

Datacenter Clarity LC Release Notes

Version 2.3

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Introduction

This document describes the following:

- New features introduced in Datacenter Clarity LC version 2.3
- Enhancements made to Datacenter Clarity LC.
- Known software issues that have been resolved in this release.

What's New in 2.3

Dashboard Builder

Datacenter Clarity LC web client now has a new module: **Dashboard Builder**. Using the **Dashboard Builder** module, you can create customized single or multi-asset dashboards that you can view in the **Dashboard Navigator** module.

In the **Dashboard Builder** module, you can create the following dashboard widgets for a custom dashboard:

- Text displays text and images in a text pane.
- Graph displays real-time and asynchronous attribute data in a trend chart format.
- Real-time Table displays real-time attribute values in a table format.

For more information, see **Dashboard Builder** in the web client help files.

Electrical Layout

Datacenter Clarity LC web client now has a new module: **Electrical Layout**. In the **Electrical Layout**, you can display a two-dimensional diagram that represents the chain of electrical connections in your 3D model. The electrical diagram lets you identify the power and current capacity across the model.

For more information, see **Electrical Layout** in the web client help files.

Report Management

Datacenter Clarity LC web client now has a new module: **Report Management**. **Report Management** provides standard report definitions that you can use to generate and manage asset reports for your datacenter. You can also download the report to an Excel spreadsheet.

For more information, see **Report Management** in the web client help files.

Access management and user permission enhancements

- Only database administrators have access to the **Local Users** module from which they manage Datacenter Clarity LC web client's users and roles.
- You can now grant user permissions for all web client modules from the **Access Management** module.
- In the **Local Users** module, you can change the Teamcenter super user. This user has access management administrator permissions and access to ACL permissions.
- In previous versions, the **Local Users** module was named the **Users & Roles** module.

- The user interface of the **Access Management** module is improved.

For more information, see Access Management and Local Users in the web client help files.

Automatic generation of reports in the Asset Management Environment

The automatic reports service can now generate reports for assets modified or created in the last day, week, month, or year directly in the Asset Management Environment.

After the software generates the report and saves it in the specified folder, you receive an email in your Datacenter Clarity LC Worklist mailbox.

For more information, see **Automatic reporting** in the web client help files.

Non-standard rack support

Datacenter Clarity LC supports non-standard racks. You can configure the height of the 1U using the ASSET RACK ONE U SPACE HEIGHT attribute in the EMIP library.

Additional in-rack PDU placement methods

Datacenter Clarity LC supports additional in-rack PDU placement methods. When you place in-rack PDUs on a rack wall, you can now place them in the following positions:

- On the left or right of the front of the rack.
- Two side-by-side positions on the left or right of the back of the rack.

For more information, see **Create/Edit Asset** in the Datacenter Clarity LC User Reference help files.

Allowing modification of port type/category for modular/pluggable devices

You can now change the port type/category as long as the port type follows these patterns: "SFP/****", "SFP+/****", "XFP/****", "GBIC/****".

You can now plug in a new module to an existing server and select the port type and category after you created this server in Datacenter Clarity LC.

For more information, see:

- **Network Ports Manager** in the 3D Modeling Environment section of the Datacenter Clarity LC User Reference help files.
- **Create/Edit Port** in the Asset Management Environment section of the Datacenter Clarity LC User Reference help files.

Additional attributes supported by attribute configurations

You can override the following attributes through attribute configurations:

- ASSET APPARENT POWER
- ASSET COOLING CAPACITY
- ASSET CURRENT NUMBER OF PHASES
- ASSET CURRENT TYPE
- ASSET DE-RATED CURRENT
- ASSET EFFICIENCY
- ASSET MAX CURRENT
- ASSET POWER FACTOR
- ASSET VENDOR DE-RATED POWER
- ASSET VENDOR MAX POWER
- ASSET VOLTAGE

Advanced search improvements

The following advanced search improvements are introduced in the web client:

- The list of available Datacenter Clarity LC filters is now related to the module you are searching in. For example, in the Dashboard Builder module, when you use the Advanced search the filter options are applicable to dashboards, such as dashboard name, author, creation date, and ID.
- You can create custom filters combining saved search queries.
- More pre-defined filters are added to the list of Datacenter Clarity LC filters.

For more information, see Searching Datacenter Clarity LC web client.

EMIP entry validation

Datacenter Clarity LC now validates EMIP entries as you create them.

Enhancements

DCSCS-453: Patch panel network port type default creation to be LCD instead of LC.

Datacenter Clarity LC now uses LCD (Lucent Connector Duplex) as the default port type for all in-rack assets and connections to patch panels.

DCSCS-473: Addition Ports needed

The following port types have been added to Datacenter Clarity LC:

- Emily (Copper)
- RP-BUS (Copper)

DCSCS-278: Network cable mgt related reports for batch renaming

To help you manage changes to the port names, Datacenter Clarity LC provides the **Clarity Asset Related Ports** report in both the web client and Teamcenter. The report includes the following information:

Parent Asset	Parent Asset ID	Parent Asset Serial Number	Parent Network Card
Parent Network Card ID	Port ID	Port Name	Port Type
Port Category	Port Description	Stream End	Connected Asset
Connected Asset ID	Connected Network Card	Connected Network Card ID	Connected Port
Connected Port ID	End Asset	End Port	Cable
Cable ID	VLAN	Port Status	

DCSCS-386: Web client EMIP library advanced search does not reset

Previously, the **EMIP Library Advanced Search** dialog box displayed attribute values from previous searches. Now, when you open the **EMIP Library Advanced Search** dialog box, all previous search criteria has been removed.

DCSCS-305: square lines in the 2D electrical viewer

Using the Datacenter Clarity LC's web client **Electrical Layout** module, you can specify the type of flow line that connects the assets:

- Orthogonal
- Diagonal
- Smooth
- Straight

You can also specify the type of cable edge that displays: Straight or Rounded.

DCSCS-284: have 'advanced search' option added to all searches

This issue has been resolved with the enhancements made to the Advanced Search in the web client.

For more information see [Advanced search improvements](#) in the **What's New** section.

DCSCS-470: more electrical sockets needed

Datacenter Clarity LC now includes the following socket types:

- IEC 60309 316
- IEC 60309 516
- IEC 60309 532

DCSCS-324: Additional (fiber) connector types

Datacenter Clarity LC now includes the following fiber connector types:

- SC/APC
- LC/APC
- FC/APC
- MTP
- E2000/APC
- DIN

DCSCS-387: emip export not grabbing right selection

Previously, when you generated a query in the EMIP library **Equipment List**, for the purpose of creating an export file, and the query did not generate any search results, you could still import and download a CSV file. Datacenter Clarity LC populated the file with all the assets that were not created by Maya.

Now, when a query does not produce any search results in the **Equipment List**, you cannot download the CSV file.

DCSCS-326: Names should be ordered in the 3D navigator

Asset names are now ordered alphabetically in the **3D Viewer's Navigator**.

DCSCS-304: web client EMIP library - comparison view Text

You can now compare different EMIP entry attributes in the EMIP library.

The EMIP library includes a new page: the **EMIP Entry Comparison** page, which identifies the attributes that are the same in the EMIP entries and those that are different.

For more information see **Navigating the EMIP Library** in the web client help files.

DCSCS-47: 2D diagram should show the location of the asset

In the Datacenter Clarity LC's web client **Electrical Layout** module, you can now view two-dimensional diagrams that represent the chain of electrical connections in your 3D model.

For more information, see **Electrical Layout** in the web client help files.

DCSCS-21: Web client EMIP new entry: validate attributes

Datacenter Clarity LC now validates EMIP entries as you create them. Fields that require a mandatory attribute value display an error message when you enter an invalid attribute value. The error message lists the required values.

DCSCS-20: Web client EMIP library new entry: list mandatory attributes

Resolved as described in [DCSCS-21: Web client EMIP new entry: validate attributes](#).

DCSCS-22: web client EMIP new entry: contextual menus

As described in [DCSCS-21: Web client EMIP new entry: validate attributes](#), Datacenter Clarity LC validates and displays EMIP entries in an error message. The EMIP menus are not contextual, but you are advised in a message box when you enter an invalid value.

You can add as many rules as you require. This is a commissioning task.

DCSCS-12: Automatic generation of reports in TC

This issue has been resolved with the new automatic reports service in Datacenter Clarity LC.

For more information see [Automatic generation of reports in the Asset Management Environment](#) in the **What's New** section.

DCSCS-150: Concept of SFPs is not supported

To support modular/pluggable devices, such as SFP, SFP+, XFP, and GBIC Datacenter Clarity LC now lets you modify the port type and category when the port type is:

GBIC/LC GBIC/LCD GBIC/PC GBIC/PCD GBIC/Unknown

SFP+/LC SFP+/LCD SFP+/PC SFP+/Unknown

SFP/LC SFP/LCD SFP/PC SFP/Unknown

Datacenter Clarity LC has changed the following connector types:

Migration			
Previous connector type		Changed to	
Category	Type	Category	Type
Copper	GBIC	Copper	GBIC/Unknown
Fiber	GBIC	Fiber	GBIC/Unknown
Copper	SFP	Copper	SFP/RJ-45
Fiber	SFP	Fiber	SFP/Unknown

DCSCS-159: Single Line Diagram including status of switchgear

This issue has been resolved with the new Electrical Layout module. Refer to [Electrical Layout](#) in the **What's New** section for more information.

DCSCS-277: Web client electrical layout similar to network layout

The **Electrical Layout** module has been added to Datacenter Clarity LC's web client, which is similar to the **Network Layout** module.

The **Electrical Layout** module displays a two-dimensional diagram that represents the chain of electrical connections in your 3D model.

The **Electrical Layout** diagram displays asset and electrical attribute information and real-time data on the assets input power or current.

For more information, see **Electrical Layout** in the in the web client help files.

DCSCS-182: Autoconnect function in NX Edit Dialog is not called if asset is not moved/edited

Previously, when an asset was edited, but not moved in the model, the **Autoconnect** tool was not available.

Now when an asset is edited, but not moved, Datacenter Clarity LC checks if the asset is connected:

- If no connections were made, **Auto Connect** is enabled and Datacenter Clarity LC makes the connections.
- If connections were made, **Auto Connect** is disabled.

DCSCS-482: publish NX 4D reports to web client

Task instructions for configuring 4D reports have been added to the Commissioning Guide for this release.

DCSCS-352: Decals to NX don't work for Custom EMIP entries

To ensure that custom front and back decal jpg and png image files are added to EMIP entries, instructions were added to the **3D Model Viewer Tools** page in the Datacenter Clarity LC User Reference help files that explains standard practices for naming these file types.

DCSCS-480: Commissioning guide 2.2.2

The Commissioning guide task instructions for building the 3D Modeling and creating the Real-Estate Structure has been updated.

Resolved bugs

DCSCS-347: Can't create city under a country

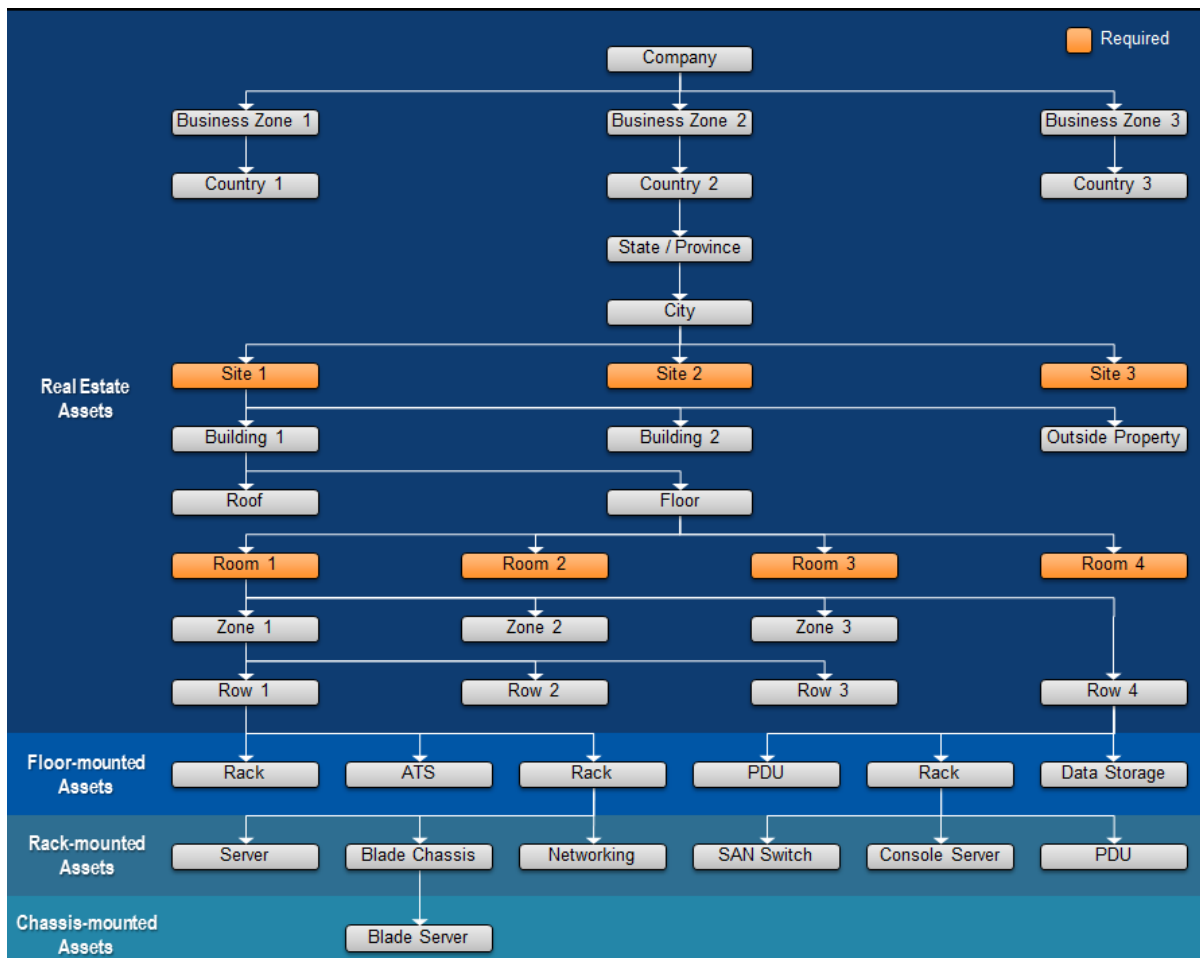
Previously the **Create Real Estate Structure** commissioning tool let you create (ordered) real-estate assets with any number of gaps in the hierarchy, such as a structure with only two levels: a company asset and a room asset.

Datacenter Clarity LC now requires that you create a site asset if you want to add any of the following assets:

- Building
- Roof
- Floor

In addition, you cannot add any one of the following assets without first creating a room asset:

- Zone
- Row
- Floor-mounted-assets



You are not required to create each of the listed assets, but must create the required assets to place anyone of the child assets in the 3D model.

Due to the changes made to the **Create Real Estate Structure** commissioning tool, the **Create/Edit Asset** dialog is now more flexible. Previously, you could only install an asset below the immediate next logical real-estate level. For example, you could create a building asset under a site asset but you could not create a floor asset under a site asset.

Now, the **Create/Edit Asset** dialog box adheres to the same rules used by the **Create Real Estate Structure** commissioning tool.

You must follow these rules when performing a batch asset import.

For more information see **Asset hierarchy configuration** in the Datacenter Clarity LC User Reference help files.

DCSCS-437: user cannot add patch panel blade to out of rack blade chassis

Previously you could only place a blade in patch panels (defined as blade chassis in Datacenter Clarity LC) that were rack-mounted.

Now, you can now place a blade in patch panels that are:

- Surface-mounted
- Floor-mounted
- Tile-mounted

DCSCS-447: LC Duplex port can't connect in web client

Datacenter Clarity LC can now make connections between LCD ports.

DCSCS-542: Dimensions on EMIP connectors only accept numbers without digits

Now, when you add or modify attribute values in the **EMIP Entry Attributes** table, Datacenter Clarity accepts decimal points.

DCSCS-538: Client customisations should not be in install package

Installation configuration files no longer include code for customized Datacenter Clarity LC installations.

DCSCS-575: EMIP import tool does not detect change when changing attribute from lower to uppercase

Previously, when Datacenter Clarity LC imported equipment definitions, using the **EMIP Import** tool and the given file only included one modification to attributes, a change in case from lower to uppercase, Datacenter Clarity LC did not implement this change.

Now, Datacenter Clarity LC changes the case, when required.