EXTENSION REVIEW REPORT (Material Handling)

Extension name	
Reviewed by	
Approved by	
Completion date	
Results	
Jira epic link	

Note: Please comment on the reported tickets on Jira for any questions and concern

CONFIGURA

TABLE

1. INTRODUCTION

Configura's Extension Review was created to make sure our CET users have the best experience possible, regardless of the Extension they are using. The goal is to create a more uniformed experience across Extensions when it comes to common functionality when creating a drawing.

Partners should prepare their Extension based on these guidelines in this document and as if their Extension was ready to release before submitting for a review. Upon submitting your Extension for review, a Quality Assurance Analyst will review your Extension and give your Extension a green (pass), yellow (pass with issues) or red (fail) for the following categories:

- Installation and Smoke Test
- User Interface
- Usability Test
- System Test
- Performance Test
- Extension Settings

If you have Administrator access to your Jira project, see link below on how to add more users.
Link: Add users to your project

Have additional questions? Please see our FAQ for the Extension Review or contact your Configura Account Manager.
Having question on using/ migrating to new CET features? Use this link below for migration guides or help articles.

Link: Migration Guide Support Articles

Alternatively you can reach out to **devsupport@configura.com** for assistance.

Disclaimer: Product rules are not covered in this review.

2. INSTALLATION TEST AND SMOKE TEST

During this portion of the review, your Extension will be assessed for installation and for critical functionalities. When completing this test, it is based on a user running on Latest Windows Edition and that the Extension can be installed with other Application Extensions and Utility Extensions except for Catalogue Creator, CET Developer or QA Tools.

Your Extension will receive one of the following scores for this section:

Pass (Green):

- Extension passes all tests.

Pass with issues (Yellow):

- Crash detected by debug menu that is not easily reproducible.

Fail (Red):

- Extension fails any of the tests except LOD and Polygon Count issue.
  (Applicable for Pallet Racking).

ITEM #	CHECKLIST	RESULT	COMMENT
1	Installation of the Extension with the **latest** CET **core** version and **correct** CET **edition** should be successful.	☐ Passed ☐ Passed with issues ☐ Failed	

2	Catalogues download automatically. Snappers update automatically without needed to refresh.	☐ Passed ☐ Passed with issues ☐ Failed	
3	Visible icons when each toolbox is clicked on.	☐ Passed ☐ Passed with issues ☐ Failed	
4	When using debug menu (Ctr + Alt + F12), inserting snappers should not cause any crash.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	
5	Create a simple drawing, save, and reload drawing. Edit, save, and reload drawing again.	☐ Passed ☐ Passed with issues ☐ Failed	
6	Look for any obvious performance issue(s) for example slow to move an item, slow to pan or zoom in/out. Use model performance tool (QA Tools) to check if the models have Level of Details (LOD) and Polygon Count is within budget.	☐ Passed ☐ Passed with issues ☐ Failed	

INSTALLATION AND SMOKE TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions:

3. USER INTERFACE

During this portion of the review, your Extension will be assessed on its user interface. The goal of this test is to determine if your Extension is easy to understand and navigate.

Your Extension will receive one of the following scores for the User Interface section:

Pass (Green):

- Extension passes all tests.

Pass with issues (Yellow):

- The User Interface does not affect the user's ability to create a drawing.

Fail (Red):

- The icon does not represent the product.
- The User Interface is not easy to understand and affects the user's ability to create a drawing.
- The latest properties box is not used (Applicable to New Manufacturer Extension).

ITEM #	CHECKLIST	RESULT	COMMENT
1	Make sure product lines on tabs look organized. Tabs should look consistent throughout the extension. Filter should be available if there are too many products on one tab (more than 3 mouse scroll).	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
2	Link(s) to manufacturer information should be available at the top of the main manufacturer tab.	☐ Passed ☐ Passed with issues ☐ Failed	
3	Make sure the icon size is consistent. (as refer to MH Essentials)	☐ Passed ☐ Passed with issues ☐ Failed	
4	Make sure there is no horizontal scrollbar in the toolbox.	☐ Passed ☐ Passed with issues ☐ Failed	
5	Make sure the icons are aligned on the same row.	☐ Passed ☐ Passed with issues ☐ Failed	
6	Click on each toolbox and make sure the overall user interface looks good. For example, text size, icon size and button should be consistent. Overall branding makes sense: logos, text, etc.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
7	Tabs collapse when browsing items on component tab. Tabs collapse in Extension correctly.	☐ Passed ☐ Passed with issues ☐ Failed	
8	Tooltips and help texts should be readable.	☐ Passed ☐ Passed with issues ☐ Failed	
9	Animation properties and properties box: • New version property box (G2) is used. • Properties are understandable. • No property boxes flicker. • Properties do not overlap each other.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	

USER INTERFACE TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions:

4. USABILITY TEST

The purpose of usability test is to evaluate how easy to use and user-friendly an extension is and check if there are any noticeable issue(s) that block a user from creating a drawing. Quality Assurance Analyst will perform this test by creating a pallet racking or conveyor drawing.

This section will be scored by the following:
Pass (green):

- User can create a drawing in a fast and easy way.

Pass with issues (yellow):

- Issues with workaround.
- Refresh issues but F5 can be a workaround.
- Minor selection issues in 2D/3D view.
- Minor graphic issues in 2D/3D view unless it affects the creation of drawing.
- Minor property box issues that do not affect the creation of drawing.
- Minor animation properties issues that do not affect the creation of drawing.
- Minor snapping issues that do not affect the creation of drawing.
- Customer Own Material (COM) or apply finishes is not working.
- View modes does not work.
- Aisle or pallets are rendered wrongly.

Fail (red):

- Crashes for common user scenarios or easily reproducible crashes.
- Basic steps to create a drawing are not successful.
- Significant performance issues that affect the creation of drawing.
- Calculation and order export issues that will affect the bill of material or quotation (if applicable).
- The latest PropsScheme or Catalogue Driven Scheme manager is not used (Applicable to New Manufacturer Extension).
- Standard categories are not used and duplicated categories.
- Misalignment of elevation dimension and aisle dimension (if applicable).

ITEM #	CHECKLIST	RESULT	COMMENT
1	**Pallet Racking** • Place **racks** in different configurations: single or double (use template if available). • Modify the **pallet** type and insert direction. • Modify **upright** type if allowed. • Modify **beam** type if allowed. • Place **forklift aisle/tunnel** and insert/remove some pallets/insert beams. • **Copy configuration tools** should be available and easy to use. • Snapping of different **accessories** with different options to the rack with different rack system. • Snapping of racks to the next rack (allowed or not allowed). • Make sure all items in the component tab can be placed in drawing (depends on the product rules). • Stretching the rack vertically and horizontally works fine in 2D and 3D. • Property box and animation property should work correctly. • Rotated system should work the same as a top-down system.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	

ITEM #	CHECKLIST	RESULT	COMMENT
2	**Conveyor** • Stretching length and width of **conveyor** in 2D and 3D. • Property box and animation property can be changed. Note: Conveyor may have some options disabled under certain configuration • **Accessories** can be snapped/ unsnapped to the conveyor. • Disconnect/connect the conveyors. • It must be aligned properly in a straight line when placed.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	
3	**HVAC (Heating, Ventilation, and Air Conditioning)** • Check that customer information can be retrieved. • Check product selector is working and graphic is changed when products are selected. • Ensure the duct can be inserted. In both vertical and horizontal directions. • Ensure that fan can be connected to the open end of duct. Fan number is shown in 2D. • Check that diagram of the fan can be inserted. • Select fan model and ensure diagram is updated. • Check that other fans can be connected, diagram can be inserted, and diagram updated. • Check inserts, move and deletion of T-junction. • Ensure T-junction can slide along the pipe. • Ensure that pipe should stretch when dragged.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	

4	**Systems Configuration** *Note: Scheme might **not** be **available** for material handling.* • Compare **Pre Configurator** with **Essential Pallet Racking** and **Essential Shelving**. The interface should look similar. • Make changes, apply **configurations** to systems. • Pre configurator's **settings** and **preview** window is reflected correctly. • Create new configuration and rename, apply settings to systems. • Apply all finishes either from **scheme manager (if applicable)** or property box so there are no undecided options and no incomplete specs. • Check materials are using **PBR Materials**. Try with rendering.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	
5	**Elevation view** • Create **Elevation** using the Elevation view tool from extension. • Generate any **pallet rack** or **conveyor elevations** if available. • Change **visibility settings** on elevation. • Make changes to the drawing and **update** the **elevation** view again.	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not Supported	

ITEM #	CHECKLIST	RESULT	COMMENT
6	**Visibility** • Check that the **default categories** are assigned to all symbols. • Apply different category to symbols. • View the drawings or products in different **view modes** (Normal, Loaded, Unloaded, TAGS, view all). • Test content filter.	☐ Passed ☐ Passed with issues ☐ Failed	
7	**Main Manufacturer tab/General Tools** Check the recommended features/tools below are available. • **Contact Support Link** • **Picklist** • **Project Information** • **Validate drawing**	☐ Passed ☐ Passed with issues ☐ Failed	
8	**Render Drawing** • Save rendering as a .jpeg. • Render in different **preset modes** (Realistic, Product lighting, Contour, etc.). Ensure texture looks correct. • Try with **transparent** material and customer own material (if any). • Try with forklift aisle or remove some pallets and render again.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
9	**Calculation/Article View** Note: Bill of material might not be available for conveyor system. • Make sure **Extension specific column** or **registered article view** is available (if any). • Make sure order export works (their own format).	☐ Passed ☐ Passed with issues ☐ Failed ☐ Not supported	
10	**Approval Drawing** • Use Auto paper if available. • Insert 2D view clips of different view modes. • Test with view clip tools and add-on tools in paperview. • Check **visibility settings**/**filter** in paperview.	☐ Passed ☐ Passed with issues ☐ Failed	

USABILITY TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions:

5. SYSTEM TEST

During the System Test, your Extension will be assessed on the integration between your Extension and CET core functionalities.

This test will be scored on the following criteria:

Pass (green):

- All tests are passed without major issues.

Pass with issues (yellow):

- Issues with workaround.
- The Extension does not work well with multilevel.
- Copying over symbol on single select will select all connected symbols.
- The non-working function is not used by this extension user.

Fail (red):

- Crashes for common user scenarios or easily reproducible crashes.
- Does not support Associative Dimension.

ITEM #	CHECKLIST	RESULT	COMMENT
1	**Component tabs** • Manufacturer tabs are generated automatically in component tab configurator and show up if creating own component tab configuration. • Able to pin tabs on Extension.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
2	**Shortcut keys** (Copy paste, undo redo, move) • Test copy paste with **A** command**, Ctrl+C and Ctrl+V** command and **Ctrl+Shift+C** command. • Use **Ctrl+Z** and **Ctrl+Y** to undo redo. • Use **page up/down and arrow key** to move the individual symbol or grouped symbols.	☐ Passed ☐ Passed with issues ☐ Failed	
3	**Single select and group select** • Make sure **single/group select** work as intended. Check that single and group objects copy over correctly. • **Rectangular** select • **Lasso** select • **Ctrl + Right click** to select single object from connected and overlapping objects.	☐ Passed ☐ Passed with issues ☐ Failed	
4.	**Multiple drawing** • Turn on multiple drawing function. Check that you can work with multiple drawings at once.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
5	**Alternatives** • Create alternatives and make changes in different alternatives.	☐ Passed ☐ Passed with issues ☐ Failed	
6	**Favorite** • Save as Favorites. • Load saved Favorites from above step and Usability Test.	☐ Passed ☐ Passed with issues ☐ Failed	
7	**Multilevel** • Create Multi floor. Check to place Symbols on different floors. • Check that symbols can be moved to different floors. • Apply different operation on different floor, for example apply finishes.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
8	**Part tagging** • Apply part tagging. (tag individually, tagging rectangle, custom shape tag) **Note:** check the default individual tag. • Check that tags are visible in calculation (if applicable). • Test Manufacturer Part Tagging with part tags.	☐ Passed ☐ Passed with issues ☐ Failed	
9	**Freeze** • Freeze and unfreeze the symbols.	☐ Passed ☐ Passed with issues ☐ Failed	
10	**Edit graphic** • Use Edit Graphics on symbols.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
11	**Arrange/Group/Lock** • Test **grouping, locking, align/distribute, and replicate tools** in Arrange menu. • Check replicating symbols using all three replicate tools (Polar, Linear, Rectangle) in Tools tab.	☐ Passed ☐ Passed with issues ☐ Failed	
12	**Calculation** • Briefly check product information in calculation dialog (if applicable). • Edit the descriptions, quantity, and prices in calculation dialog. • Check clicking on the "X" on the edited field will return it to original state. • Check that you can create article view consisting of selected products using **lasso calculation**.	☐ Passed ☐ Passed with issues ☐ Failed	
13	**Project information** • Check to enter project information from Tools Menu. • Check the tree structure of **project variables** when choosing a field variable for a data field. Each manufacturer should have their own tree structure. • Check that the project info is shown on data field inserted in a paper view. • Check to save and reload the saved project info.	☐ Passed ☐ Passed with issues ☐ Failed	

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ITEM #	CHECKLIST	RESULT	COMMENT
14	**Bound feature snapping** • Make sure 2D tools like dimension, helpline and 2D lines can snap to your product in 2D view. • Make sure **Associative Dimensions** is working with racking and conveyor.	☐ Passed ☐ Passed with issues ☐ Failed	
15	**Block** • Create several blocks for different product groups. • Copy paste the block • Double click to enter edit block mode. Edit the properties of the block. • Explode block • Delete block • Try to undo and redo with block operation *Note: Test racking system only.* *Block is not common for conveyor system.*	☐ Passed ☐ Passed with issues ☐ Failed	

SYSTEM TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions:

6. PERFORMANCE TEST

The performance test will review the speed of your Extension when starting up, drawing, changing finishes etc.

This test will be scored on the following criteria:

Pass (green):

- Drawings can be created or modified without performance issues.

Pass with issues (yellow):

- Slow start-up speed.
- Drawings can be created or modified with minor performance issues.

Fail (red):

- Noticeable performance issues when placing objects, making changes and when saving or loading drawings.

ITEM #	CHECKLIST	RESULT	COMMENT
1	Start-up (non-clean) (System & Extension) Building (non-clean). Start-up (clean start) (System & Extension). First place symbol (Non-clean and after clean start).	☐ Passed ☐ Passed with issues ☐ Failed	
2	Load favorite. Save as favorite.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
3	Freeze. Unfreeze.	☐ Passed ☐ Passed with issues ☐ Failed	
4	Replicate. Save drawing. Load drawing. Create alternatives. File size.	☐ Passed ☐ Passed with issues ☐ Failed	
5	Show Unit Load Configurator. Change Load Unit. Undo changing load unit. Redo changing load unit.	☐ Passed ☐ Passed with issues ☐ Failed	
6	Copy/paste symbols using "A" command. Copy/paste symbols using Shortcuts.	☐ Passed ☐ Passed with issues ☐ Failed	
7	Disconnect Reconnect	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
8	Change width/height/depth animation for a symbol. Undo after changing (for a favorite). Redo.	☐ Passed ☐ Passed with issues ☐ Failed	
9	Create a block. Explode one block. Explode 100 block. Undo after exploding 100blocks. Redo. **Note:** Test racking system only. Block is not common for conveyor system.	☐ Passed ☐ Passed with issues ☐ Failed	
10	Print Report.	☐ Passed ☐ Passed with issues ☐ Failed	
11	Switch between active levels.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
12	Toggle level visibility.	☐ Passed ☐ Passed with issues ☐ Failed	
13	Close CET.	☐ Passed ☐ Passed with issues ☐ Failed	

PERFORMANCE TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions:

7. EXTENSION SETTINGS

During this portion of the review, your Extension's information in MyConfigura's Extension Settings page will be assessed.

This test will be scored on the following criteria:

Pass (green):

- Pass all tests

Pass with issues (yellow):

- Missing information about manufacturer's approval for extension download.

Fail (red):

- Missing icon/logo.
- Description of Extension is not clear.
- Missing Category.
- Support Contact information is unclear.

ITEM #	CHECKLIST	RESULT	COMMENT
1	Make sure the **Information** of the Extension is brief and clear to the user. It should give an overview of the Extension or the products available in the Extension.	☐ Passed ☐ Passed with issues ☐ Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
2	Make sure the **icon/logo** is clear.	☐ Passed ☐ Passed with issues ☐ Failed	
3	Make sure the proper **category** has been assigned to this Extension.	☐ Passed ☐ Passed with issues ☐ Failed	
4	Make sure manufacturer **Support Contact Information** are added and relevant fields are filled. Note: The country calling code should be added if the contact number is available. *(For Support Contact only)* *Configura Basic Support is selected by default.	☐ Passed ☐ Passed with issues ☐ Failed	
5	**Price** is set as "Free" by default. Note: Option to set price for extension has been removed.	☐ Passed ☐ Passed with issues ☐ Failed	
6	Explanation of **manufacturer's approval** to download extension for new user. Note: Recommend to enabled for Free extension.	☐ Passed ☐ Passed with issues ☐ Failed	
7	Make sure there is **No Duplicated** (obsolete) extension available in the Marketplace.	☐ Passed ☐ Passed with issues ☐ Failed	
8	Make sure **First invoice** for publishing has been sent and paid.	☐ Passed ☐ Passed with issues ☐ Failed	

EXTENSION SETTINGS TEST RESULTS:

☐ **Pass**

☐ **Pass with issues**

☐ **Fail**

Good:

Items to improve:

Suggestions: