

More4apps

Functional Impact Document

Routing Wizard

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15. Release 5.0.22 – 05/05/2025

This release includes internal but fixes.

14. Release 5.0.21 – 18/02/2025

This release includes internal updates.

Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified due to bug fixes and enhancements to the code. You can still use your current template worksheets in the new version.

There are no functional changes in this version.

13. Release 5.0.19 – 17/12/2024

Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified. You **can** still use your current template worksheets in the new version.

13.1 Explode Structure Data Columns

The Exploder Level columns have been added to give a clearer more visual representation of the Exploded structure.

They are Display Only columns and cannot be uploaded or used as download filters.

Top Item: The Item Exploded.

L0 - Lx: The level where each Routing occurs in the Exploded structure

Item Messages	Explode Level	Inventory Org Code	Item	Description	Status	Base Model	BOM Enabled	Top Item	L0	L1	L2	L3	L4	L5	L6	L7	L8	L9	LX
		M1	EXP_RTW0	RTW Explo	Active	Base Model	Yes	EXP_RTW0	X										
1	EXP_RTW0	M1	RTW11	RTW Explo	Active	Base Model	Yes	EXP_RTW0		X									
1	EXP_RTW0	M1	RTW12	RTW Explo	Active	Base Model	Yes	EXP_RTW0		X									
1	EXP_RTW0	M1	RTW13	RTW Explo	Active	Base Model	Yes	EXP_RTW0		X									
2	RTW11	M1	RTW21	RTW Explo	Active	Base Model	Yes	EXP_RTW0			X								
2	RTW11	M1	RTW22	RTW Explo	Active	Base Model	Yes	EXP_RTW0			X								
2	RTW13	M1	RTW25	RTW Explo	Active	Base Model	Yes	EXP_RTW0			X								
3	RTW21	M1	RTW31	RTW Explo	Active	Base Model	Yes	EXP_RTW0				X							
3	RTW21	M1	RTW32	RTW Explo	Active	Base Model	Yes	EXP_RTW0				X							
3	RTW22	M1	RTW33	RTW Explo	Active	Base Model	Yes	EXP_RTW0				X							
3	RTW22	M1	RTW34	RTW Explo	Active	Base Model	Yes	EXP_RTW0				X							
3	RTW25	M1	RTW35	RTW Explo	Active	Base Model	Yes	EXP_RTW0				X							
4	RTW32	M1	RTW41	RTW Explo	Active	Base Model	Yes	EXP_RTW0					X						
4	RTW35	M1	RTW45	RTW Explo	Active	Base Model	Yes	EXP_RTW0					X						

See the user [documentation](#) for further information.

13.2 Base Model Column

The Base Model column has been added to the Items section.
 This column shows the Base Item of ATO configured Items, or 'Base Item' if Item is not configured.

The Base Model can be used as a download filter for Manufacturing Routings.

Items					
Item Messages	Inventory Org Code	Item	Description	Status	Base Model
	M1	CN92777	Sentinel Cu	Active	Base Model
	M1	CN92777*1	Sentinel Co	Active	CN92777
	M1	CN92777*208962	CTO Sentin	Active	CN92777
	M1	CN92777*208964	CTO Sentin	Active	CN92777

See the user [documentation](#) for further information.

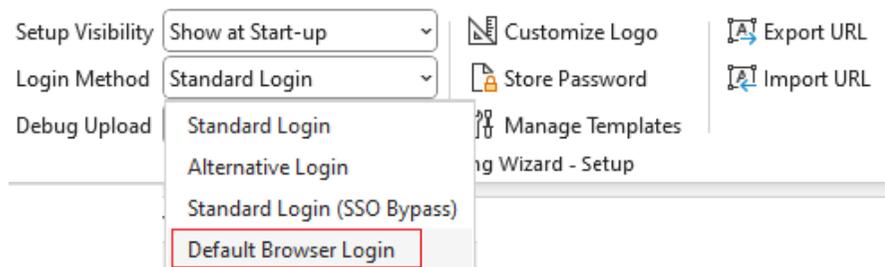
12. Release 5.0.15 – 20/11/2024

Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified. You **can** still use your current template worksheets in the new version.

12.1 Default Browser Login Method

A new login method has been added to the Wizard. The login method can be used with Oracle EBS 12.1 onwards. This method uses the default browser on your PC to display the EBS Login page. This is the best method to use if the 'Standard Login' method does not work for you.

This method works well with SSO. Many SSO, security and compatibility issues will be resolved by using this method.



See the common user [documentation](#) for further information.

11. Release 5.0.10 – 04/06/2024

Defaulting added to the 'Alternate' column in the Routings section.

When creating a new routing the only data needed on the sheet is Inventory Org Code, Item Number and a Routing Action of 'Create' or 'Create All'. At least one piece of data (Routing Action in this case) is required on the appropriate row in a section for defaulting to work.

10. Release 5.0.09 – 01/12/2023

This release includes internal updates.

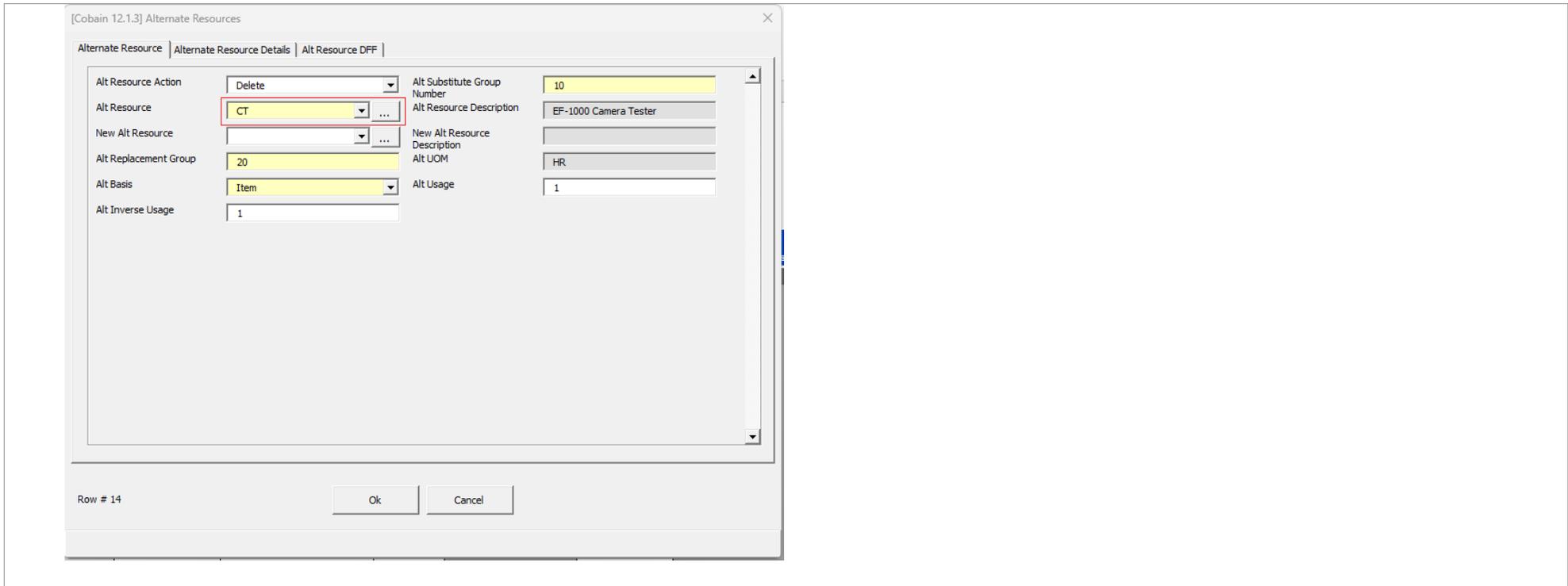


Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified due to bug fixes and enhancements to the code. You can still use your current template worksheets in the new version. There are no functional changes in this version.

9. Release 5.0.05 – 10/07/2023

Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified. You **can** still use your current template worksheets in the new version.

9.1 Alternate Resources Form	
Version: 5.0.05	Date: 10/07/2023
The Alternate Resource field is part of the unique identifier for an Alternate Resource and must exist for either an Update or Delete transaction.	



Alt Resource Action	Delete	Alt Substitute Group Number	10
Alt Resource	CT	Alt Resource Description	EF-1000 Camera Tester
New Alt Resource		New Alt Resource Description	
Alt Replacement Group	20	Alt UOM	HR
Alt Basis	Item	Alt Usage	1
Alt Inverse Usage	1		

9.2 Digital Signatures now required

In efforts to keep our products as secure as possible we've recently updated our Digital Signatures. This Wizard is now more secure for you and provides better visibility for tracking and promptly fixing issues related to broken signatures. Moving forward, when you update your EBS Wizard, a More4apps digital signature will be automatically applied. This means that users may receive a message when copying worksheets from older versions. For more information on how to resolve this, check out the Security section of the [User Guide](#).

8. Release 5.0.00 - 18/05/2023

8.1 New Release	
Version: 5.0.00	Date: 18/05/2023
<p>Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified.</p> <p>You cannot use your current template worksheets in the new version as the structure of the Wizard has changed with the introduction of Modes and data layout changes.</p> <p>Note: Any macros used to write data to your current worksheet will need to be updated. If More4apps previously supplied your macros, please log a support call to have your macros updated.</p> <p>This release enables templating to better control access to functions with the Wizard and the default behaviour of columns. System Administrators may wish to take advantage of implementing this.</p> <p>Important – Using Routing Wizard version 5.0.0, or later, will require a More4apps Routing Wizard Package upgrade. The minimum Package versions supported with this release are: Header version: 2.0.3 30-Nov-2022 Body version: 2.0.2 08-Dec-2022 Older package versions will produce errors on upload.</p>	
8.2 Ribbons	
Version: 5.0.00	Date: 18/05/2023
<p>Routing Wizard – Set Up Ribbon</p> <p>Old Routing Wizard – Setup Ribbon</p>	

Routing Wizard - Setup

Setup Visibility: Show at Start-up
 Login Method: Standard Login
 Debug Upload: Debug off

Edit Template | Customize Fields | Export URL | Import URL

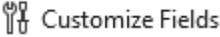
New Routing Wizard – Setup Ribbon

Routing Wizard - Setup

Setup Visibility: Show at Start-up
 Login Method: Standard Login
 Debug Upload: Debug off

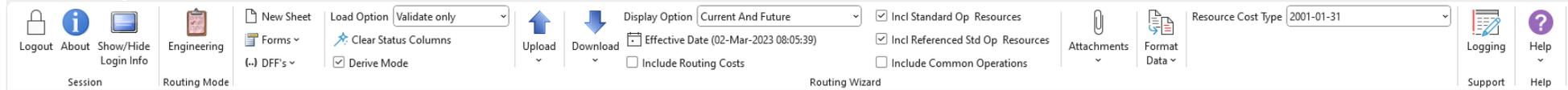
Customize Logo | Store Password | Manage Templates | Export URL | Import URL

New Features	Old Routing Wizard	New Routing Wizard
Customize Logo	Not available in the old Routing Wizard.	 Customize Logo Gives you the ability to change the default Routing Wizard logo that is used in the Wizard templates with one of your own. For further information refer to the online documentation: Routing Wizard User Instructions – Customize Logo
Store Password	Not available in the old Routing Wizard.	 Store Password Protect your worksheet after data-entry to prevent further changes. However, you must store the password to use the upload/validate functions. Click on this icon and store the password that you have used to protect the worksheet.

		For further information refer to the online documentation: Common User Instructions: Worksheet Protection
Manage Templates	 Edit Template  Customize Fields <p>The combination of these two functions allowed the User to customize the one existing template.</p>	 Manage Templates <p>The latest Templating functionality. Create new Templates or modify attributes of existing Templates. Note: Templates from the old Routing Wizard cannot be brought across to the new Routing Wizard. For further information refer to the online documentation: Routing Wizard User Instructions – Manage Templates</p>

Routing Wizard Ribbon

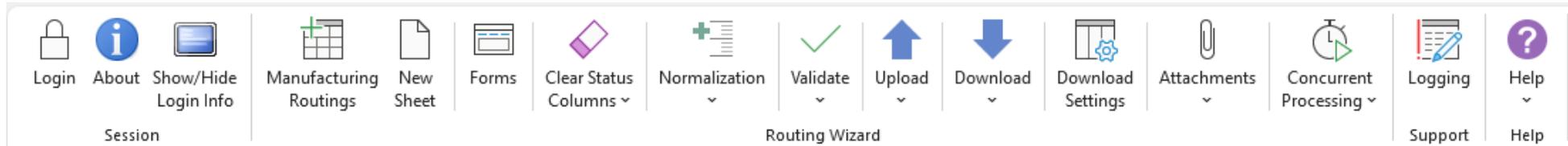
Old Routing Wizard Ribbon



The Old Routing Wizard Ribbon includes the following elements:

- Session:** Logout, About, Show/Hide Login Info
- Routing Mode:** Engineering, Forms, (-) DFF's
- Load Option:** Validate only (dropdown), Clear Status Columns, Derive Mode (checkbox)
- Routing Wizard:** Upload, Download, Display Option (Current And Future), Effective Date (02-Mar-2023 08:05:39), Include Routing Costs (checkbox), Incl Standard Op Resources (checkbox), Incl Referenced Std Op Resources (checkbox), Include Common Operations (checkbox)
- Attachments:** Attachments, Format Data
- Resource Cost Type:** 2001-01-31 (dropdown)
- Support/Help:** Logging, Help

New Routing Wizard Ribbon



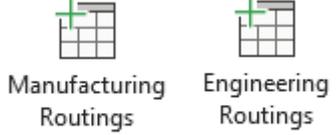
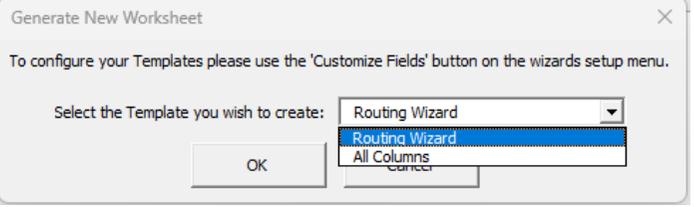
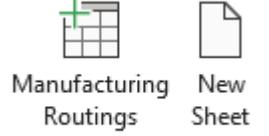
The New Routing Wizard Ribbon includes the following elements:

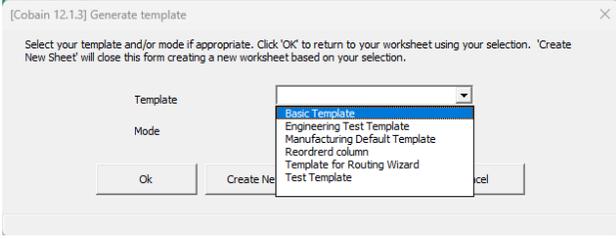
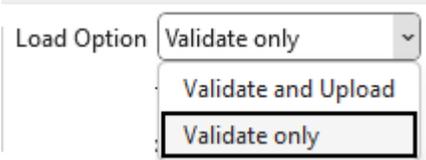
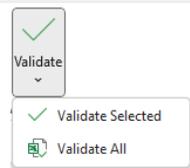
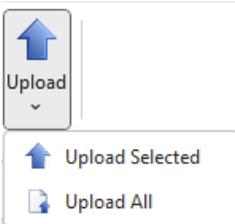
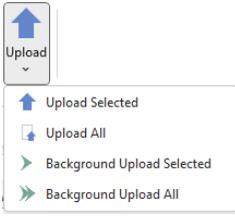
- Session:** Login, About, Show/Hide Login Info
- Manufacturing:** Manufacturing Routings, New Sheet, Forms
- Clear Status Columns:** Clear Status Columns
- Normalization:** Normalization
- Validate:** Validate
- Upload/Download:** Upload, Download
- Download Settings:** Download Settings
- Attachments:** Attachments
- Concurrent Processing:** Concurrent Processing
- Support/Help:** Logging, Help

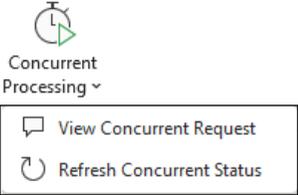
New Features and Changes

Old Routing Wizard

New Routing Wizard

<p>Mode Icon</p>	 <p>Routing Mode Routing Mode</p> <p>Displays the Mode based on the Responsibility.</p>	 <p>Manufacturing Routings Engineering Routings</p> <hr/>  <p>Manufacturing Routings Basic Template</p> <p>Displays Template if a template other than the default is used.</p>
<p>New Sheet</p>	<p>To create a New Sheet.</p>  <p>Select 'New Sheet' icon on the Routing Wizard ribbon to open the 'Generate New Workbook' form.</p>  <p>Select the Template and press the OK button.</p>	<p>To create a new sheet</p>  <ol style="list-style-type: none"> 1. Select the 'New Sheet' icon on the Routing Wizard ribbon to create a new sheet using the default Template. 2. Select the Template icon on the Routing Wizard ribbon to select a template (other than the default) for the new sheet

		
Forms	 <p>Forms: A list of the data forms for the sections on the template. (...) DFFs: A list of the DFF forms for the sections on the template that support Flexfields. Note: Opening a form will move the focus (cursor) to the appropriate section before opening the form.</p>	 <p>A list of data forms for the sections on the template. The new forms are tabbed and include the DFF fields. Note: Opening a form will not move the focus (cursor) to the appropriate section before opening the form.</p>
Upload Options	 <p>Choose either Validate only to check your Routings or Validate and Upload to validate your Routings and upload them to Oracle if no errors are found.</p>	 <p>The 'Load Option' functionality has been divided between Validate and Upload. Validate: Select a range of Routings to validate. Validate All: Validate all Routings on the sheet.</p>
		

	<p>Upload Selected: Validate and Upload a single or selected range of Routings to Oracle if no errors are found.</p> <p>Upload All: Validate and Upload all Routings to Oracle if no errors are found.</p> <p>Background Upload is not available in the old Routing Wizard.</p>	<p>Upload Selected: Validate and Upload a single or selected range of Routings to Oracle if no errors are found.</p> <p>Upload All: Validate and Upload all Routings to Oracle if no errors are found.</p> <p>Background Upload Selected: Validate and Upload a single or range of Routings, and create a concurrent request. It does not update the sheet with results until requested to (via the Refresh Concurrent option).</p> <p>Background Upload All: Validate and Upload all Routings, and create a concurrent request.</p> <p>Refer to the online documentation: Routing Wizard User Instructions – Upload Routings</p>
<p>Concurrent Processing</p>	<p>Not available in the old Routing Wizard.</p>	 <p>View Concurrent Request: This will enable you to view your concurrent requests on the Oracle Concurrent Manager.</p> <p>Refresh Concurrent Status: This will refresh the status of the records in the spreadsheet after the concurrent request has run. It will show errors or warning messages as applicable.</p> <p>Refer to the online documentation: Routing Wizard User Instructions – Upload Routings</p>

Derive Mode

Derive Mode

When ticked, 'Derive Mode' will cascade the Upload Mode (Create, Update) down the lineage, filling the blanks.

Routing Upload Mode	Operation Upload Mode	Resource Upload Mode
Create		

Result of Derive Mode

Routing Upload Mode	Operation Upload Mode	Resource Upload Mode
Create	Create	Create

Note:

To upload a lower section (Resource) all sections above it (Routings, Operations) must have an Upload Action.

Create
Create All
Update
Update All
Delete

The Derive Mode option is no longer available on the ribbon.

Cascading Upload Actions down the lineage is now done by using the Upload-Action-**All** option.

Create: Create the section in which the Upload Action is placed. Equates to Create with Derive Mode off.

Create All: Create the section in which the Upload Action is placed and cascade the Create action down the lineage filling the blanks. Equates to Create with Derive Mode on.

Update: Update the section in which the Upload Action is placed. Equates to Update with Derive Mode off.

Update All: Update the section in which the Upload Action is placed and cascade the Update action down the Lineage filling the blanks. Equates to Update with Derive Mode on.

Delete: To Delete Routings or Operations Routing Wizard puts them into a 'Delete Group' from where they are deleted in an action outside the Routing Wizard.

Resources and Alternate Resources are deleted directly.

Note: It is possible to upload **ONLY** the section desired. It is no longer necessary to ensure all sections above the desired upload have an Upload Action.

This is a great performance enhancement.

Download via Form



Download

- Download via form
- Download using sheet data

[Cobain 12.1.3] Download Routing

Download by Routing

Inventory Org

Assembly Std Item for Explode Test

To

Revision

Alternate Multiple Alternates

Item Status

Where Used

Operation Sequence Operation Code

Department

Include Other Departments within the Routing

Resource Multiple Resources

Include Other Resources within the Operation

Exploder Options

Cascade Alternate when Exploding

Costing Type Option

Cost Type 2001-01-31

Each mode has multiple Download Sources.

[Cobain 12.1.3] Select Download Source

Download Source

Manufacturing Routings

Manufacturing Routings

Manufacturing Routings Exploder

The Download Form is tabbed relating to sections (Routings, Operations, Resources)

Routing tab

[Cobain 12.1.3] Download Form

Routing Criteria... | Operation Criteria... | Resource Criteria...

Inventory Org Code

Item Item To

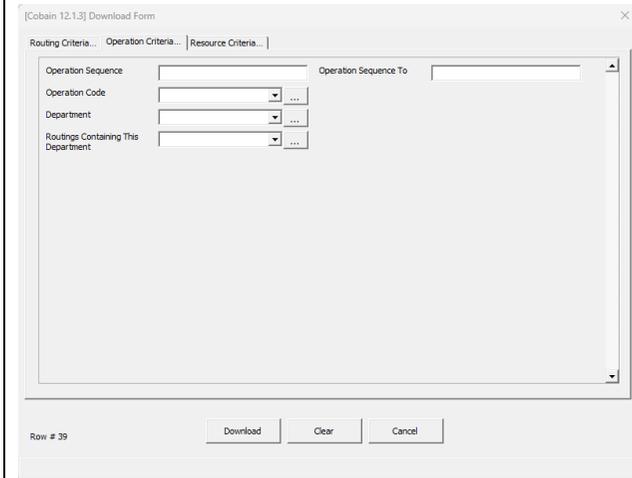
Description Status

Alternate

Revision

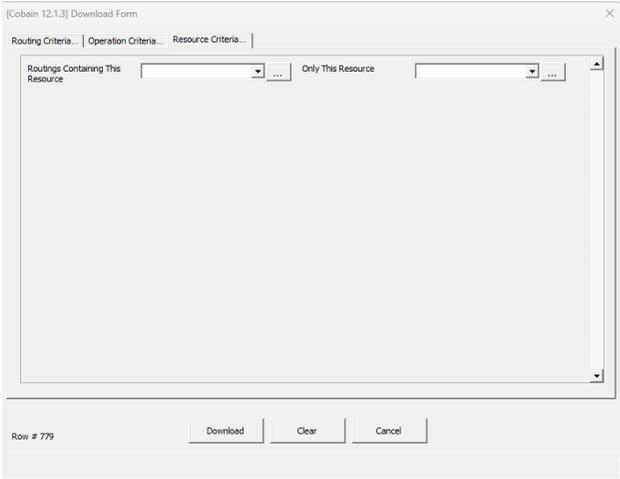
Row # 39

Operations tab

A screenshot of a software dialog box titled '[Cobain 12.1.3] Download Form'. The dialog has a tabbed interface with 'Routing Criteria...' selected. It contains several input fields: 'Operation Sequence' (text), 'Operation Sequence To' (text), 'Operation Code' (dropdown), 'Department' (dropdown), and 'Routings Containing This Department' (dropdown). Each dropdown menu has a three-dot icon to its right. At the bottom of the dialog, there are three buttons: 'Download', 'Clear', and 'Cancel'. The status bar at the bottom left of the dialog shows 'Row # 39'.

The 'Include Other Departments within the Routing' filter that was in the 'Old' Routing Wizard download form, is now called 'Routings containing this Department' on the Operation tab in the 'New' Routing Wizard download form.

Resources tab

		 <p>The 'Include Other Resources within the Routing' filter that was in the 'Old' Routing Wizard download form is now called 'Routings containing this Resource' on the Resource tab in the 'New' Routing Wizard download form.</p> <p>Routing Wizard User Instructions – Download Form</p>												
Explode Routing	'Explode Routing' is a button on the Download Form.	Explode Routing is now a Download Source for both the Engineering Routings and Manufacturing Routings modes.												
Download using sheet data	<table border="1" data-bbox="707 1161 1364 1401"> <thead> <tr> <th>Sheet Filter Columns</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Inventory Org Code</td> <td></td> </tr> <tr> <td>Assembly</td> <td></td> </tr> </tbody> </table>	Sheet Filter Columns	Notes	Inventory Org Code		Assembly		<table border="1" data-bbox="1469 1161 2089 1436"> <thead> <tr> <th>Sheet Filter Columns</th> <th>Mode(s)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Inventory Org Code</td> <td>Manufacturing Routings (Man) and Engineering</td> <td></td> </tr> </tbody> </table>	Sheet Filter Columns	Mode(s)	Notes	Inventory Org Code	Manufacturing Routings (Man) and Engineering	
Sheet Filter Columns	Notes													
Inventory Org Code														
Assembly														
Sheet Filter Columns	Mode(s)	Notes												
Inventory Org Code	Manufacturing Routings (Man) and Engineering													

Alternate					Routings (Eng)		
	Operation Sequence	Returns All Routings related to Header filters (Inventory Org Code, Assembly and Alternate) and only those Operations related to the Operation Sequence given.		Item	Man, Eng		
	Department	Returns All Routings related to Header filters (Inventory Org Code, Assembly and Alternate) and only those Operations related to the Department given.		Description	Man, Eng	Returns only those Items and Routings that have an Item Description.	
	Resource	Returns All Routings related to Header filters (Inventory Org Code, Assembly and Alternate) and only those Resources related to the Resource given.		Status	Man, Eng	Returns only those Items and Routings that have an Item Status as given.	
				Revision ECO	Eng	Returns only those Routings that have been implemented by the ECO given.	
				Revision ECO Status	Eng	Returns only those Routings that relate to an ECO with the Status given.	
				Alternate	Man, Eng	Returns only those Routings of	

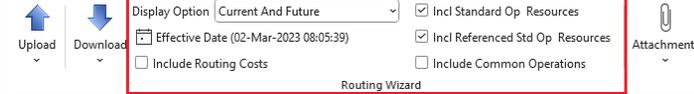
						the Alternate given.
				Common Routing Item	Man, Eng	Returns only those Routings that are common to the Routing given.
				Operation Sequence	Man, Eng	Returns only those Routings that have at least 1 Operation of the Sequence given.
				Operation Code	Man, Eng	Returns only those Routings that contain Standard Operation(s) of the Code given.
				Department	Man, Eng	Returns only those Routings that contain Department(s) given.
				Operation ECO	Eng	Returns only those Routings that

					have Operation(s) implemented by the ECO given.
			Operation ECO Status	Eng	Returns only those Routings that have Operation(s) that relate to an ECO with the Status given.
			Resource	Man, Eng	Returns only those Routings that contain Resource(s) given.
			Resource ECO	Eng	Returns only those Routings that have Resource(s) implemented by the ECO given.

Download Settings Form



Ribbon Filters



Upload Download Attachments

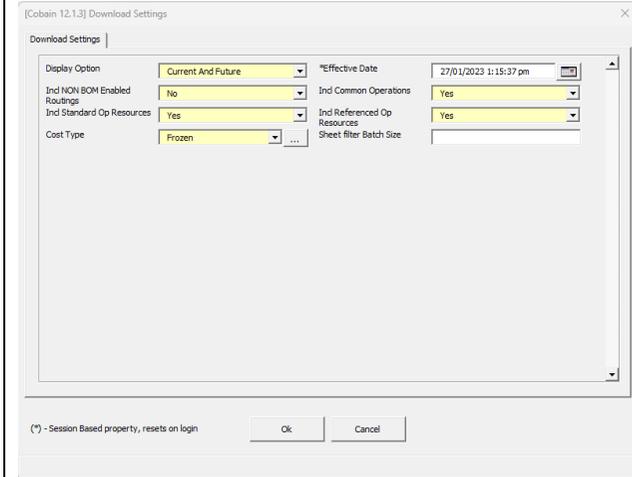
Display Option: Current And Future Incl Standard Op Resources

Effective Date (02-Mar-2023 08:05:39) Incl Referenced Std Op Resources

Include Routing Costs Include Common Operations

Routing Wizard

The download filters as shown above are now in the Download Settings Form on the ribbon.



[Cobain 12.1.3] Download Settings

Download Settings

Display Option: Current And Future *Effective Date: 27/01/2023 1:15:37 pm

Incl NON BOM Enabled: No Incl Common Operations: Yes

Incl Standard Op Resources: Yes Incl Referenced Op Resources: Yes

Cost Type: Frozen Sheet Filter Batch Size:

(*) - Session Based property, resets on login

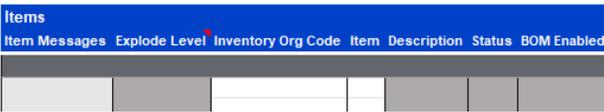
Ok Cancel

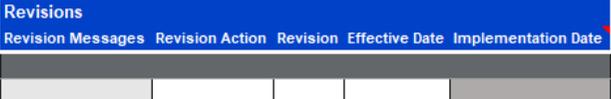
Refer to [Routing Wizard User Instructions – Download Settings Form](#)

8.3 Section/Column Changes

Version: 5.0.00

Date: 18/05/2023

Sections/Columns	Old Routing Wizard	New Routing Wizard
<p>Header Section has been divided into Items, Revisions, and Routings sections to better reflect the EBS structure and</p>	<p>Header Section Routing Upload Mode – Renamed as ‘Routing Action’ Inventory Org Code Assembly – Renamed as ‘Item’ Assembly Description – Renamed as ‘Description’ Item Status – Renamed as ‘Status’ Alternate</p>	<p>Items Section</p>  <p>Explode Level – New display only column showing the Indented Structure for an Exploded Routing download Inventory Org Code</p>

<p>provide improved functionality and performance.</p>	<p>Capable to Promise Engineering Routing – Removed as Engineering Routings have their own mode. Priority Completion Subinventory Completion Locator Routing Comments Common Routing – Renamed as ‘Common Routing Item’ Common Routing Description Original System Reference Routing Delete Group Routing Delete Group Description Routing DFF columns Current Routing Revision - Removed Current Routing Revision Date - Removed Routing Revision – Renamed as ‘Revision’ Routing Revision Date – Renamed as ‘Effective Date’ Routing Revision DFF Columns</p> <p>Note(s): Only the Current Revision is downloaded.</p>	<p>Item Description Status BOM Enabled– New display only column.</p> <p>Revisions Section</p>  <p>Revision Action – New Action column for new Revisions section. Note 1: the only upload action is ‘Create’ as the Routing Wizard doesn’t support changing existing Revisions. Note 2: When creating the ‘Primary’ (first) Routing do not upload a Revision as the API creates one based the Organization defaults.</p> <p>Revision Effective Date Implementation Date – New display only column showing the date the Revision was implemented by ECO, or Effective date if not implemented by ECO. Revision DFF columns.</p> <p>Note(s): 1.Download of Revisions is now controlled by the ‘Display Option’ and ‘Effective Date’ on the ‘Download Settings’ form or optionally the ‘Revision’ filter on the Download Form. 2. More than one Revision may be downloaded</p> <p>Routings Section</p>
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		<p>Routing Action Alternate Common Routing Item Common Routing Description Capable to Promise Priority Serialization Start Op Seq – New column allowing the User to set the starting operation sequence for serial-controlled Items. Original System Reference Completion Subinventory Completion Locator Routing Comment Routing Delete Group Routing Delete Description Routing DFF columns</p>																								
<p>Assembly Cost Details section is now a completely display only section.</p>	<table border="1"> <thead> <tr> <th colspan="4" style="background-color: #0056b3; color: white;">Assembly Cost Details</th> </tr> <tr> <th style="background-color: #0056b3; color: white;">Cost Type Message</th> <th style="background-color: #0056b3; color: white;">Cost Type</th> <th style="background-color: #0056b3; color: white;">Assembly Unit Cost</th> <th style="background-color: #0056b3; color: white;">Assembly Material C</th> </tr> </thead> <tbody> <tr> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> </tbody> </table> <p>Cost Type column is actionable.</p>	Assembly Cost Details				Cost Type Message	Cost Type	Assembly Unit Cost	Assembly Material C					<table border="1"> <thead> <tr> <th colspan="4" style="background-color: #0056b3; color: white;">Routing Cost Details</th> </tr> <tr> <th style="background-color: #0056b3; color: white;">Cost Type</th> <th style="background-color: #0056b3; color: white;">Unit Cost</th> <th style="background-color: #0056b3; color: white;">Material Cost</th> <th style="background-color: #0056b3; color: white;">Material Overhead Co</th> </tr> </thead> <tbody> <tr> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> <td style="background-color: #cccccc;"></td> </tr> </tbody> </table> <p>Cost Type Message - Removed Cost Type column is a display only column</p>	Routing Cost Details				Cost Type	Unit Cost	Material Cost	Material Overhead Co				
Assembly Cost Details																										
Cost Type Message	Cost Type	Assembly Unit Cost	Assembly Material C																							
Routing Cost Details																										
Cost Type	Unit Cost	Material Cost	Material Overhead Co																							
<p>Operations section has a new column and new functionality.</p>		<p>New Columns/Functionality. New Operation Sequence is used for Create uploads. New column: New Effective From</p>																								

			Enter the Effective From date/time of the new Operation (Create) or change the Effective From date/time of an existing Operation (Update).	
Operation Resources section has a column renamed.	Resource Upload Mode - Renamed		Resource Upload Action	
Alternate Resources section has a new column and new functionality.			New column: New Alt Resource Use with a 'Create' upload action to add a new Alternate Resource to the Substitute Group. Use with a 'Update' upload action to change an Alternate Resource within the Substitute Group.	

7. Release 4.4.01 – 07/11/2022

7.1 Internal Updates	
Version: 4.4.01	Date: 07/11/2020
<p>Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified due to bug fixes and enhancements to the code. You can still use your current template worksheets in the new version. There are no functional changes in this version.</p>	

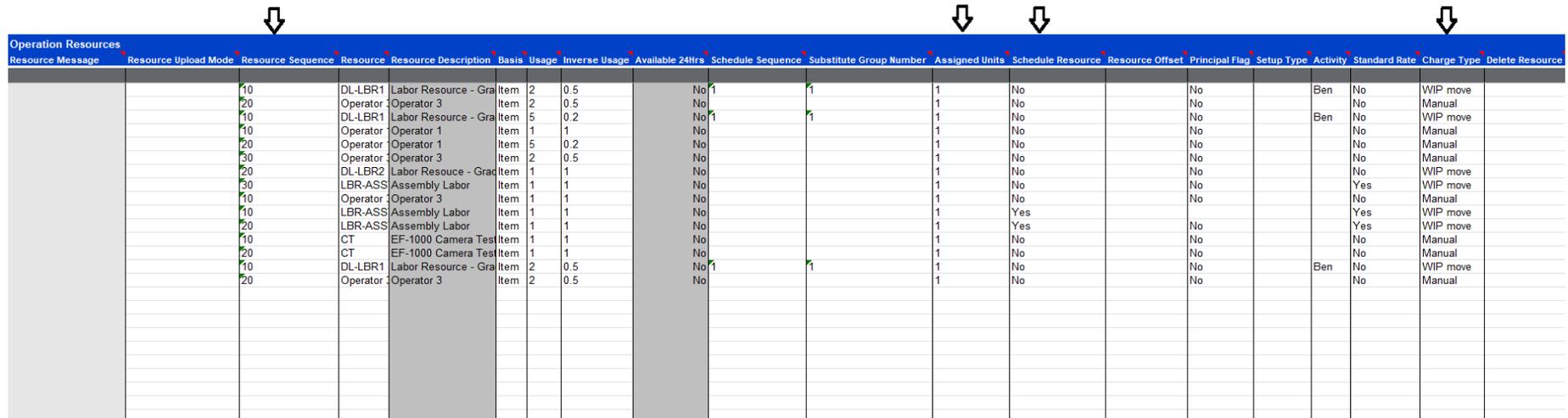
6. Release 4.3.97 – 17/05/2022

6.1 Operation Resource Section

Version: 4.3.94

Date: 17/06/2020

In the latest version of the Wizard the Resource Sequence, Assigned Units, Schedule Resource and Charge Type columns from the Operation Resources section will no longer default data in the columns. The data in these columns must be populated by the user or downloaded from Oracle.



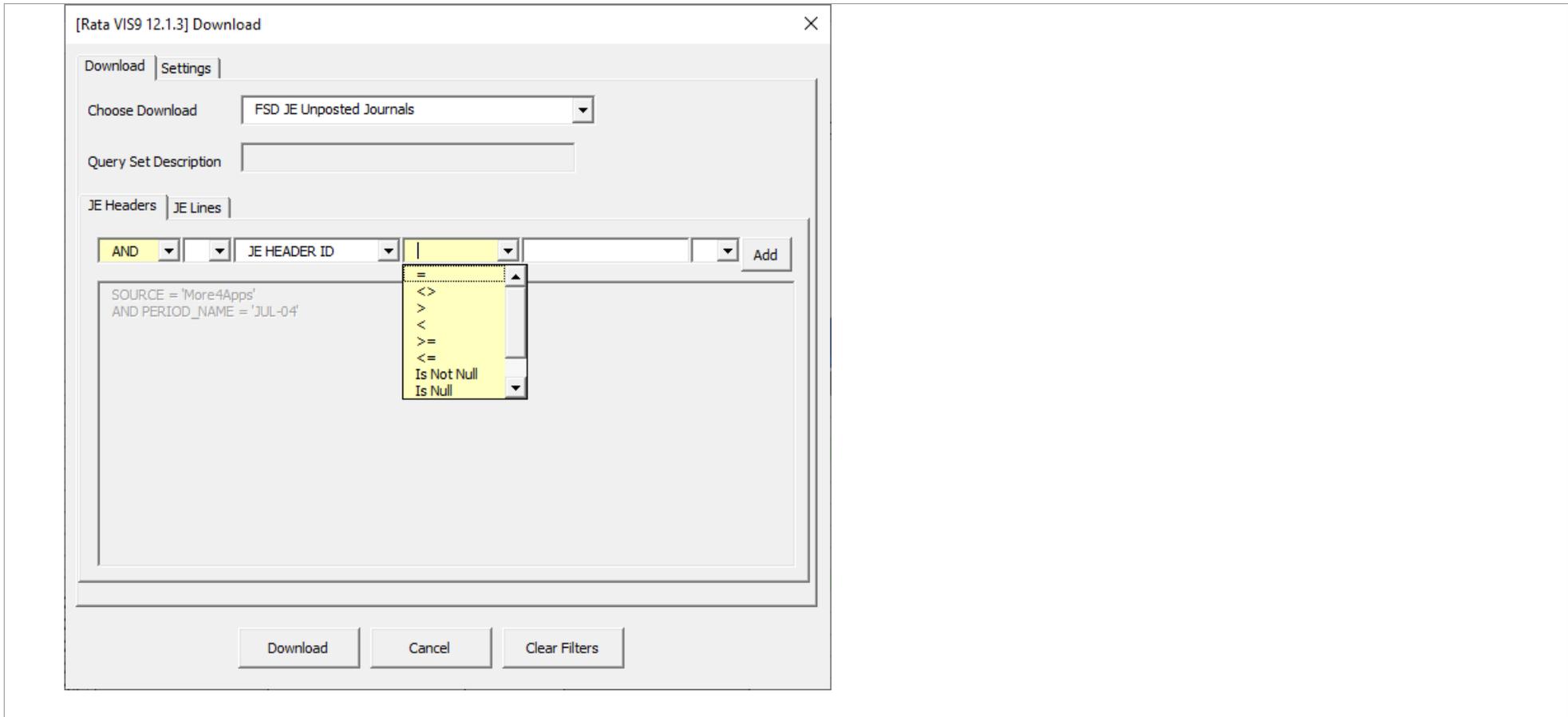
Resource Message	Resource Upload Mode	Resource Sequence	Resource	Resource Description	Basis	Usage	Inverse Usage	Available 24hrs	Schedule Sequence	Substitute Group Number	Assigned Units	Schedule Resource	Resource Offset	Principal Flag	Setup Type	Activity	Standard Rate	Charge Type	Delete Resource
10		DL-LBR1	Labor Resource - Gra	Item	2	0.5	No	1	1		1	No		No		Ben	No	WIP move	
20		Operator 3	Operator 3	Item	2	0.5	No				1	No		No			No	Manual	
10		DL-LBR1	Labor Resource - Gra	Item	5	0.2	No	1	1		1	No		No		Ben	No	WIP move	
10		Operator 1	Operator 1	Item	1	1	No				1	No		No			No	Manual	
20		Operator 1	Operator 1	Item	5	0.2	No				1	No		No			No	Manual	
30		Operator 3	Operator 3	Item	2	0.5	No				1	No		No			No	Manual	
20		DL-LBR2	Labor Resource - Gra	Item	1	1	No				1	No		No			No	WIP move	
30		LBR-ASS	Assembly Labor	Item	1	1	No				1	No		No		Yes	WIP move		
10		Operator 3	Operator 3	Item	1	1	No				1	No		No			No	Manual	
10		LBR-ASS	Assembly Labor	Item	1	1	No				1	Yes		No		Yes	WIP move		
20		LBR-ASS	Assembly Labor	Item	1	1	No				1	Yes		No		Yes	WIP move		
10		CT	EF-1000 Camera Test	Item	1	1	No				1	No		No			No	Manual	
20		CT	EF-1000 Camera Test	Item	1	1	No				1	No		No			No	Manual	
10		DL-LBR1	Labor Resource - Gra	Item	2	0.5	No	1	1		1	No		No		Ben	No	WIP move	
20		Operator 3	Operator 3	Item	2	0.5	No				1	No		No			No	Manual	

6.2 Custom Query SQL Injection Update

Version: 4.3.87

Date: 14/01/2022

Custom Query functionality will no longer allow written SQL criteria in the Download form. Download criteria must now be added using the provided controls.



5. Release 4.3.81 – 17/06/2021

5.1 Update

Version: 4.3.81

Date: 17/06/2020

Whilst we at More4apps have tried to maintain the same look and user interaction, some functionality has been modified due to bug fixes and enhancements to the code. You can still use your current template worksheets in the new version. There are no functional changes in this version.

4. Release 4.3.66 – 15/06/2020

4.1 New More4apps Brand Applied

Version: 4.3.61

Date: 04/04/2020

This will have no functional impact on users and is purely a cosmetic update.

Existing templates with previous styles will work with this version, please note however the colours may change in these sheets when invoking Wizard functionality.

Routing Wizard

Routing					Header												
Upload Results					Message												
Header Status	Cost Type Status	Operation Status	Resource Status	Alt Resource Status	Routing Upload Mode	Inventory Org Code	Assembly	Assembly Description	Item Status	Alternate	Capable to Promise	Engineering Routing	Priority	Completion Subinventory	Completion Loca		
Default Values					Update												
Accepted	Accepted	Accepted	Accepted		Update	M1	AS10000	405 Digital Camera	Active	Primary	No	No					
Accepted	Accepted	Accepted	Accepted		Update	M1	AS10000	405 Digital Camera	Active	DBOM	No	No					
Accepted	Accepted	Accepted	Accepted														
Accepted	Accepted	Accepted	Accepted														
Accepted	Accepted	Accepted	Accepted														
Accepted	Accepted	Accepted	Accepted		Create	M1	AS30000	305 Digital Camera	Active	Rework	No	No		FGI			
Accepted	Accepted	Accepted	Accepted														
Accepted	Accepted	Accepted	Accepted														
Error	Validated	Validated	Error	Validated	Alternate Prim	Create	M1	AS30000	305 Digital Camera	Active	Primary	No	No	1	FGI		
	Validated		Error	Validated													
	Validated	Validated	Error	Validated													
	Validated	Validated	Error	Validated													
	Validated	Validated	Error	Validated													
	Validated	Validated	Error	Validated													
	Validated	Validated	Error	Validated													

No column names have been added or modified.

4.2 Improvements in the new Version

Version: 4.3.61

Date: 04/04/2020

- Wizard now Validate Engineering flag rules and improved responsibility accesses to display in the ribbon with correct name and color.
- Updated Alternate validation when attempting to Upload Selected.
- Wizard has new Firewall Protection modification.
- Improved Wizard ribbon display functionality to Correctly download (Form and Sheet) accordance with the Display Option (Current, Current and Future, All).
- Improved Disabled Date validation and insure only '[BLANK]' to be used erases the disabled date.
- Improve download functions of Download form including the impact of ECO on the routing.
- Improved the Cost Type LOV functions.

- Improve validation messages to be more meaningful.

3. Release 4.3.39 – 01/08/2019

The following includes details of the incremental fixes, functionality changes and or additions to the Routing Wizard as part of its development and release process.

Whilst we at More4Apps have tried to maintain the same look and user interaction, some functionality has been modified. You can still use your current template worksheets in the new version. For information on these changes, please see below:

3.1 New Color Scheme

Version: 4.3.26

Date: 12/06/2019

More4Apps has implemented a new logo and color scheme. See below for an example:

Upload Results					Header															
Header Status	Cost Type Status	Operation Status	Resource Status	All Resource Status	Header Message	Routing Upload Mode	Inventory Org Code	Assembly	Assembly Description	Item Status	Alternate	Capable to Promise	Engineering Routing	Priority	Completion Subinventory	Completion Locator	Routing Comments	Common Routing	Common Routing Description	
Default Values					Update															
Accepted		Accepted	Accepted			Update	M1	SB34701	Base Assembly	Active	Primary	Yes	No							
Error		Validated	Validated		Cannot be	Update	M1	OC58102	Drive Option Class	Active	Primary	No	No		FGI			CN62441	Sentinel Base Model	
		Validated	Validated																	
		Validated	Validated																	
		Validated	Validated																	
		Validated	Validated																	
		Validated	Validated																	
		Validated	Validated																	
Accepted		Accepted	Accepted			Update	M1	MC08830	Plastic Housing - Gray	Active	Primary	Yes	No							
		Accepted	Accepted																	
		Accepted	Accepted																	
		Accepted	Accepted																	

No column names have been added or modified.

3.2 Stopped downloading Operations from unimplemented ECOs

Version: 4.3.21

Date: 14/05/2019

As like EBS the Routing Wizard now stops downloading Operations from unimplemented ECOs.

3.3 Download Flow Routings - but is not set up to Validate/Upload them

Version: 4.3.38

Date: 31/07/2019

Upload Results					Header								
Header Status	Cost Type Status	Operation Status	Resource Status	Alt Resource Status	Header Message	Routing Upload Mode	Inventory Org Code	Assembly	Assembly Description	Item Status	Alternate	Capable to Promise	Engineering Routing
Default Values					Update								
							M1	AS16105	Cosmic Hero II GAMEBX2	Active	Flow	No	No
							M1	SB55105	SW - Standard Set	Active	Flow	No	No

'Flow' routing can now download via 'Download using sheet data'.

3.4 Alternate is now Mandatory

Version: 4.3.23

Date: 27/05/2019

Inventory Org Code

Assembly ...

Description

Alternate

'Alternate' is now required.

2. Release 4.3.16 – 14/01/2019

The following includes details of the incremental fixes, functionality changes and or additions to the Routing Wizard as part of its development and release process.

Whilst we at More4Apps have tried to maintain the same look and user interaction, some functionality has been modified. You can still use your current template worksheets in the new version. For information on these changes please see below.

2.1 Functionality for Effective Dates - Now ALLOW PAST DATES profile option from the sheet

Version: 4.2.87

Date: 08-11-2018

Added functional security controls over uploading and downloading Budgets.
Two new profile options added:

- More4Apps: GLW Disable functional security preventing downloads to override download function security control
- More4Apps: GLW Disable functional security preventing uploads to override upload function security control

2.2 New Section - Resource Alternates

Version: 4.3.09

Date: 11-11-2018

Alternate Resources																			
Resource Mes	Alt Resource Upload Mode	Alt Resource	Alt Resource Description	Replacement Group	UOM	Alt Basis	Alt Usage	Alt Inverse Usage	Alt Schedule Sequence	Alt Substitute Group Number	Alt Assigned Units	Alt Schedule	Alt Offset	Alt Principal Flag	Alt Setup Type	Alt Activity	Alt Standard Rate	Alt Charge Type	Delete Alt Resource
	Update	DL-LBR1	Labor Resource - C	10	HR	Item	98	0.01020408	10	10	1	No	0	No			No	WIP move	

Added new section 'Resource Alternates. If this section is not required, this can be excluded from the sheet.
This section also supports Descriptive Flexfields.

Note - For this new section there is a required minimum version for the product packages.

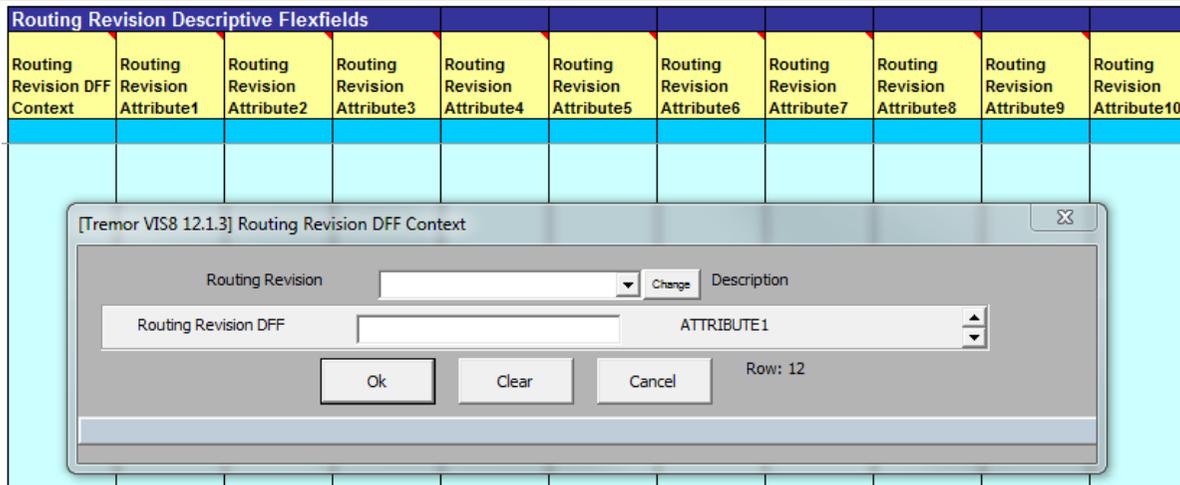
Spec 1.2.3 06-Nov-18 Body 1.3.6 06-Nov-18

1. Release 4.2.86 – 22/12/2017

The following includes details of the incremental fixes, functionality changes and or additions to the Routing Wizard as part of its development and release process.

Whilst we at More4Apps have tried to maintain the same look and user interaction, some functionality has been modified. You can still use your current template worksheets in the new version. For information on these changes please see below.

1.1 Attachment Sequence Numbers now will download in Ascending Order	
Version: 4.2.16	Date: 16/08/2016
1.2 Revision DFF fields have now been added to the Wizard	
Version: 4.2.23	Date: 17/10/2016



Revision DFF fields have been added to the Wizard.
 Attributes available for this functionality range from Attribute1 - Attribute 15

Note - These columns are not required so there should be no impact when removing or copying previous version templates to this Wizard.

1.3 Applied language patch to fix Oracle 12.2 framework update

Version: 4.2.57

Date: 12/05/2017

Applied language patch to fix Oracle 12.2 framework update. This Oracle update has stopped us from being able to select a language from the EBS browser login page.

If the wrong language value is defaulted into the drop-down box it is unable to be changed. Visually it may appear changed but it will not be respected by Oracle. Therefore logging in with the wrong language.

In order to fix this we now have the Wizard default the language based on the Oracle Preferences. Therefore the language for the user is now being set from user's EBS preferences irrespective of what is chosen on the browser Login page.



1.4 Exploder Functionality Added

Version: 4.2.72

Date: 01/12/2017

In the Download Form the “Explode” functionality has been added.

When the ‘Explode’ button is selected you explode a Bill of Material, providing a list of all the routings for the Assembly and all of its components (if they themselves have a Bill of Material). The number of levels downloaded is based on the Bill of Materials setup parameter: Max Bills Levels.

Before you can invoke an Exploded Download you must validate the item by clicking the ‘[...]’ button next to the Assembly. You cannot enter an Assembly To, however you can invoke all the other download criteria as per the standard download.

This functionality won’t have any impact on you the user if you were to move to this new version, this will only provide additional functionality.

1.5 Column Changes/Additions

This release has had the new Revision DFF columns added to the Wizard. These columns are used to handle the Descriptive Flexfields of Revisions in Oracle E-Business Suite. In the scenario that an old template is copied into the new version of the Wizard, these columns are not required so standard practice can be resumed.

However, if the Routing Revision DFF's are required then the 'Routing Revision DFF Context' column will be required.

Routing Revision Descriptive Flexfields															
Routing Revision DFF Context	Routing Revision Attribute1	Routing Revision Attribute2	Routing Revision Attribute3	Routing Revision Attribute4	Routing Revision Attribute5	Routing Revision Attribute6	Routing Revision Attribute7	Routing Revision Attribute8	Routing Revision Attribute9	Routing Revision Attribute10	Routing Revision Attribute11	Routing Revision Attribute12	Routing Revision Attribute13	Routing Revision Attribute14	Routing Revision Attribute15