

# **OrCAD Capture CIS: What's New**

**Product Version 16.6**  
**October 2012**

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## OrCAD Capture CIS: What's New

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# What's New in OrCAD Capture CIS 16.6

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This chapter contains the following sections describing the OrCAD Capture CIS 16.6 (henceforth referred as Capture CIS) release.

- New Features and Enhancements on page 6
- Fixed CCRs on page 9

## New Features and Enhancements

Capture CIS 16.6 brings you the following new features and enhancements:

- [Configuring Menus and Toolbars](#) on page 6
- [Full RefDes support](#) on page 6
- [Multivalue Support](#) on page 7
- [Performance Enhancements](#) on page 7
- [Linking Part Occurrence](#) on page 7
- [Linking External Design Parts](#) on page 7

### Configuring Menus and Toolbars

You can now customize the menus and toolbars in OrCAD Capture CIS. As a result, any TCL methods that you want to be able to run from the menus is possible. You can also specify your own icons for the menus or toolbar items. The resource files for menus and toolbars including the icons are located at:

`<Cadence_installation>\share\orResources`

You can add menus through XML files where you specify:

- the menu label
- name of TCL method to be called on menu click
- location of the menu in existing menu items
- TCL method to enable and grey out the menu item
- an optional icon

You can also add dynamic menu items using TCL code.

**Note:** The pop-up menus cannot be customized.

### Full RefDes support

In 16.6 OrCAD Capture and OrCAD Capture CIS handle references and designators in the same manner. As a result, both the tool handle RefDes values similarly.

## OrCAD Capture CIS: What's New

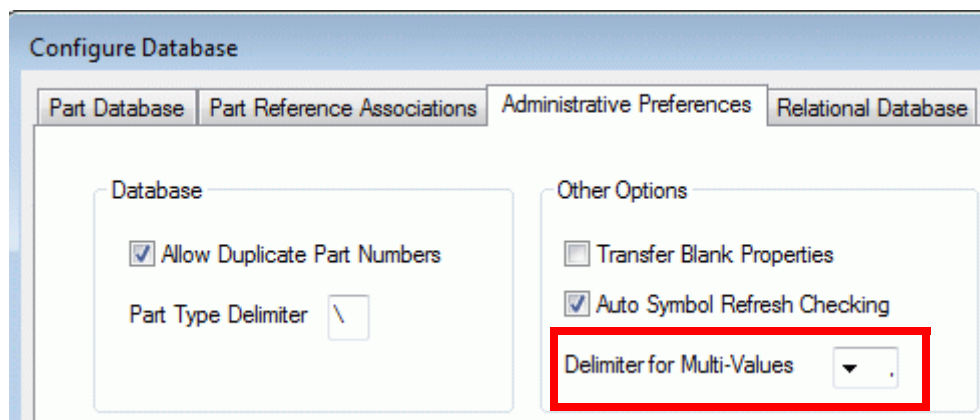
### What's New in OrCAD Capture CIS 16.6

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You will now see similar references in all reports generated from the two tools. In addition, CIS will not delete leading zeros if they are part of a RefDes.

## Multivalue Support

You can now set any field as multivalued. To set a field as multivalued, launch the CIS Configuration File (*Options – CIS Configuration*) and click *Setup* to display the Database dialog box.



You can select a delimiter value from the *Delimiter for Multi-Values* list in the Administrative Preferences tab. You can specify values separated by the specified delimiter in a multivalued field.

## Performance Enhancements

Performance has been enhanced in the invocation of Part Manager and CIS BOM and SWL Query optimizations.

## Linking Part Occurrence

You can now link part occurrences at group and subgroup level.

## Linking External Design Parts

You can now link parts of external design at the group or subgroup level. The external parts are linked at the occurrence level within the currently active design.

## OrCAD Capture CIS: What's New

### What's New in OrCAD Capture CIS 16.6

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You can also link parts at instance level by choosing the *Link Instance* option from the pop-up menu if there is only one hierarchical block of the external design schematic in the active design.



## Fixed CCRs

The following lists the problems reported and fixed in Capture CIS 16.6. For detailed information about a fixed problem, contact your customer support.

CCR ID	Description
15280	Multi valued cells from other columns in CIS
70237	leading zeros in CIS Part Manager deleted
151466	Need a option to define more than one pspice model in CIS
166156	Part Reference is truncated in CIS BOM ,exported to EXCEL
188124	Part Manager & BOM deletes the zero in the Ref Des
214027	Multiple values of Implementation be supported in CIS Explor
214262	Permit specifying multiple datasheets in place DB part
232066	CIS BOM strips off the refdes from the - sign
280531	CIS BOM removes the 0 from refdes X0
297614	Refdes terminating abnormally in Part Manager and CIS BOM
334450	Ability to have drop down for other columns in CIS.
370024	Multi valued cells from other columns in CIS(datasheets too)
417511	Multi valued cells from other columns in CIS(datasheets too)
423363	Part Reference is truncated in CIS BOM ,exported to EXCEL
535051	refdes in CIS BOM got reset to C_
657611	Enhancement : Ability to add alternate PSpice Models in CIS database
718954	CIS BOM and capture bom should show same results

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CCR ID	Description
755660	alternate PSpice Models in CIS database
765647	Part manager does not accepts the reference names having a mix of letters and numbers.
841654	The RefDes get truncated while exporting CIS BoM to Excel.
855425	ENH: Ability to "link database part" for externally referenced designs
866168	ENH:Capture must execute the CIS query without editing any of the fields
869395	Enhancement: Allow CIS related operations for schematic inside library
871136	Ability to change 3D footprint view unit
878340	TCL:Library location while saving the ICA part
882384	Refdes is getting truncated in part manager if it is alphanumeric or contains hyphen in it.
884935	Database column names enclosed in double quotes
887219	Part information on page not updated to Part Manager's Group
889378	Enhancement: Option to get drop down list for Datasheet in CIS explorer.
890277	Link or Update database part gives "Could not read part information XXX" message
892098	Part Manager->Update Selected Parts Status should query only one time to database for unique parts
902677	Bezier curve in part graphics doesn't appear in CIS explorer window.
917498	Ability to select the custom query once user has re-invoked CIS.
923271	CIS BOM report should export part number for "Do Not Stuff" part also.
925144	Same symbol generated different RefDes in BOM file which from Tools and Reports function

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CCR ID	Description
930981	ENH: CIS must remember the library in which ICA part are saved and poin to same library next time
932258	TCL:Verify Part Against (OLB) Libraries' does not detect the path change of the part while verifying the part status.
947275	Green sign indicate a variant part doesn't appear part manager in hierarchal design
956370	Enh: Ability to have multiple datasheets associated with same part in database.
959466	ENH: More than one DataSheet availability on DS Field
959861	Enhancement: "Link Database part" message enhance request
961838	Variant Status doesn't show a green check mark on linking part with multiple occurrence to database in complex hierarchy
985826	ENH: Feature to link part of an externally referenced design from part manager
987539	ENH: Export Part Number of not stuffed parts to CIS BOM
988037	ENH: Flexibility to change unit of measurement in footprint viewer
1004543	Need new functions for CaptureCIS
1033689	ENH: Feature to link part of an externally referenced design from Part Manager

**OrCAD Capture CIS: What's New**  
What's New in OrCAD Capture CIS 16.6

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## What's New in OrCAD Capture CIS 16.5

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This chapter contains the following sections describing the OrCAD Capture CIS 16.5 (henceforth referred as Capture CIS) release.

- New Features and Enhancements on page 14
- Fixed CCRs on page 15

## New Features and Enhancements

Capture CIS 16.5 brings you the following new features and enhancements:

- [CIS.INI Settings](#) on page 14
- [Partial Design Simulation](#) on page 14

### CIS.INI Settings

While the Capture INI settings are always dynamic, the CIS settings are more or less static and usually do not change after the initial CIS database related setup. You may often need to clear out and reinitialize your Capture INI settings but may still want to retain the CIS settings. To allow this, OrCAD 16.5 now retains the CIS INI settings in a separate back-up file. This file retains the CIS INI settings that Capture will retrieve when it re-initializes the Capture INI settings.

### Partial Design Simulation

The 16.5 release comes with the productivity enhancing feature of partial design simulation. You can now identify individual components of any design, and, using the partial design simulation feature, simulate only selected portions. Using this feature, you can simulate different circuits in the design with different simulation profiles. You can also netlist only a particular portion of the design. In addition, you can compare and merge portions of a design quickly.

**Note:** This feature is available only with OrCAD Capture CIS.

To use this feature, you select a portion called test bench of a master design. You create one or more test benches using the *Tools–Test Bench – Create Test Bench* menu of OrCAD Capture. The test benches are listed in the Project Manager window of the master design. You can add components from the design to a test bench by selecting them from the master schematic canvas, and then add profiles and simulate the test bench. You can also synchronize the master design with a test bench, to propagate any changes you make in the test bench design.

**Note:** For more information, see the *Using Partial Design Simulation* section in the *Designing for other EDA applications* chapter of the *OrCAD Capture User Guide*.

## Fixed CCRs

The following lists the problems reported and fixed in Capture CIS 16.5. For detailed information about a fixed problem, contact your customer support.

CCR ID	Description
739272	Incorrect CIS Query
744033	H-part parts are not shown by "Part Manager"
748982	Respective pin number from schematic does not get highlighted on 3-D footprint viewer.
753962	Value property is not being displayed while placing part from CIS Explorer in SPB163
762886	Shortcut Key to "place database part" is Z
768716	OrCAD Part Location Report
797793	Value property is not being displayed while placing part from CIS Explorer in SPB163
840687	Eenable undo to work after AMS simulation is run

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