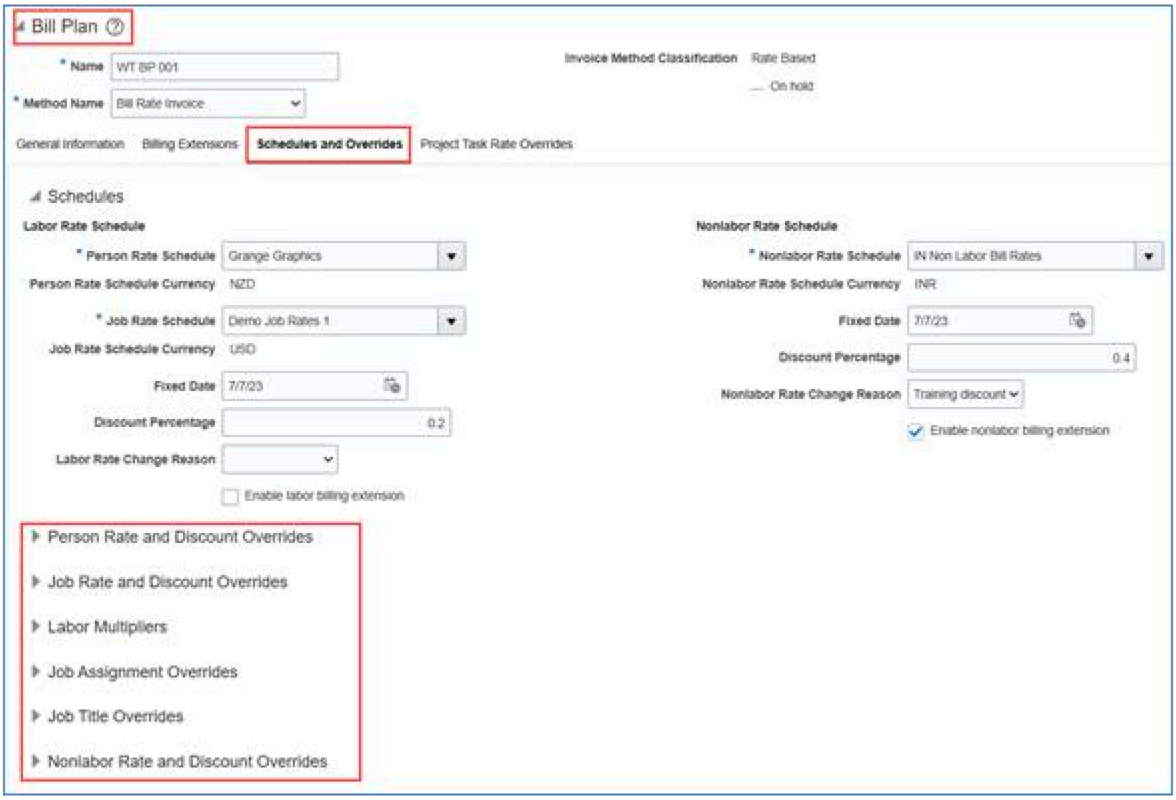
Bill Plan Schedule Overrides Integrator

The Bill Plan Schedule Overrides Integrator can be used to create, download and update Bill Plan Schedule Overrides against Contract Bill Plans. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

Before using this Integrator, ensure you review the Getting Started section to avoid any issues.

Also become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

Bill Plan Schedule Overrides in Oracle:



The Integrator supports the six schedule override types:

- Person Rate
- Job Rates
- Labor Multipliers
- Job Assignments
- Job Titles
- Non Labor Rates

In each section of the overrides, you can carry out the following tasks.

- Create new schedule overrides
- Download existing schedule overrides
- Update existing schedule overrides

The Bill Plan Schedule Overrides Integrator cannot be used to manage Contracts and Bill Plans. Please use the Contracts Integrator to do this.

Note that this Integrator does not support Revenue Plan Schedule Overrides. Please use the Revenue Plan Schedule Overrides Integrator to manage the schedule overrides for Revenue Plans.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps Support team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:

Create Bill Plan Schedule Overrides

There are two key sections that must be present on the sheet to manage Bill Plan Schedule Overrides:

Contract Details: include details of a contract. ‘Contract Number’ column must exist on the sheet.
Plan Details: include details of a Bill Plan. ‘Plan Name’ column must exist on the sheet. ‘Job Rate Schedule’ column in the Plan Details section must exist on the sheet to manage Job Rates.

To keep the sheet layout manageable, select only the necessary schedule override type you want to work with. This can be achieved by using the ‘Design a Sheet’ option when selecting ‘Create New Sheet’, or by manually removing unneeded sections or columns. For further details, see Generating a New Sheet.

The parent section ‘Contract Details’ and the child section ‘Plan Details’ have upload actions **Create records** and **Update records**. They do not need to be populated to create the rate schedule overrides. The upload actions exist so that you can use them to propagate to as many as six grandchild sections if you’re wanting to create overrides for multiple sections at once. For further details about upload actions, see Upload Action Columns.

Person Rates
To create schedule overrides for Person Rates, the ‘Person Rates Upload Action’ column value must be Create. Mandatory values to create a Person Rates override:

PR Start Date
PR End Date
PR Person Number (if the Person Name is a duplicate, a Person Number must be selected)
PR Currency
Either PR Rate or PR Discount Percentage (not both)

Person Rates											
Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR Discount Percentage	PR Rate Change Reason
	Create		3/07/2023	3/07/2023		Allen, Raymond	189	USD	222		Training discount
	Create		3/07/2023	3/07/2023	2	Babich, Vasyl	2420	USD		22	Training discount
	Create		12/03/2025	12/03/2025		Allen, Raymond	189	USD	222		Training discount
	Create		3/07/2023	3/07/2023	2	Saunders, Jenni	172	USD	222		Training discount
	Create		3/07/2023	5/08/2024		Arena, Frank	137	USD	222		Training discount

‘PR Override Id’ column will be populated with a value after the overrides are uploaded.

Job Rates
To create schedule overrides for Job Rates, the ‘Job Rates Upload Action’ column value must be Create. Mandatory values to create a Job Rate override:

JR Start Date
JR End Date
JR Job Code (if the Job Name is a duplicate, a Job Code must be selected)
JR Currency

#	Either JR Rate or JR Discount Percentage (not both)

Job Rates											
Job Rates Messages	Job Rates Upload Action	JR Override Id	JR Start Date	JR End Date	JR Contract Line Number	JR Job Name	JR Job Code	JR Currency	JR Rate	JR Discount Percentage	JR Rate Change Reason
	Create	300000274763	2/01/2025	1/02/2025	1	Application	JOB248	USD		22	Other
	Create	300000274763	3/07/2023	3/07/2024		Apprentice	JOB953	USD	333		Other
	Create	300000274763	3/07/2023	20/02/2025		Application	JOB245	USD	333		Other

‘JR Override Id’ column will be populated with a value after the overrides are uploaded.

Labor Multipliers

To create a schedule override for Labor Multipliers, the ‘Labor Multipliers Upload Action’ column value must be Create. Mandatory values to create a Labor Multiplier override:

#	LM Start Date

#	LM End Date

#	Multiplier

Labor Multipliers						
Labor Multipliers Messag	Labor Multipliers Upload Acti	LM Override Id	LM Start Date	LM End Date	LM Contract Line Numb	Multiplie
	Create		1/01/2026	2/01/2026	5	11.5
	Create		3/01/2026	5/01/2026	4	12.5
	Create		5/01/2026	7/01/2026	3	13.59

‘LM Override Id’ column will be populated with a value after the overrides are uploaded.

Job Assignments

To create schedule overrides for Job Assignments, the ‘Job Assignments Upload Action’ column value must be Create. Mandatory values to create a Job Assignment override:

#	JA Start Date

#	JA End Date

#	JA Person Number (if the Person Name is a duplicate, a Person Number must be selected)

#	JA Job Code (if the Job Name is a duplicate, a Job Code must be selected)

Job Assignments										
Job Assignments Messag	Job Assignments Upload Acti	JA Override Id	JA Start Dat	JA End Date	JA Contract Line Numb	JA Person Nam	JA Person Numbe	JA Job Nam	JA Job Cod	JA Billing Title Overrid
	Create		1/01/2025	2/01/2025		Sabbag, Malik	2905	Accountan	JOB001	JA Bill 4
	Create		1/01/2025	2/01/2025	3	Wagner, Karir	6168	Engineer	JOB024	JA Bill 5

‘JA Override Id’ column will be populated with a value after the overrides are uploaded.

Job Titles Status

To create schedule overrides for Job Titles, the ‘Job Titles Upload Action’ column value must be Create. Mandatory values to create a Job Title override:

#	JT Start Date

#	JT End Date

#	JT Job Code (if the Job Name is a duplicate, a Job Code must be selected)

JT Billing Title Override

Job Titles

Job Titles Messages	Job Titles Upload Action	JT Override Id	JT Start Date	JT End Date	JT Contract Line Number	JT Job Name	JT Job Code	JT Billing Title Override
	Create		18/03/2025	22/03/2025		Accountant	JOB001	Test
	Create		18/05/2025	22/05/2025		Accountant	JOB001	Test
	Create		18/05/2028	22/05/2028	1	Accountant	JOB001	Test
	Create		18/03/2025	22/03/2025	1	Analyst	JOB006	test

‘JT Override Id’ column will be populated with a value after the overrides are uploaded.

Non Labor Rates
To create schedule overrides for Non Labor Rates, the ‘Non Labor Rates Upload Action’ column value must be Create. Mandatory values to create a Non Labor Rate override:

NL Start Date

NL End Date

Expenditure Type

NL Currency

Enter NL Rate, NL Markup Percentage, or NL Discount Percentage (one only)

Non Labor Rates

Non Labor Rates Messages	Non Labor Rates Upload Action	NL Override Id	NL Start Date	NL End Date	NL Contract Line	Expenditure Type	Nonlabor Resource	Organization	NL Currency	NL Rate	NL Markup Percentage	NL Discount Percentage	NL Rate Change Reason
	Create		3/07/2023	5/07/2024		Equipment	Lab Equipment	Civil Engineering HE US			34		
	Create		2/02/2025	5/02/2025	1	Equipment	Lab Equipment		AUD	333			Training discount
	Create		2/04/2026	5/04/2026	1	Equipment			USD	66			Training discount
	Create		2/06/2026	5/06/2026	1	Equipment		Network, H	USD	88			Training discount

‘NL Override Id’ column will be populated with a value after the overrides are uploaded.

Sections:
[Download Bill Plan Schedule Overrides](#)
[Update Bill Plan Schedule Overrides](#)
[Limitations](#)

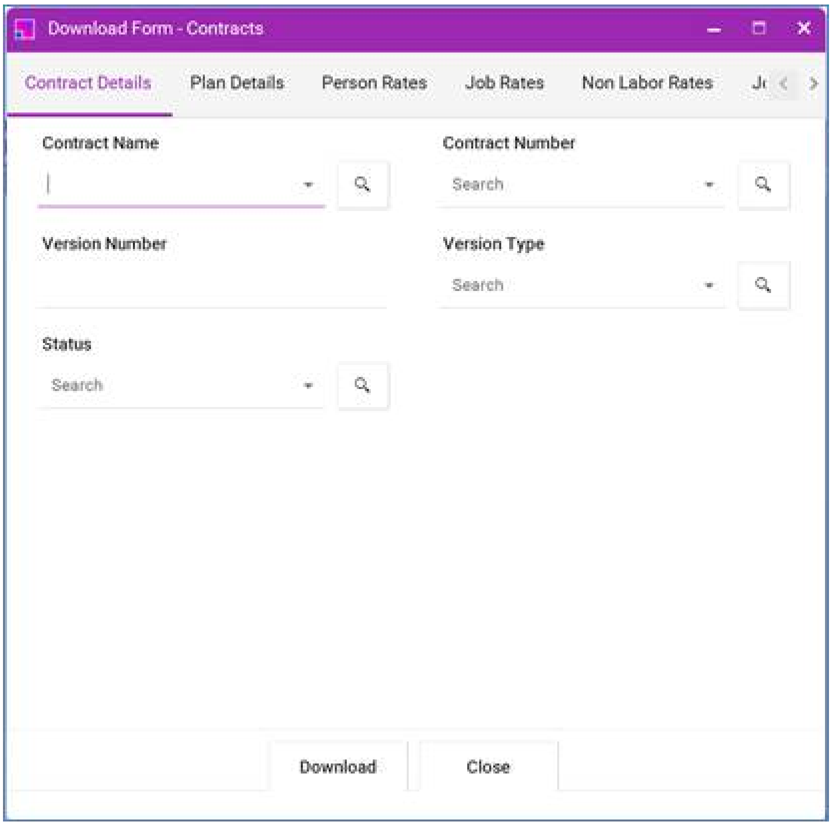
Download Bill Plan Schedule Overrides

There are two ways to download Bill Plan Schedules Overrides from Oracle using the Integrator. More information about downloading can be found [here](#).

Download via Form

When you select ‘Download via Form’, a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, unless otherwise mentioned, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.



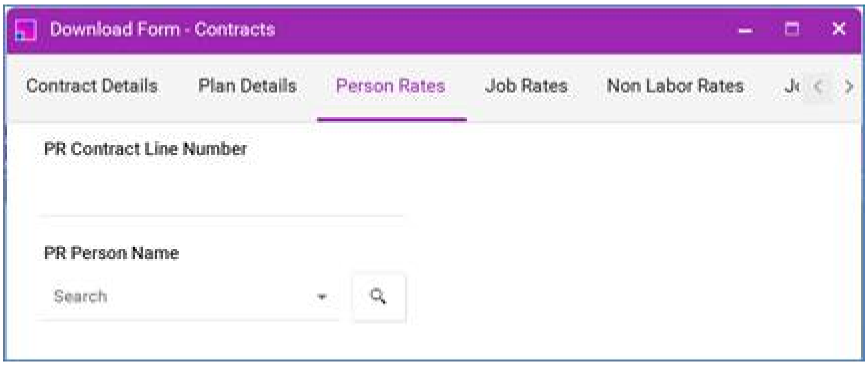
Only Contracts with Version Type ‘C’ (Current) will be downloaded as these are the only contracts eligible for schedule overrides.

The following fields have a loose dependency on another field, meaning that entering a value in one field will limit the available options in the related field:

Contract Name → Limits the Contract Number field to contracts matching the provided name.
Expenditure Type → Limits the Nonlabor Resource field to resources matching the selected Expenditure Type.
Nonlabor Resource → Limits the Organization field to organizations associated with the selected Nonlabor Resource.

In some cases, certain fields on the Download Form do not have List of Values (LOV) support. These fields include:

Version Number
Contract Line Number



This limitation exists because there are too many duplicate values to populate the LOV. As a result, when using these fields as filters for downloads, you must manually enter the exact value to ensure accurate filtering.

The Download Form will always display all available sections for download, regardless of whether they exist on the sheet.

Download via Sheet

Note that query conditions on the sheet and in the Download Form are treated as **AND** clauses rather than **OR** in the download query.
When the option to ‘Download via Sheet’ is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

This Integrator supports child-level filtering, allowing you to refine search results using searchable fields within each schedule override section. Example below shows Person Name used as one of the filters when downloading a contract bill plan.

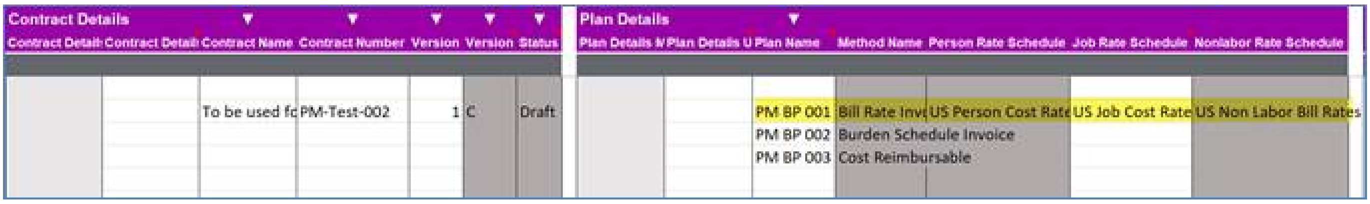
Important Note on Downloading Bill Plans

When downloading Bill Plans for a contract, the Integrator retrieves **all** Bill Plans associated with that contract, not just those that have rate schedules against them. This means that some Bill Plans in the download may not have any associated Rate Schedules.

To apply schedule overrides, ensure that the Bill Plan has Rate Schedules assigned. Only Bill Plans with existing Rate Schedules are eligible for schedule overrides.

Use filtering options when downloading to narrow the results and avoid unnecessary data. See the Limitations for more information.

The example below shows three Bill Plans downloaded for a contract, but only one (highlighted) is eligible for schedule overrides. To keep the sheet clear and avoid confusion, it is recommended to delete any Bill Plans that do not have Rate Schedules.



Contract Details							Plan Details						
Contract Detail	Contract Detail	Contract Name	Contract Number	Version	Version	Status	Plan Details N	Plan Details U	Plan Name	Method Name	Person Rate Schedule	Job Rate Schedule	Nonlabor Rate Schedule
		To be used fc	PM-Test-002	1	C	Draft			PM BP 001	Bill Rate Inv	US Person Cost Rate	US Job Cost Rate	US Non Labor Bill Rates
									PM BP 002	Burden Schedule Invoice			
									PM BP 003	Cost Reimbursable			

Sections:

[Create Bill Plan Schedule Overrides]
[Update Bill Plan Schedule Overrides]
[Limitations]

Update Bill Plan Schedule Overrides

The Integrator supports updates across six schedule override sections. To keep the sheet manageable and relevant, it is recommended to modify the layout so that only the schedule types you are updating appear on the sheet.

Key considerations for Updates

1. Parent Sections (Contract & Plan Details)
    a. Data in the **Contract Details** and **Plan Details** sections **cannot be updated**. These sections serve as parent sections for schedule overrides.
    b. The following parent columns **must be included** on the sheet:
        1. Contract Number
        2. Plan Name
        3. Job Rate Schedule *(Required if working with Job Rate overrides)*

2. ID Column Requirement
    a. Every override section contains an **ID column** (e.g., PR Override Id), which is **mandatory** for updates. Ensure this column is included in the sheet before making changes.
    b. Download the data first to retrieve the correct ID values.

3. Fields That Cannot Be Updated
    Certain key fields in each override section are **read-only** and cannot be modified:
    a. Person Name
    b. Person Number
    c. Job Name
    d. Job Code

4. Setting the Correct Upload Action
    a. To update an override, set the Upload Action to **'Update'** in the relevant override section.
    b. Review the data before uploading to ensure accuracy.

Example Update Scenario:
A new rate is added for a person.

Person Rates

Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR
	Update	30000027487	1/01/2025	1/08/2025	2	Arena, Frank		USD	255	

After uploading, you can download the updated data to verify the changes.

Person Rates

Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR Discount Pe
		30000027487	1/01/2025	1/08/2025	2	Arena, Frank		USD	255	

Sections:
Create Bill Plan Schedule Overrides
Download Bill Plan Schedule Overrides
Limitations

Limitations

Bill Plan Download
Currently, there is a limitation that prevents filtering out Bill Plans without Rate Schedules. As a result, all Bill Plans for a contract are included in the download, even if they do not have Rate Schedules. Enhancements to address this limitation are planned for future releases of this product.

Sections:
Create Bill Plan Schedule Overrides
Download Bill Plan Schedule Overrides
Update Bill Plan Schedule Overrides

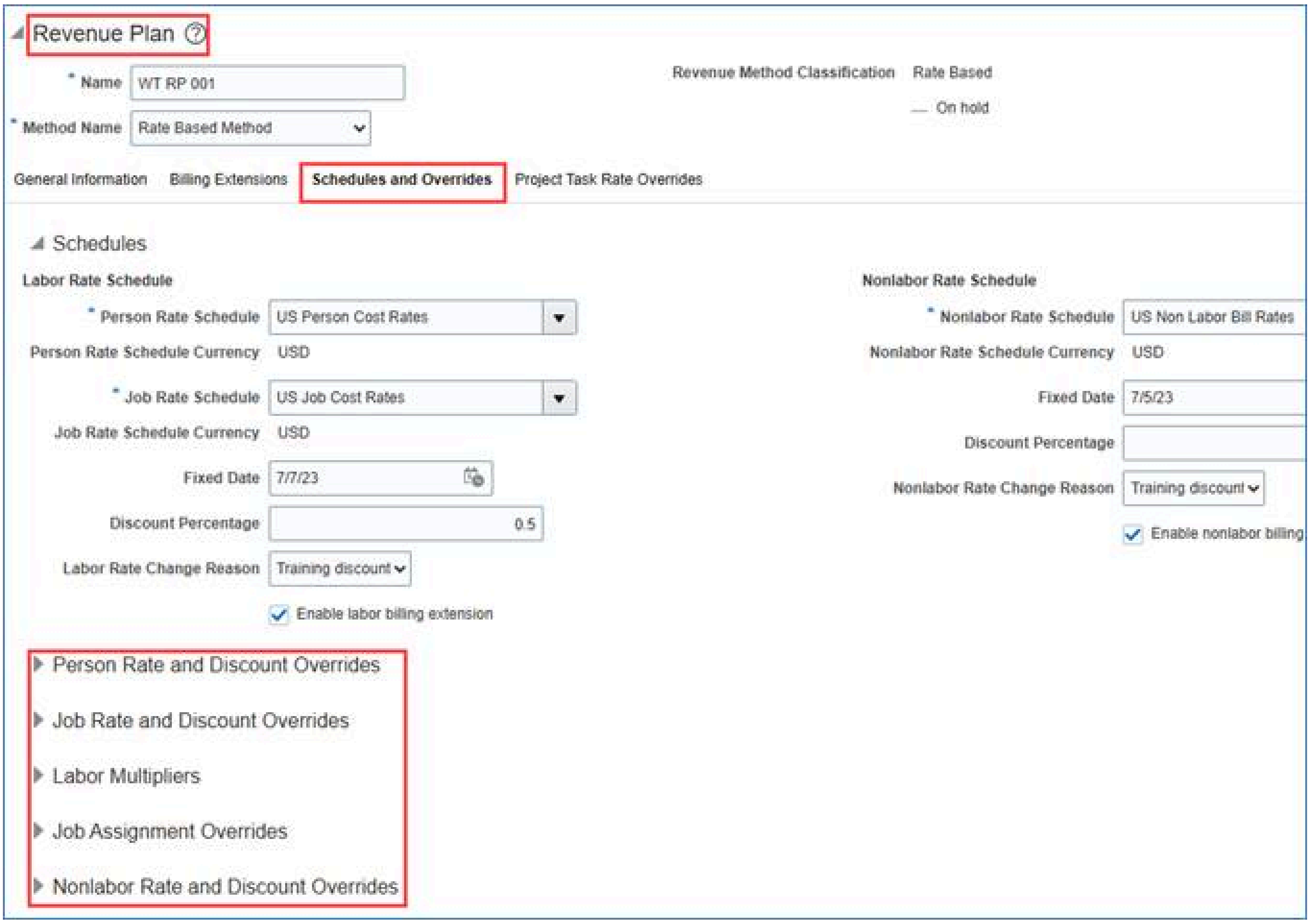
Revenue Plan Schedule Overrides Integrator

The Revenue Plan Schedule Overrides Integrator can be used to create, download and update Revenue Plan Schedule Overrides against Contract Revenue Plans. The Integrator loads data to Oracle Cloud using the supported Oracle ERP Cloud REST Web Services.

Before using this Integrator, ensure you review the Getting Started section to avoid any issues.

Also become familiar with the current Integrator Limitations. These will be resolved over time as Oracle improves the underlying web services and we add additional functionality to this product.

Revenue Plan Schedule Overrides in Oracle:



The Integrator supports the five schedule override types:

- Person Rate
- Job Rates
- Labor Multipliers
- Job Assignments
- Non Labor Rates

In each section of the overrides, you can carry out the following tasks:

- Create new schedule overrides
- Download existing schedule overrides
- Update existing schedule overrides

The Revenue Plan Schedule Overrides Integrator cannot be used to manage Contracts and Revenue Plans. Please use the [Contracts Integrator] to do this.

Note that this Integrator does not support Bill Plan Schedule Overrides. Please use the [Bill Plan Schedule Overrides Integrator] to manage the schedule overrides for Bill Plans.

If you require assistance with using the Integrator or have any related enquiries, please reach out to our dedicated More4apps [Support] team.

Navigate to the sections below for instructions on how to use the Integrator.

Sections:

[Create Revenue Plan Schedule Overrides](#)
[Download Revenue Plan Schedule Overrides](#)
[Update Revenue Plan Schedule Overrides](#)
[Limitations](#)

Create Revenue Plan Schedule Overrides

There are two key sections that must be present on the sheet to manage Revenue Plan Schedule Overrides:

- # Contract Details: include details of a contract. ‘Contract Number’ column must exist on the sheet.
- # Plan Details: include details of a Revenue Plan. ‘Plan Name’ column must exist on the sheet. ‘Job Rate Schedule’ column in the Plan Details section must exist on the sheet to manage Job Rates.

To keep the sheet layout manageable, select only the necessary schedule override type you want to work with. This can be achieved by using the ‘Design a Sheet’ option when selecting ‘Create New Sheet’, or by manually removing unneeded sections or columns. For further details see [Generating a New Sheet](#).

The parent section ‘Contract Details’ and the child section ‘Plan Details’ have upload actions **Create records** and **Update records**. They do not need to be populated to create the rate schedule overrides. The upload actions exist so that you can use them to propagate to as many as six grandchild sections if you’re wanting to create overrides for multiple sections at once. For further details about upload actions, see [Upload Action Columns](#).

Person Rates

To create schedule overrides for Person Rates, the ‘Person Rates Upload Action’ column value must be Create. Mandatory values to create a Person Rates override:

- # PR Start Date
- # PR End Date
- # PR Person Number (if the Person Name is a duplicate, a Person Number must be selected)
- # PR Currency
- # Either PR Rate or PR Discount Percentage (not both)

Person Rates

Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR Discount Percentage	PR Rate Change Reason
	Create		3/07/2023	3/07/2023		Allen, Raymond	189	USD	222		Training discount
	Create		3/07/2023	3/07/2023	2	Babich, Vasyl	2420	USD		22	Training discount
	Create		12/03/2025	12/03/2025		Allen, Raymond	189	USD	222		Training discount
	Create		3/07/2023	3/07/2023	2	Saunders, Jenn	172	USD	222		Training discount
	Create		3/07/2023	5/08/2024		Arena, Frank	137	USD	222		Training discount

‘PR Override Id’ column will be populated with a value after the overrides are uploaded.

Job Rates

To create schedule overrides for Job Rates, the ‘Job Rates Upload Action’ column value must be Create. Mandatory values to create a Job Rate override:

- # JR Start Date

#	JR End Date

#	JR Job Code (if the Job Name is a duplicate, a Job Code must be selected)

#	JR Currency

#	Either JR Rate or JR Discount Percentage (not both)

Job Rates											
Job Rates Messages	Job Rates Upload Action	JR Override Id	JR Start Date	JR End Date	JR Contract Line Number	JR Job Name	JR Job Code	JR Currency	JR Rate	JR Discount Percentage	JR Rate Change Reason
	Create	300000274763	2/01/2025	1/02/2025	1	Application	JOB248	USD		22	Other
	Create	300000274763	3/07/2023	3/07/2024		Apprentice	JOB953	USD	333		Other
	Create	300000274763	3/07/2023	20/02/2025		Application	JOB245	USD	333		Other

'JR Override Id' column will be populated with a value after the overrides are uploaded.

Labor Multipliers

To create a schedule override for Labor Multipliers, the 'Labor Multipliers Upload Action' column value must be Create. Mandatory values to create a Labor Multiplier override:

#	LM Start Date

#	LM End Date

#	Multiplier

Labor Multipliers						
Labor Multipliers Messag	Labor Multipliers Upload Acti	LM Override Id	LM Start Date	LM End Date	LM Contract Line Numb	Multiplie
	Create		1/01/2026	2/01/2026	5	11.5
	Create		3/01/2026	5/01/2026	4	12.5
	Create		5/01/2026	7/01/2026	3	13.59

'LM Override Id' column will be populated with a value after the overrides are uploaded.

Job Assignments

To create schedule overrides for Job Assignments, the 'Job Assignments Upload Action' column value must be Create. Mandatory values to create a Job Assignment override:

#	JA Start Date

#	JA End Date

#	JA Person Number (if the Person Name is a duplicate, a Person Number must be selected)

#	JA Job Code (if the Job Name is a duplicate, a Job Code must be selected)

Job Assignments									
Job Assignments Messag	Job Assignments Upload Acti	JA Override Id	JA Start Dat	JA End Date	JA Contract Line Numb	JA Person Nam	JA Person Numbe	JA Job Nam	JA Job Code
	Create		1/01/2025	2/01/2025		Sabbag, Malik	2905	Accountant	JOB001
	Create		1/01/2025	2/01/2025	3	Wagner, Karin	6168	Engineer	JOB024

'JA Override Id' column will be populated with a value after the overrides are uploaded.
Note: Billing Title Override is not relevant to Revenue Plans.

Non Labor Rates

To create schedule overrides for Non Labor Rates, the 'Non Labor Rates Upload Action' column value must be Create. Mandatory values to create a Non Labor Rate override:

\#	NL Start Date

\#	NL End Date

\#	Expenditure Type

\#	NL Currency

\#	Enter NL Rate, NL Markup Percentage, or NL Discount Percentage (one only)

Non Labor Rates

Non Labor Rates Messages	Non Labor Rates Upload Action	NL Override Id	NL Start Date	NL End Date	NL Contract Line	Expenditure Type	Nonlabor Resource	Organization	NL Currency	NL Rate	NL Markup Percentage	NL Discount Percentage	NL Rate Change Reason
	Create		3/07/2023	5/07/2024		Equipment	Lab Equipment	Civil Engineering HE US			34		
	Create		2/02/2025	5/02/2025	1	Equipment	Lab Equipment		AUD	333			Training discount
	Create		2/04/2026	5/04/2026	1	Equipment			USD	66			Training discount
	Create		2/06/2026	5/06/2026	1	Equipment		Network, H	USD	88			Training discount

‘NL Override Id’ column will be populated with a value after the overrides are uploaded.

Sections:

Download Revenue Plan Schedule Overrides
Update Revenue Plan Schedule Overrides
Limitations

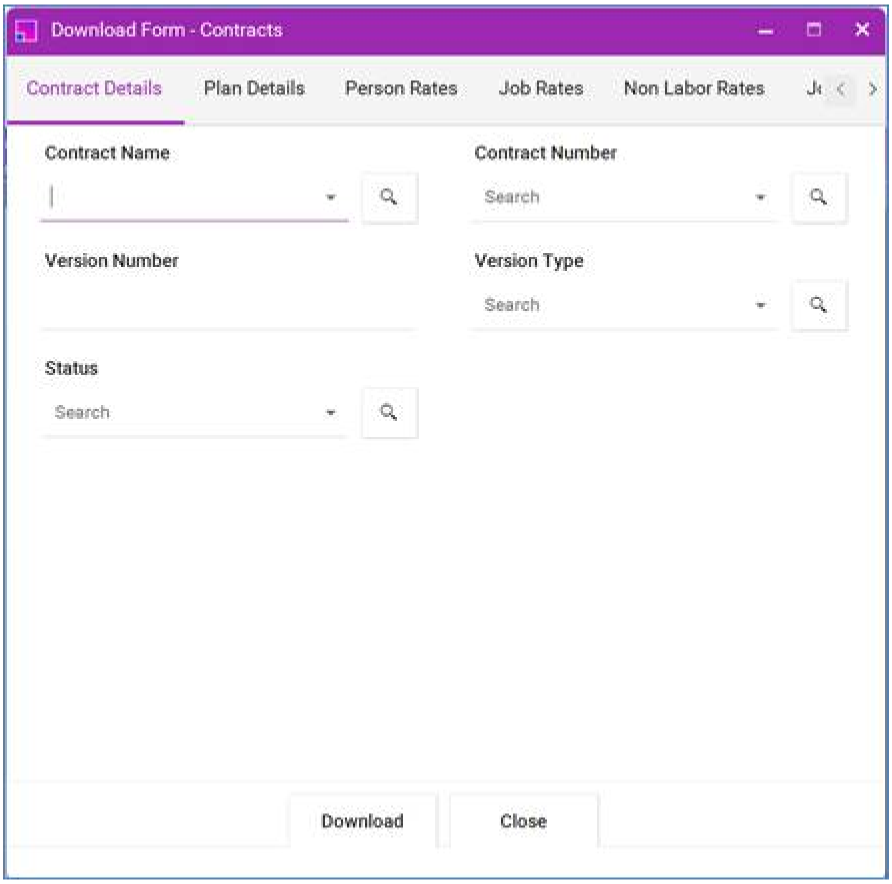
Download Revenue Plan Schedule Overrides

There are two ways to download Revenue Plan Schedules Overrides from Oracle using the Integrator. More information about downloading can be found here.

Download via Form

When you select ‘Download via Form’, a download form will appear, where you can enter your download criteria. It's important to note that each field operates independently, unless otherwise mentioned, meaning there is no interdependence between them. This design allows for flexibility in defining your search parameters.

Once you've entered the desired values into the respective fields, click the 'Download' button to initiate the download process. The Integrator uses the AND operator, which ensures that only records meeting all the specified criteria are included in the downloaded data.
This approach ensures precise data retrieval by matching the combined conditions set in the form.



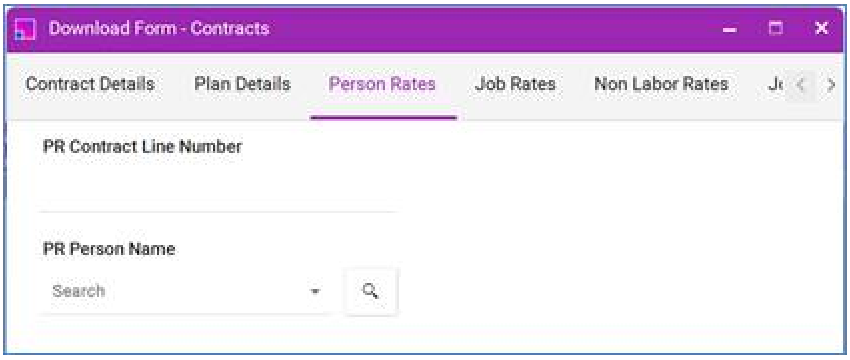
Only Contracts with Version Type ‘C’ (Current) will be downloaded as these are the only contracts eligible for schedule overrides.

The following fields have a loose dependency on another field, meaning that entering a value in one field will limit the available options in the related field:

- Contract Name → Limits the Contract Number field to contracts matching the provided name.
- Expenditure Type → Limits the Nonlabor Resource field to resources matching the selected Expenditure Type.
- Nonlabor Resource → Limits the Organization field to organizations associated with the selected Nonlabor Resource.

In some cases, certain fields on the Download Form do not have List of Values (LOV) support. These fields include:

- Version Number
- Contract Line Number



This limitation exists because there are too many duplicate values to populate the LOV. As a result, when using these fields as filters for downloads, you must manually enter the exact value to ensure accurate filtering.

The Download Form will always display all available sections for download, regardless of whether they exist on the sheet.

Download via Sheet

Note that query conditions on the sheet and in the Download Form are treated as **AND** clauses rather than **OR** in the download query.
When the option to 'Download via Sheet' is selected, the Integrator will use the data entered in the columns that allow sheet values to be used as the download criteria to download data to the sheet. These columns are indicated by a white triangle above the column name.

This Integrator supports child-level filtering, allowing you to refine search results using searchable fields within each schedule override section. Example below shows Person Name used as one of the filters when downloading a contract Revenue Plan.

Important Note on Downloading Revenue Plans

When downloading Revenue Plans for a contract, the Integrator retrieves **all** Revenue Plans associated with that contract, not just those that have rate schedules against them. This means that some Revenue Plans in the download may not have any associated Rate Schedules.

To apply schedule overrides, ensure that the Revenue Plan has Rate Schedules assigned. Only Revenue Plans with existing Rate Schedules are eligible for schedule overrides.

Use filtering options when downloading to narrow the results and avoid unnecessary data. See the Limitations for more information.

The example below shows three Revenue Plans downloaded for a contract, but only one (highlighted) is eligible for schedule overrides. To keep the sheet clear and avoid confusion, it is recommended to delete any Revenue Plans that do not have Rate Schedules.

				Plan Details						
Contract Number	Version	Version Type	Status	Plan Details Messages	Plan Details Upload Action	Plan Name	Method Name	Person Rate Schedule	Job Rate Schedule	Nonlabor Rate Schedule
Demo Sprint 3.3	1	C	Draft			WT RP 001	Rate Based M	US Person Cost Rates	US Job Cost Rates	US Non Labor Bill Rates
						WT RP 002	Burden Schedule Revenue			
						WT RP 003	Cost Reimbursable Revenue			
						11%WPRevenuePlan_RB	Percent Spent			
						8%WPRevenuePlan_RB	Percent Spent			

Sections:

[Create Revenue Plan Schedule Overrides](#)
[Update Revenue Plan Schedule Overrides](#)
[Limitations](#)

Update Revenue Plan Schedule Overrides

The Integrator supports updates across six schedule override sections. To keep the sheet manageable and relevant, it is recommended to modify the layout so that only the schedule types you are updating appear on the sheet.

Key considerations for Updates

1. Parent Sections (Contract & Plan Details)
   a. Data in the **Contract Details** and **Plan Details** sections **cannot be updated**. These sections serve as parent sections for schedule overrides.
   b. The following parent columns **must be included** on the sheet:
      1. Contract Number
      2. Plan Name
      3. Job Rate Schedule *(Required if working with Job Rate overrides)*

2. ID Column Requirement
   a. Every override section contains an **ID column** (e.g., PR Override Id), which is **mandatory** for updates. Ensure this column is included in the sheet before making changes.
   b. Download the data first to retrieve the correct ID values.

3. Fields That Cannot Be Updated
   Certain key fields in each override section are **read-only** and cannot be modified:
   a. Person Name
   b. Person Number
   c. Job Name
   d. Job Code

4. Setting the Correct Upload Action
   a. To update an override, set the Upload Action to **'Update'** in the relevant override section.
   b. Review the data before uploading to ensure accuracy.

Example Update Scenario:
A new rate is added for a person.

Person Rates										
Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR
	Update	30000027487	1/01/2025	1/08/2025	2	Arena, Frank		USD	255	

After uploading, you can download the updated data to verify the changes.

Person Rates										
Person Rates Messages	Person Rates Upload Action	PR Override Id	PR Start Date	PR End Date	PR Contract Line Number	PR Person Name	PR Person Number	PR Currency	PR Rate	PR Discount Pe
		30000027487	1/01/2025	1/08/2025	2	Arena, Frank		USD	255	

Sections:
[Create Revenue Plan Schedule Overrides](#)
[Download Revenue Plan Schedule Overrides](#)
[Limitations](#)

Limitations

Revenue Plan Download
Currently, there is a limitation that prevents filtering out Revenue Plans without Rate Schedules. As a result, all Revenue Plans for a contract are included in the download, even if they do not have Rate Schedules. Enhancements to address this limitation are planned for future releases of this product.

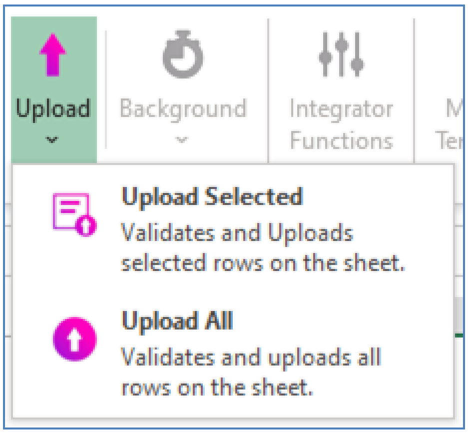
Sections:
[Create Revenue Plan Schedule Overrides](#)
[Download Revenue Plan Schedule Overrides](#)
[Update Revenue Plan Schedule Overrides](#)

Uploading

Uploading is the process where data has been prepared and is sent to Oracle ERP Cloud. This can be done on selected or all records in a worksheet.

Upload Selected
Uploads only selected records using the cursor.

Upload All
Uploads all records with the currently selected sheet.



For more information on uploading refer to the Upload section in the Add-in Documentation.

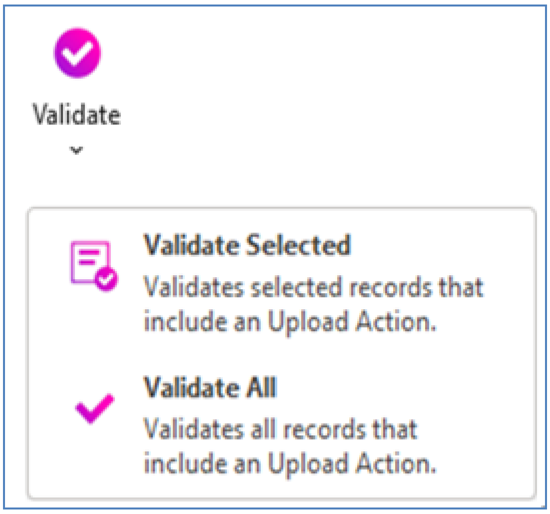
Error Handling and Validation

There are two levels of validation:

- Spreadsheet Validation - The Data Entry Form validates the data on the selected row using the lists of values, date formats, field lengths and some other field level validation.

- Upload Validation - The upload process will perform the spreadsheet validation above in addition to validation performed by the Oracle API.

Data keyed directly into the worksheet (not via the Data Entry Form) will be validated when it is uploaded.   If you wish to check anything before it is uploaded, simply open the form or click on the Validation icon to validate the records. If you have removed or renamed a compulsory column, you will not be able to upload the data.

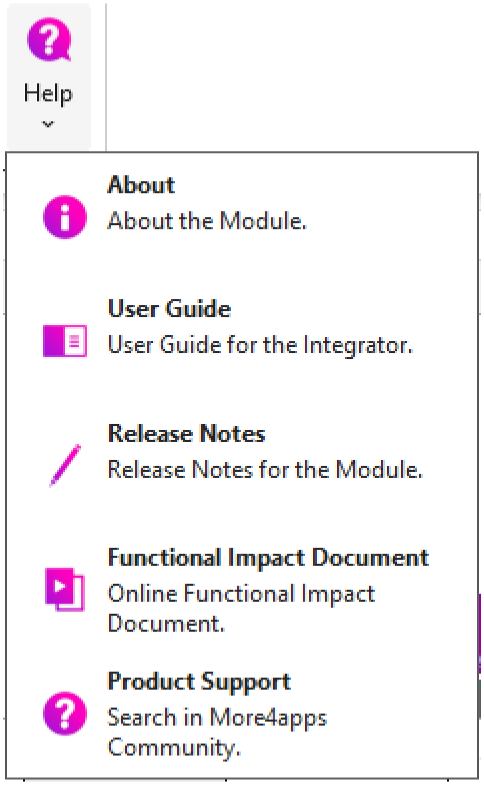


Performance

Performance can vary depending on many factors such as network latency, number of fields in the worksheet, number of records being uploaded or downloaded. For information on possible performance improvements refer to the documentation here.

Support

Refer to the troubleshooting section in this document. If you still need further assistance, please raise a support ticket though our helpdesk portal or our website here. Click on the ‘Help’ icon on the More4apps ribbon for help options.



Projects Module Troubleshooting

The following issues relate to unexpected results in Oracle ERP Cloud after uploading using the More4apps Integrators:

Integrator(s)	Issue	Detail
All	Download projects does not currently respect user security	You can download projects from another Business Unit even if you cannot access these through the Cloud Projects front-end. This issue has been logged as a Service Request with Oracle and they have responded that the security feature is not built yet for the REST web services. Please contact More4apps if you require more information about this issue.

All	On download you encounter the following exception: "Flurl.Http.FlurlParsingException: Response could not be deserialized to JSON"	Please remove any reserved keywords from your download criteria and re-attempt the download. Alternatively, alter your criteria to use a wildcard (%) to ensure the entire keyword is not used. Reserved Keywords include, but are not limited to, 'table', 'style' and 'div'. Oracle has confirmed a JDeveloper framework bug (33683557) where any download web service that includes reserved keywords in its criteria will fail and not return data. If the problem persists after carrying out the suggested steps, please contact More4apps Support.
All	Leading spaces and trailing spaces in ERP Cloud	If your data includes leading or trailing spaces, for example, 'Rate Based' or 'Amy Marlin ', sheet validation will fail. This is an Oracle limitation and there are 2 ways to resolve the issue. 1) Fix the data so that there are no leading or trailing spaces. 2) Launch the Data Form and select the value from the List of Values. A Service Request with Oracle was raised for this and Oracle responded that this is expected behaviour: it recommends fixing the data to remove leading and trailing spaces. As this has been stated as expected behaviour by Oracle, the fix for this is that the customer must initiate a data fix in their instance.
Budgets	Error when uploading Budgets against Projects with 'duplicate' Task or Resource Names.	The following error may be received when uploading Budgets against Projects with Task / Resource Names used in multiple Projects: *[Planning Resources] Duplicate combinations of Task Number [xx.xx.xxx] and Resource Name [Financial Resources-RS] exists on the row [xxx]* This issue has been resolved in the Projects Module version 17.7.2.0 released in June 2024. Download the latest Projects Module and retry the upload.
Forecasts	Download record limitations	Only 100 lines (Planning Resources) per Forecast will be downloaded. This is a bug in the Oracle REST web services and Oracle Support have said the fix will be applied in 23C.