

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

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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
- Marketplace

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**](mailto: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.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

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

ITEM #	CHECKLIST	RESULT	COMMENT
2	Link(s) to manufacturer information should be available at the top of the main manufacturer tab.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
3	Make sure the icon size is consistent. (as refer to MH Essentials)	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
4	Make sure there is no horizontal scrollbar in the toolbox.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
5	Make sure the icons are aligned on the same row.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> 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.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
7	Tabs collapse when browsing items on component tab. Tabs collapse in Extension correctly.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
8	Tooltips and help texts should be readable.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
9	Animation properties and properties box: <ul style="list-style-type: none"> • New version property box is used. • Properties are understandable. • No property boxes flicker. • Properties do not overlap each other. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed <input type="checkbox"/> 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	<p>Pallet Racking</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
2	<p>Conveyor</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
3	<p>HVAC (Heating, Ventilation, and Air Conditioning)</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

4	<p>Apply Finishes</p> <p><i>Note:</i></p> <ul style="list-style-type: none"> • Scheme might not be available for conveyor system. • Might use Pre-Configurator instead of Scheme manager. <ul style="list-style-type: none"> • Compare Scheme manager with PropsScheme or Catalogue Driven Scheme. Refer FIKA, wall settings. The interface should look similar. Apply any existing scheme. • Create new scheme and rename, apply finishes to all known items, apply to all, selected group or tagged. • Apply all finishes either from scheme manager or property box so there are no undecided options and no incomplete specs. • Check that proper category name is assigned to their materials in Material Explorer (if any). • Use COM's on scheme manager or on catalogue symbols. • Check materials are using PBR Materials. Try with rendering. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed <input type="checkbox"/> Not supported	
5	<p>Elevation view</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
6	<p>Visibility</p> <ul style="list-style-type: none"> • 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 Ind. Tags: locking and unlocking, moving, changing in styles, showing up on view modes. • Check categories are assigned to Ind. Tags. • Test content filter. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
7	<p>Main Manufacturer tab/General Tools</p> <p>Check the recommended features/tools below are available.</p> <ul style="list-style-type: none"> • Contact Support Link • Picklist • Project Information • Validate drawing 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
8	<p>Render Drawing</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
9	<p>Calculation/Article View Note: Bill of material might not be available for conveyor system.</p> <ul style="list-style-type: none"> • Make sure Extension specific column or registered article view is available (if any). • Make sure order export works (their own format). 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
10	<p>Approval Drawing</p> <ul style="list-style-type: none"> • Use Auto paper if available. • Insert 2D view clips of different view modes. • Test with companion tools and paperview. • Check visibility settings/filter in paperview. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> 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 <ul style="list-style-type: none">• Manufacturer tabs are generated automatically in component tab configurator and show up if creating own component tab configuration.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
	<ul style="list-style-type: none"> • Able to pin tabs on Extension. 		
2	<p>Shortcut keys (Copy paste, undo redo, move)</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
3	<p>Single select and group select</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
4.	<p>Multiple drawing</p> <ul style="list-style-type: none"> • Turn on multiple drawing function. Check that you can work with multiple drawings at once. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
5	Alternatives <ul style="list-style-type: none"> • Create alternatives and make changes in different alternatives. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
6	Favorite <ul style="list-style-type: none"> • Save as Favorites. • Load saved Favorites from above step and Usability Test. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
7	Multilevel <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
8	<p>Part tagging & Reconfiguration</p> <ul style="list-style-type: none"> 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 & Reconfiguration Tool with part tags. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
9	<p>Freeze</p> <ul style="list-style-type: none"> Freeze and unfreeze the symbols. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
10	<p>Edit graphic</p> <ul style="list-style-type: none"> Use Edit Graphics on symbols. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
11	<p>Arrange/Group/Lock</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
12	<p>Calculation</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
13	<p>Project information</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
14	<p>Bound feature snapping</p> <ul style="list-style-type: none"> • 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. 	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
15	<p>Block</p> <ul style="list-style-type: none"> • 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 <p><i>Note: Test racking system only. Block is not common for conveyor system.</i></p>	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> 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).	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
2	Load favorite. Save as favorite.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

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

ITEM #	CHECKLIST	RESULT	COMMENT
8	Change width/height/depth animation for a symbol. Undo after changing (for a favorite). Redo.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> 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.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
10	Print Report.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
11	Switch between active levels.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
12	Toggle level visibility.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
13	Close CET.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

PERFORMANCE TEST RESULTS:

Pass

Pass with issues

Fail

Good:

Items to improve:

Suggestions:

7. MARKETPLACE

During this portion of the review, your Extension's content for the Marketplace 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 description 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.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

ITEM #	CHECKLIST	RESULT	COMMENT
2	Make sure the icon/logo is clear.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
3	Make sure the proper category has been assigned to this Extension.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
4	Make sure all relevant fields are filled if optional Support Contact is added. Note: The country calling code should be added if the contact number is available. <i>(For Support Contact only)</i> *Test pass if only Basic or Superior Support is used.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
5	Price is set as "Free" by default. Note: Option to set price for extension has been removed.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
6	Explanation of manufacturer's approval to download extension for new user. Note: Recommend to enabled for Free extension.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	
7	Make sure there is No Duplicated (obsolete) extension available in the Marketplace.	<input type="checkbox"/> Passed <input type="checkbox"/> Passed with issues <input type="checkbox"/> Failed	

MARKETPLACE TEST RESULTS:

Pass

Pass with issues

Fail

Good:

Items to improve:

Suggestions: