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Allegro®X System Capture Known Problems and Solutions

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Known Problems and Solutions in Allegro System Capture Release 23.1

This document lists the issues and limitations of *Allegro System Capture* known at the time of publishing of this document. The list is updated when new issues arise or existing issues are resolved.

CCMPR02848782: Relative Propagation constraints are shown on the wrong member net in extracted Diff Pair topology.

Description: When the topology is extracted for a diff pair where one of the members is part of a match group that has `AD:AR` constraints, the `AD:AR` constraints are shown on the other member.

Workaround: None. Topology Workbench does not differentiate between the members of a diff pair. Which member has the constraints does not affect the ECSet.

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Known Problems and Solutions in Older Allegro System Capture Releases

CCMPR02741847: The design is automatically upgraded when opening it from the web dashboard

Description: A design opened from the web dashboard in the current release is automatically upgraded to the next higher version, making it accessible only to the System Capture clients running 17.4 HotFix 036 or 22.1 HotFix 003.

Workaround: Choose one of the following options:

- To work with designs on systems with HotFixes lower than 17.4 HotFix 036 or 22.1 HotFix 003, avoid accessing the designs from the web dashboard.
- Upgrade the System Capture clients to version 17.4 HotFix 036, 22.1 HotFix 003, or higher.

CCMPR02695439: LiveBOM not updated

Description: When connected to a Pulse primary node running on a version lower than 17.4 HotFix 036 or 22.1 HotFix 003, LiveBOM is not updated on saving a design if the *Create version on Pulse on every save* option is deselected in the *Design Management Preferences* dialog box.

Solution: Choose one of the following options:

- Commit the design or enable the *Create version on Pulse on every save* option to update the LiveBOM data.

Contact the Pulse administrator to upgrade the Pulse primary node to version 17.4 HotFix 036, 22.1 HotFix 003, or higher.

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CCMPR02538853: Spacing issues for some characters when using the Arial font

Description: With the Arial font the text appears squeezed whenever the letter `M` is followed by an `I` or `U`. This is because of the underlying framework.

Workaround: To avoid this problem, use fixed width fonts, such as Consolas or Courier New for text that is displayed on the canvas.

CCMPR02528609: Internal net IDs are shown in Audit Violation messages

Description: The Violation window always shows the sPath of the violating objects in System Capture. This applies to the audit messages too.

Workaround: None

CCMPR02488761: Tabs and Buttons not scaling proportionately on Native display on Suse12 and RHEL8.1 machines

Description: Tabs and Buttons might not scale proportionately on Native display on Suse12 and RH8.1 machines

Workaround: Disable the HIGH DPI support by setting the following environment variable:

```
CDS_CP_DISABLE_HIGH_DPI
```

This will ensure the display of the tabs across file types remains consistent.

CCMPR02336493: Property names with space in name results in error

Description: If a property name has space in its name, the *Violation* window shows an error when synchronizing design parts with source.

Workaround: Use an underscore (_) instead of space in property names.

CCMPR02313796: OrCAD Capture parts with long part names are not imported

Description: Long part names are not supported in System Capture and hence not imported when importing OrCAD Capture parts to Unified Library.

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Workaround: To fix this issue, reduce the part name length in OrCAD Capture and import the parts again.

CCMPR02344159: Reimport option remains available after importing from source in preserve mode despite a change in the source

Description: Assume a block has three symbols and the third symbol is marked as preserve. Now if the symbol gets deleted from the source, reimport is still available and there is no change to the existing symbol in the destination.

Workaround: None.

CCMPR02358974: Disconnections seen upon import when the net name in Capture design had trailing spaces that were stripped during import

Description: Trailing spaces are not supported in System Capture and these are not handled properly in import.

Workaround: To correct, remove the spaces in the source OrCAD Capture design and import again or reconnect nets in System Capture after importing the design.

CCMPR02235613: Incorrect connectivity in imported design when SWAP_INFO property is applied

Description: The `SWAP_INFO` property is not supported in System Capture so any such swapping is lost.

Workaround: None

CCMPR02345648: Different invalid refdes patterns are not handled for page-level team design

Description: If the RefDes pattern syntax is not correct, reference designators based on default numbering will be used.

Workaround: None

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CCMPR01822333: Convert to cache fails for some designs

Description: When a design is converted to a cached project using the `convertToCache` Tcl command, the process stops at the verification of design parts step or System Capture stops working.

Workaround: A possible cause for this might that there are extra space characters in one or more entries in the `cds.lib` files. Check the `cds.lib` files and remove the extra space characters, which might be at the end of each line.

CCMPR01971679: Part Manager does not detect changed images for symbols

Description: When comparing symbol images, if image file name remains same and the content changes, Part Manager cannot detect the change.

Workaround: None

CCMPR01975708: Import sheet stops if user copies anything to system clipboard during the process

Description: When importing sheets from another System Capture design, if anything is copied to the system clipboard, such as copying text in any another application, the import sheet process stops and the copied text is shown with the cursor for placing on canvas.

Workaround: None. This limitation exists because System Capture using same clipboard buffer.

CCMPR01540775: Packaging errors result when the default range is used to assign reference designator to the block being added

Description: Add a new block. In the *Packaging Options for Block (new_block) in design (new_design)* form that opens, observe that the default values in the *Use Range* field under the *Assign Reference Designators* section is *1-3*, even though this range is already used up in the design. Adding a block with this range value leads to packaging errors. There is no way to determine what range to start from.

Reason: The default start range seeded in the *Use Range* field is the highest range end already used in the design. However, in the following two scenarios, the highest range end might not be the highest reference designator used in the design:

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1. If a block added in the optimized mode uses a refdes higher than the range end of the previous block
2. The top-level block contains a primitive which is assigned a refdes higher than the range end

Workaround: None.

CCMPR01885349: Renaming a copied subsystem retains the original name

Description: When you copy a block and rename it, the *Edit Subsystem* dialog command continues to show the original name.

Workaround: None. This issue does not impact design intent and functionality.

CCMPR01907322: Instance name is shown in Manage Subsystem instead of RefDes for primitive components

Description: When a primitive component is placed on the canvas, the instance name is shown in the Manage Subsystem window and not the RefDes.

Workaround: None.

CCMPR01790391: Renamed PortGroup RefDes not reported by Reimport Block in System Level Design

Description: If you change the name of a RefDes in a block after it is imported into another design, the changed name is not reported. For example:

1. Add a logical board to a project.
2. Add the connections to other components.
3. In the source design rename a connector RefDes, assume J100 to J1.
4. Reimport this source design back into the project.
5. Click *Resolve* on the ECO message.

   Design Difference reports the rename.
6. Click *Update All*.

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7. Right-click the block and choose *Edit Subsystem*.

   A message prompts you to update but there is no indication the J100 was renamed to J1.

Workaround: None

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