



CORMANT-CS

New Features Training v9.4

July 2018

V015

Topics Covered

- ✓ [Summary of Key Changes](#)
- ✓ [Training on New Features v9.4](#)
- ✓ [Information & Other Training Resources](#)
- ✓ [Online Help Feature](#)
- ✓ [Stay in Touch](#)
- ✓ [Cormant Customer Support](#)

Summary of Key Changes

- **Online Mobile Alternative for Offline Mobility!**
 - V9.4 is 1st Cormant-CS version to be a fully responsive web HTML5 platform and can be a substitute for offline mobility when needed.
- **Web Scanning Capabilities** which include full support for Bluetooth Barcode Scanning and Device Camera Scanning (both 2D Data Matrix as well as 1D barcodes)
- **New “Scan Mode” on web** that replicates functionality of current Cormant-CS Windows Mobile offline application with the following exceptions: Online only, No Audit Module Support and Scan to Conduit functionality is limited at this time.
- **Floor Plan Views** improved with new nesting floor plans and the allowance of irregular shaped spaces.
- **Data Center Plan View Enhancements** that include Multi Rack Threshold Colors and Visible RU's
- **Improved Reporting** with added pie chart displays to custom reports and dashboards
- **Export of Report Charts** in multiple image formats now available on custom reports
- **New & Improved Dashboard Widgets**
 - Alerts & Alerts Summary
 - Workflow & Workflow Summary
 - Improvements to Custom Report and Plan Widgets
- **Increased Security Features**

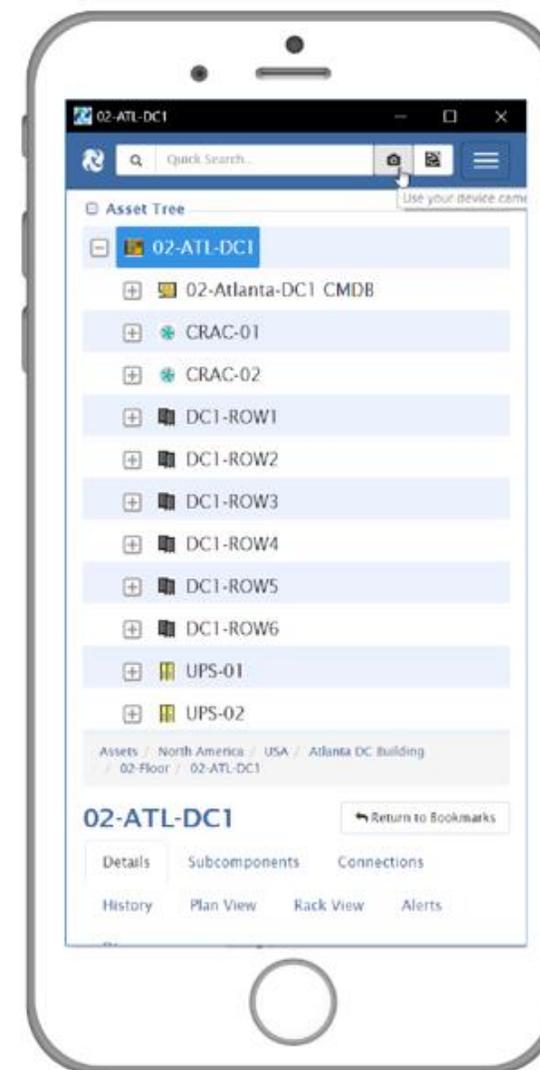
Training on New Features



Let's Get Started...

Online Mobile Alternative for Offline Mobility

- Version 9.4 is the first Cormant-CS version to provide a substitute for the Cormant-CS Windows Mobile offline application using the fully responsive Cormant-CS web application.
- **Touch Screen Capability** supports a mobile solution using browsers on phones and tablets in a user/finger friendly interface.
- Support across PC, tablet and phone is automatic using the normal Cormant-CS web URL and will work on Apple and Android mobile devices as well as devices running Windows 10.



Web Scanning Capabilities with Online Mobility

Cormant-CS V9.4 now contains **Barcode Scanning Functions.**

- Cormant-CS Web includes full support for Bluetooth Barcode Scanning and attachable USB Scanners (both 2D Data Matrix and 1D barcodes), as well as Android-based mobile/pocket PC with dedicated scanner (models similar to Zebra/Motorola TC 51/56)
- A Device Camera can also be used as a barcode reader for scanning purposes.



Bluetooth 1D/2D scanner



USB 1D/2D scanner

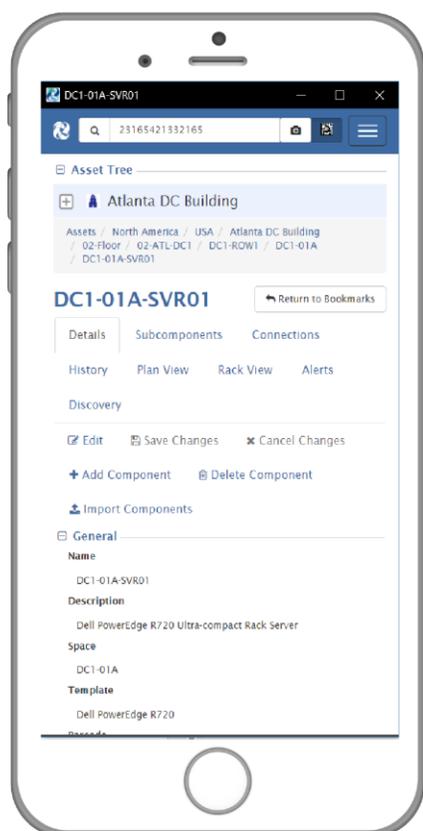


Android Pocket PC with
Dedicated 1D/2D scanner

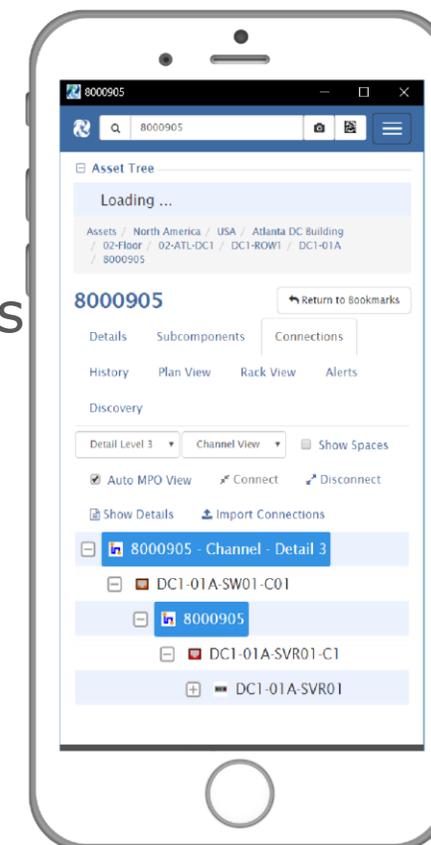
Web Scanning Functions – Scan Mode

- **Scan Mode** imitates the offline Windows Mobile application behavior where scanning a serial number, asset tag or barcode number will quickly load that asset or connectivity into Cormant-CS.
- If the barcode is not found, the program will prompt for an option to assign or create a new record

Asset Details



Connections Details



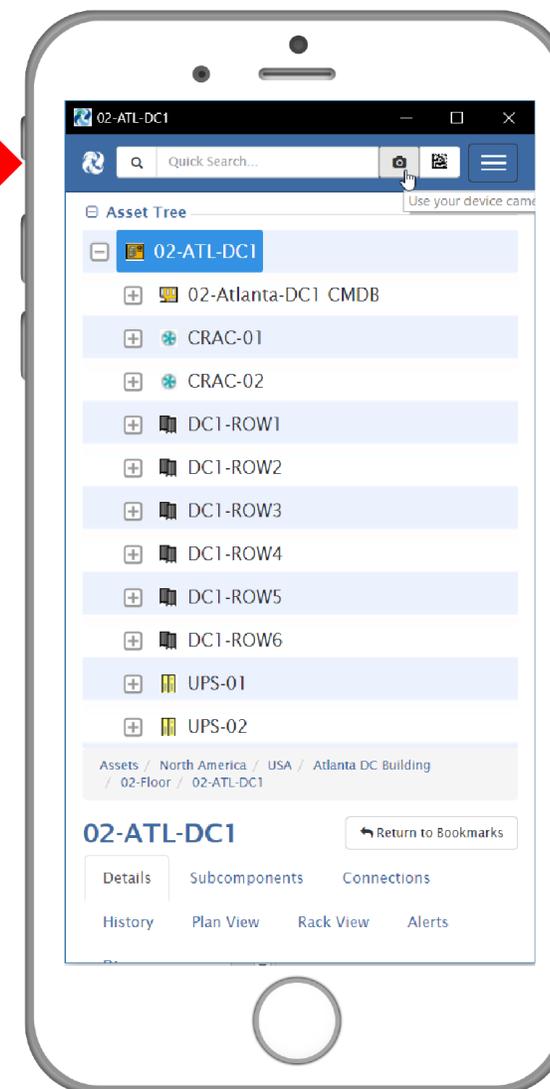
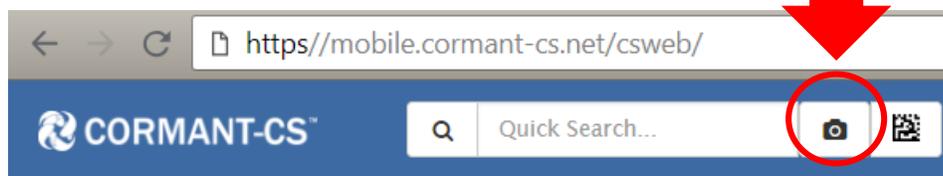
Web Scanning Functions – Scan Mode

To engage **Scan Mode** using a scanning device:

- Point your mobile browser to the secured Cormant-CS Server Web (*Https required*) and tap the 2D barcode next to Quick Search to engage **Scan Mode**.
- Once in Scan Mode, use an attached scanner (Bluetooth or USB) to scan a barcode for recording or searching functionality.

To engage **Scan Mode** using the camera of your smartphone or tablet:

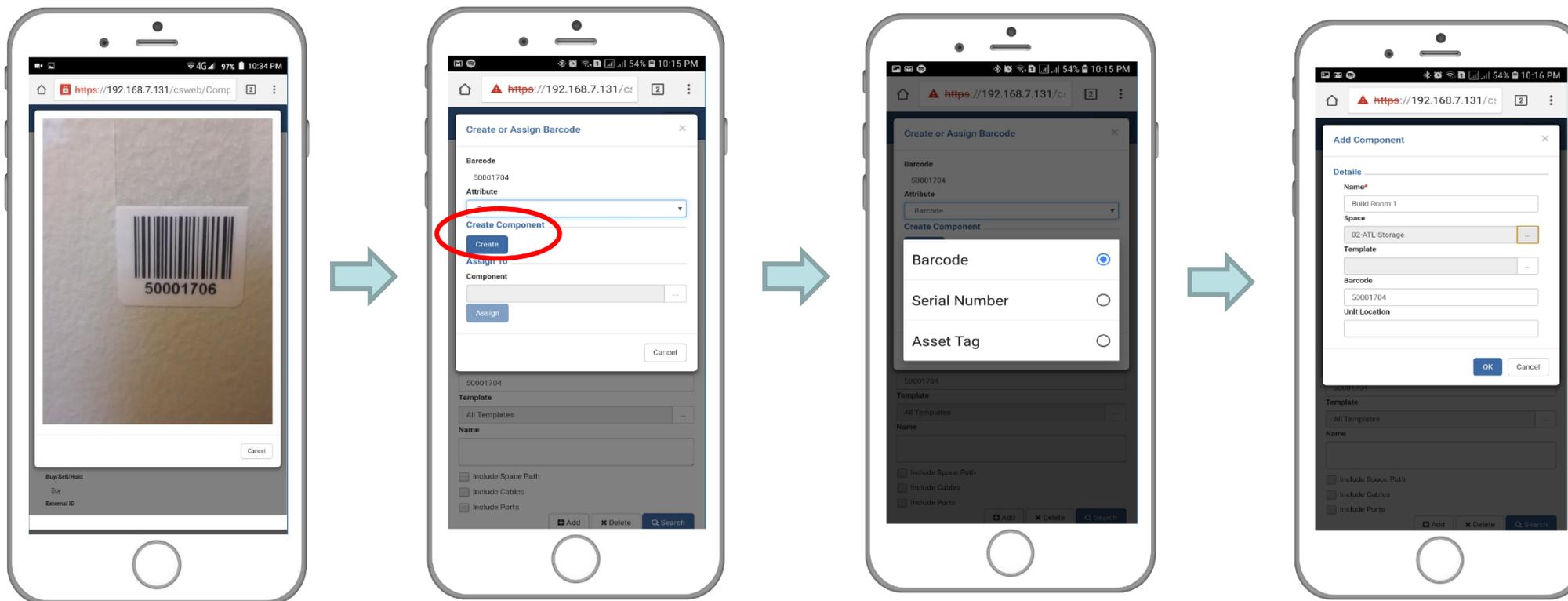
- Tap the camera icon next to the Quick Search bar to use the camera of your smartphone or tablet as a barcode reader.



Web Scanning Functions – Scan Asset (Create New)

➤ Scanning Assets

- While in Scan Mode, scan a barcode using an external device or camera. If the barcode is not recognized, you will have the option to *assign that barcode to an existing asset*, or *create a new asset with that new barcode*.
- To create a new one, see example shown below to scan and create:



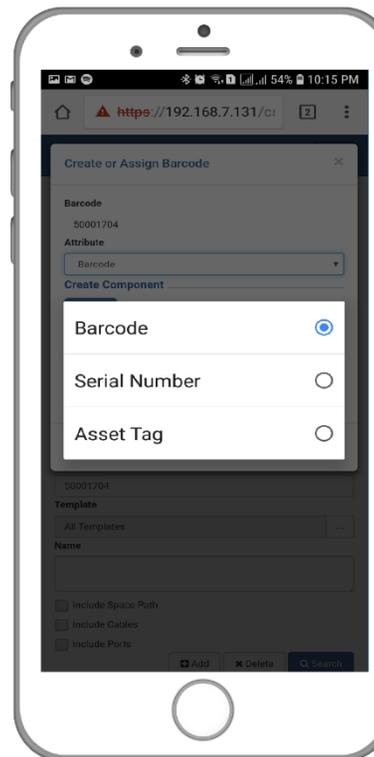
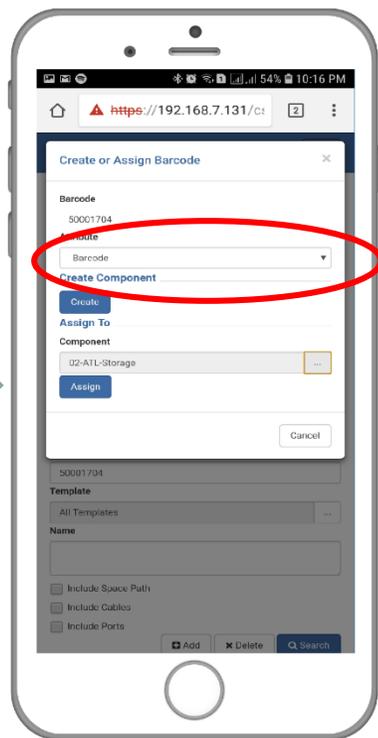
Web Scanning Functions – Scan Asset (Assign to Existing)

➤ To assign the barcode to an existing asset, use steps shown below:

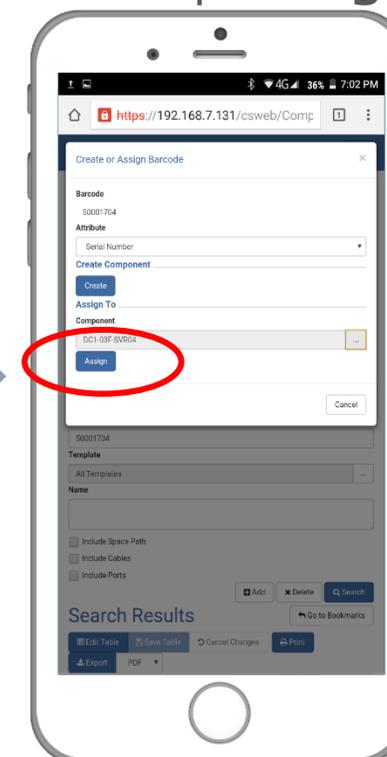
1. **Scan** first



2. **Select attribute** to save the barcode value



3. Browse Asset then tap **Assign**



Web Scanning Functions – Connecting Ports

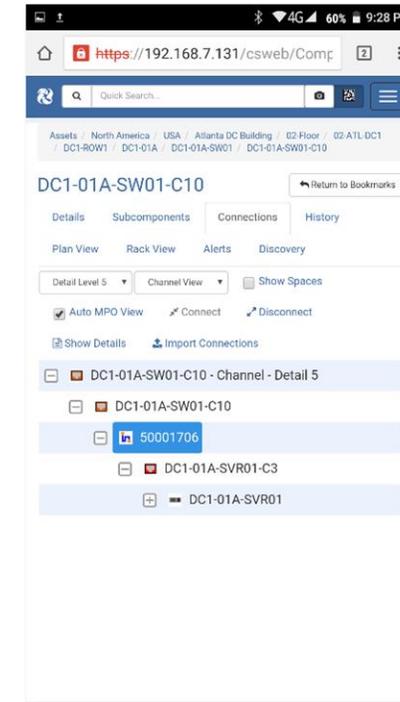
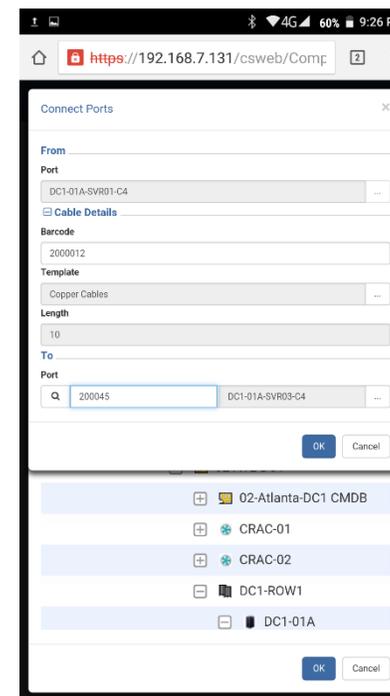
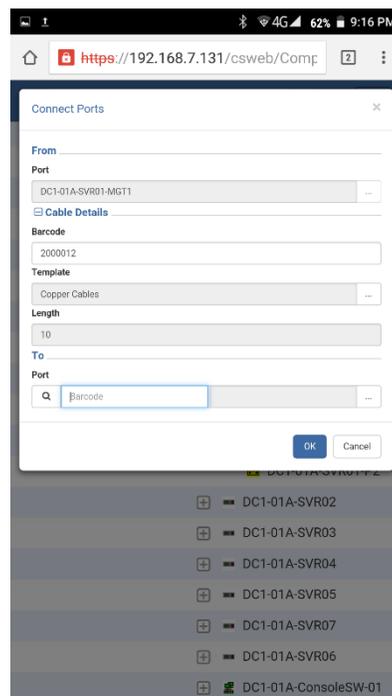
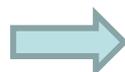
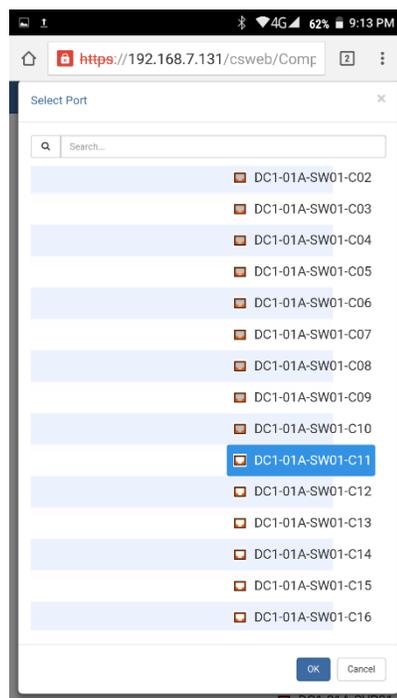
- You can use your mobile in Cormant-CS to connect individual ports with barcode cables
- **Connecting Ports** is the same as in Cormant-CS Web Desktop browser, but with addition of barcode scanning to speed up the searching of asset and cables!

Tap and hold to the port
And tap connect
from context menu

Scan or fill in the barcode
cable to be used

Scan the end equipment
where the cable will be connected
then select the port you'll use

Newly connection
port – switch view

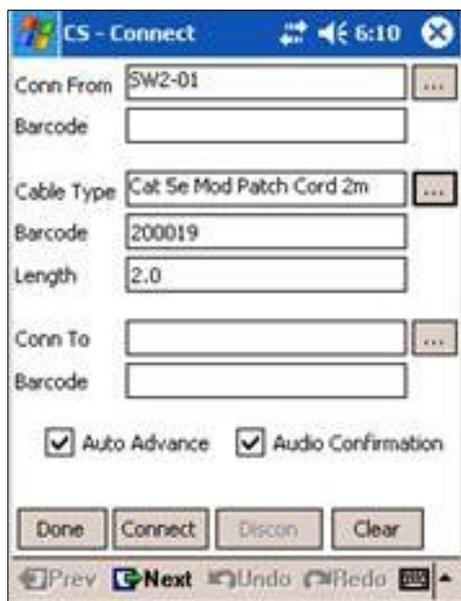
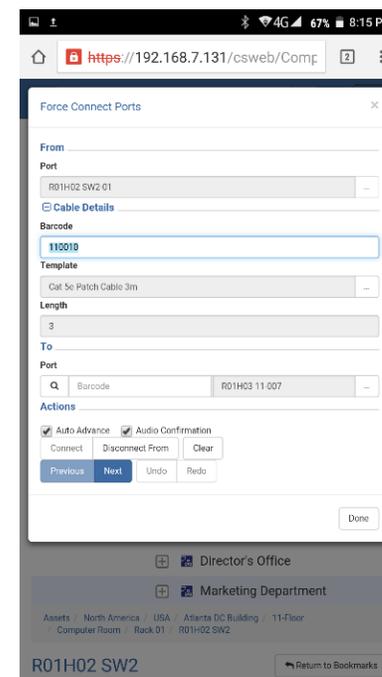


Web Scanning Functions – Force Connect

- This is quite a useful function to quickly connect or update several barcoded cables in a rack. **Force Connect (FC)**, sometimes called, **Quick Connect** in the offline Window Mobile application, allows you to use the Cormant- CS Web Mobile to scan cables connected to a switch or patch panel, quickly and with ease.
- This is typically used on cases wherein there is a newly patched switch or patch panel and you need to quickly record the connectivity in Cormant-CS .

NOTE: This is slightly different from the normal connect process on the handheld, as it will not warn if the connection is current or different.

Quick Connect
Offline Windows
Mobile Version

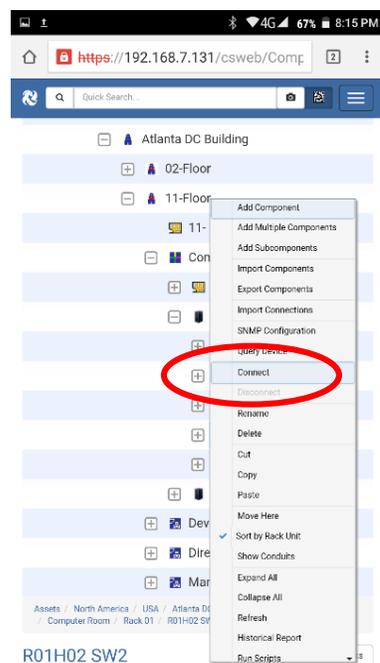
ForceConnect
Cormant- CS Web
Mobile version



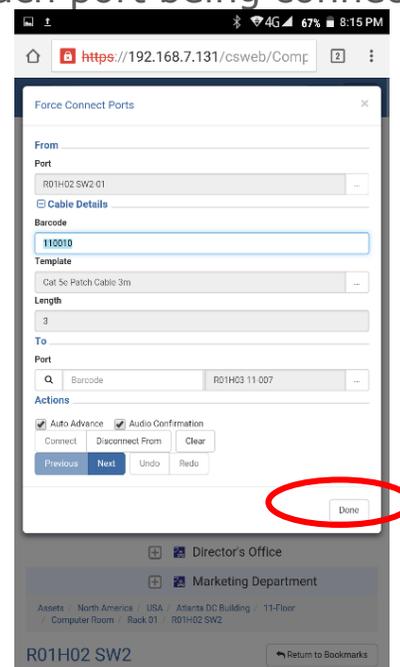
Web Scanning Functions – Force Connect

- To use Force Connect, first find the switch or patch panel you'd like to update connections on. ***Note:** you can use search or scan the barcode of the switch or patch panel.
- Next, follow below steps:

1. Tap and hold to the switch or panel you'd like to Force Connect. Tap **Connect** from context menu



2. **Scan** the patch cable in the switch and the app will read the port number on each port being connected.



3. **Scan all cables.** You can click Next button for ports that are not connected. When complete, tap the **Done** button to make Cormant-CS update the connectivity records

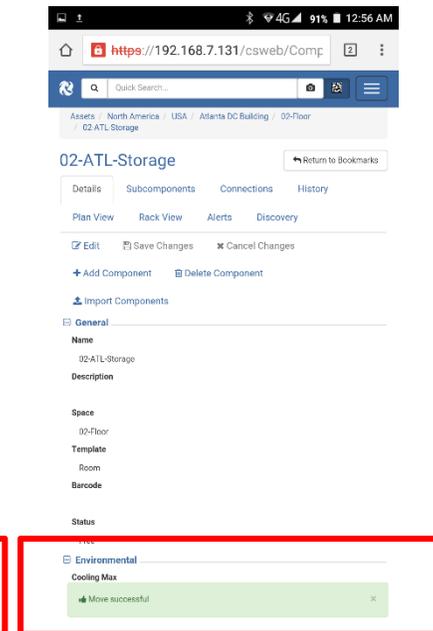
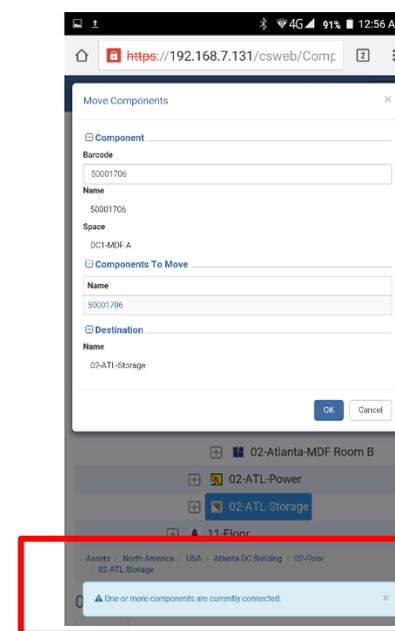
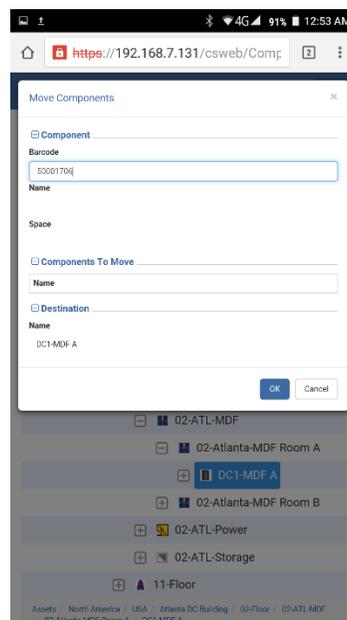
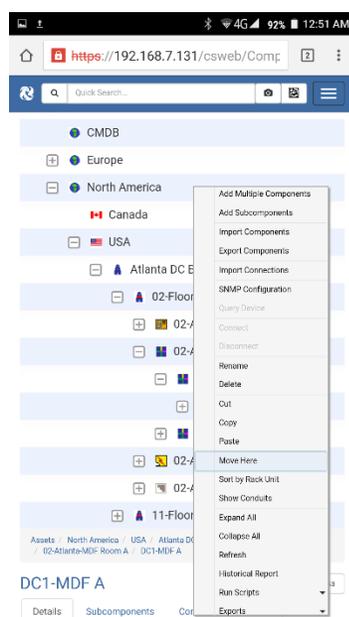
Web Scanning Functions – Move Here

- **Move-Here** function allows you to scan one or more components to a space. This is best used after moving several assets, then executing this function.
- To use, go to the new space, room or rack where the equipment was moved to then follow below steps

Tap and hold to the space where the asset is moved. Tap **Move Here** function

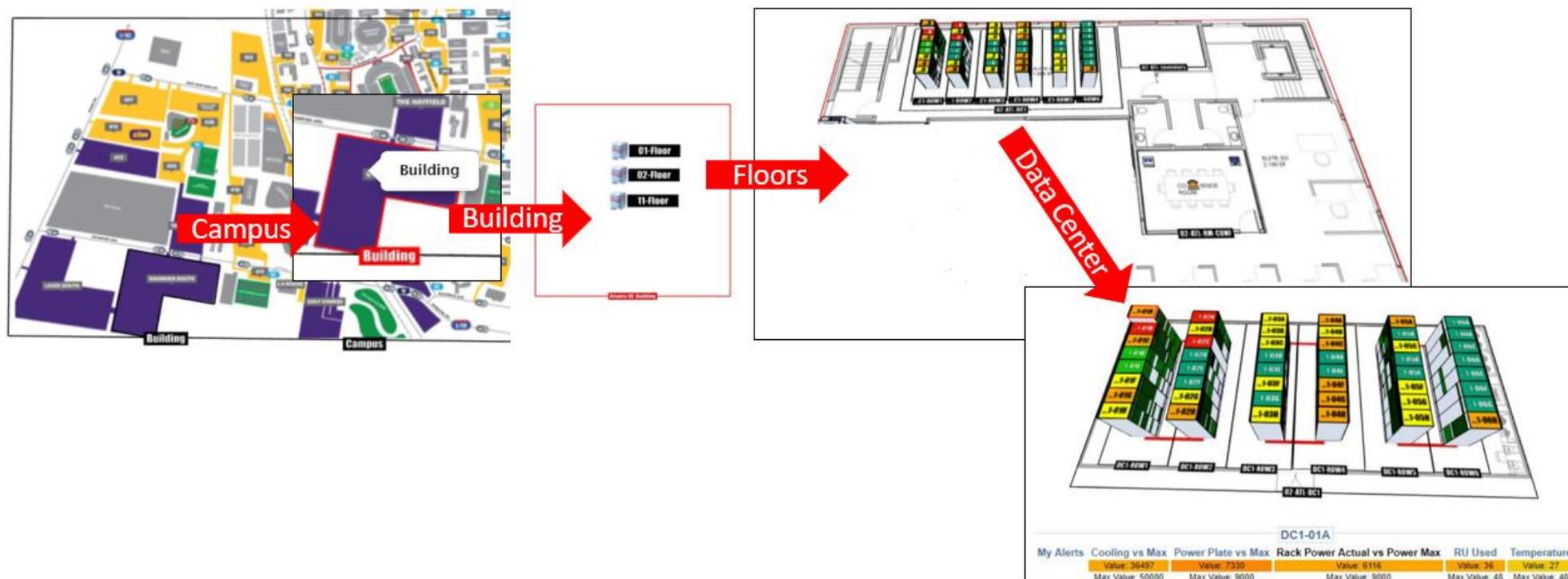
Scan using barcode scanner or type-in the barcode #

Cormant-CS will warn you if asset is connected. Confirm the move and it will move the asset/s



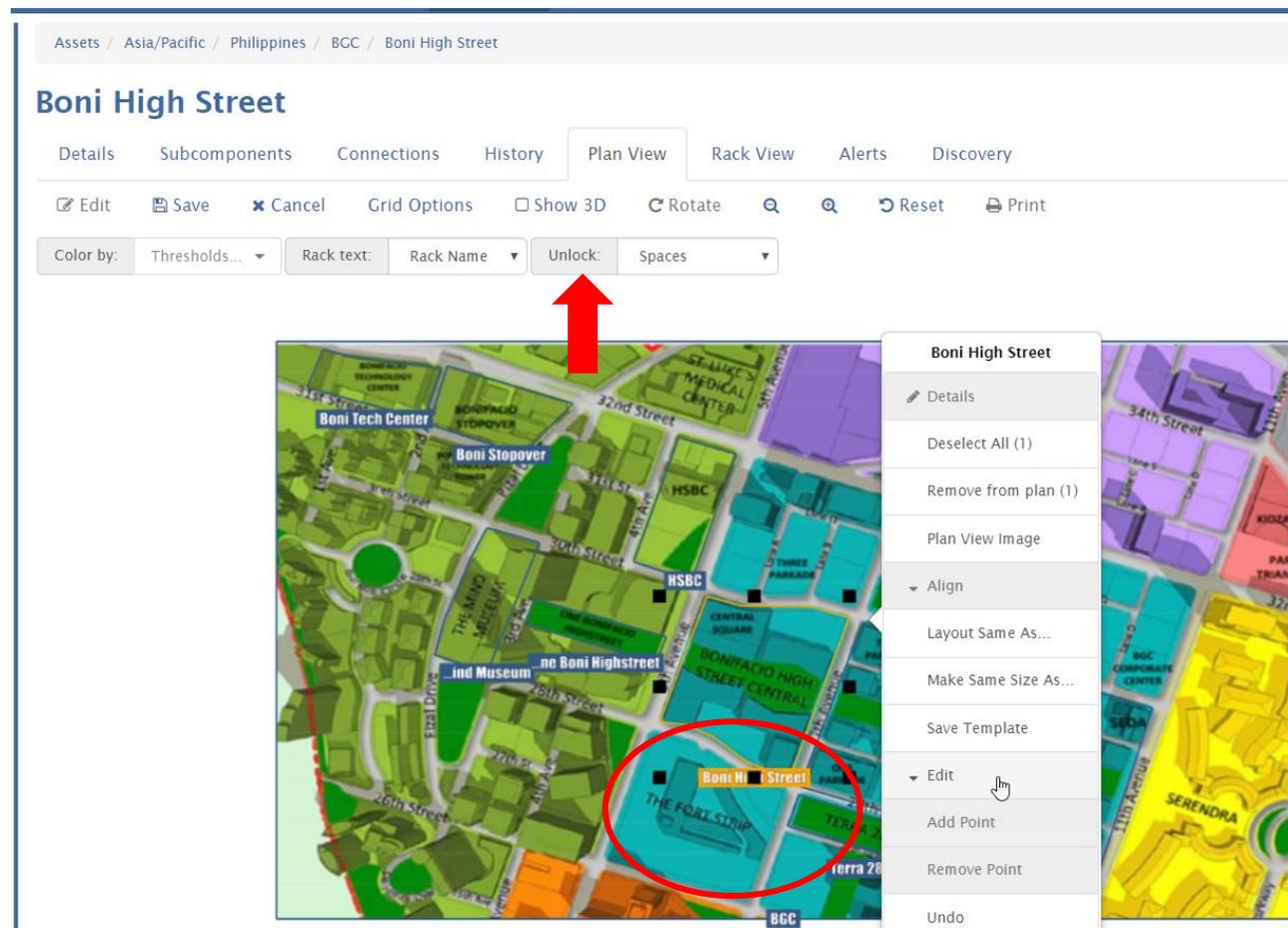
Multi Level Plan Views in Cormant CS Web

- **Nested Plans** are now supported. You can overlay plans based on their tree hierarchy and drill-down to specific spaces. Clicking (or tapping if on a mobile device) laid out spaces / rooms will open up the plan of that space.
- An example space hierarchy where this works well is having a 1) **Campus** Site, with several 2) **Buildings** where and each Buildings has 3) **Floors** and those floors have 4) **Data Center** rooms or **Office Areas**, as shown in the example below where each space has a floor plan that can be drilled down into their child spaces.



Multi Level Plan Views in Cormant-CS Web

- **Irregular Shaped Spaces** is now supported.
- To add a new point to shape the plan, go to Edit mode in Plan View
- If the asset is a room, datacenter or a building, click **Unlock Spaces**.
- Then, right click and click **Edit > Add Point** or **Remove point**.
- You can define the shape of spaces and rooms by adding and adjusting points as needed.



Multi Level Plan Views in Cormant-CS Web

- **Spaces** that are not yet laid out in the floor plan or map are highlighted in **Yellow**. Drag-and-drop the space/bldg. to the map on the right to lay it out.
- In the example below, the Fort Strip is an **L-Shape building**. You can turn the default square mapping into an irregular shape by **Editing** and adding **Points**

The screenshot illustrates the workflow for editing a building shape in the software. On the left, the **Asset Tree** shows a hierarchy of spaces, with **Fort Strip** highlighted in yellow and circled in red. A blue arrow points from this asset to the main map view. The map view shows a 3D perspective of a city block with buildings. One building, labeled **THE FORT STRIP**, is highlighted in cyan and has a red square bounding box around it. A context menu is open over this bounding box, with the **Edit** option circled in red. A sub-menu is also open, showing **Add Point** and **Remove Point** options, both of which are circled in red. To the right, a smaller view shows the building after editing, now with an irregular L-shaped footprint, also circled in red. Below this view, the text **After edit** is displayed.

Plan Enhancements – Color Coded Alerts & Thresholds

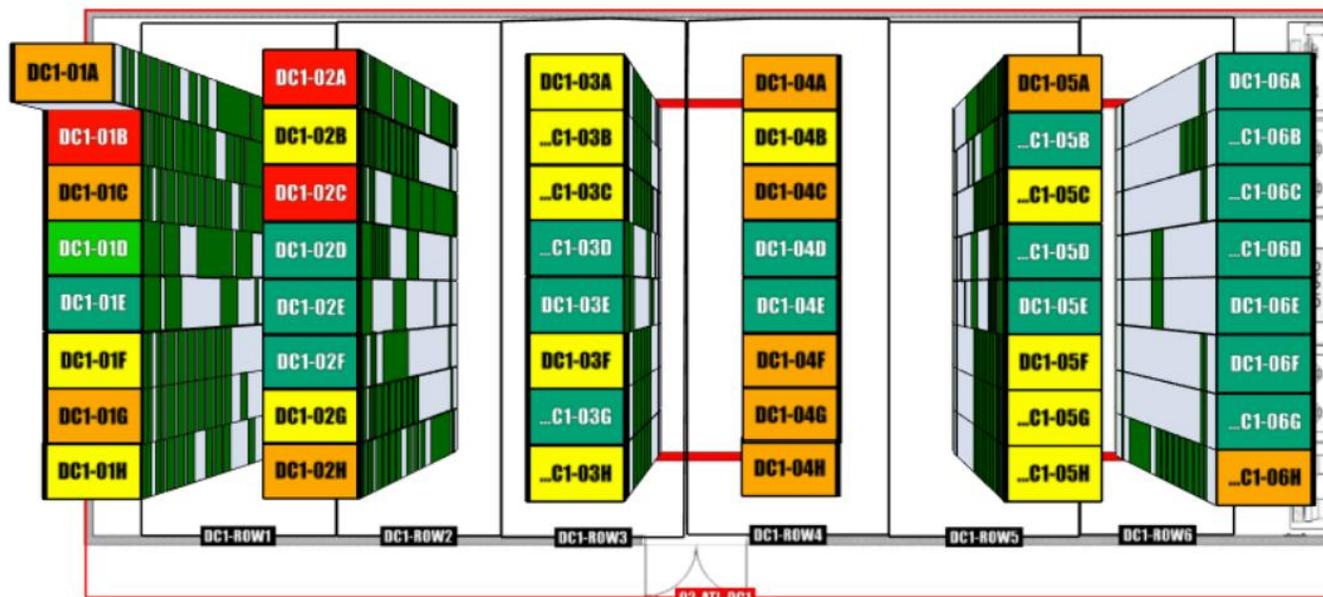
- Multi Rack Threshold Colors have been added to the Plan View to allow user to view color coded multiple alert thresholds. By default, the plan view will open to *Color By: My Alerts*

02-ATL-DC1

Details Subcomponents Connections History Plan View Rack View Alerts Discovery

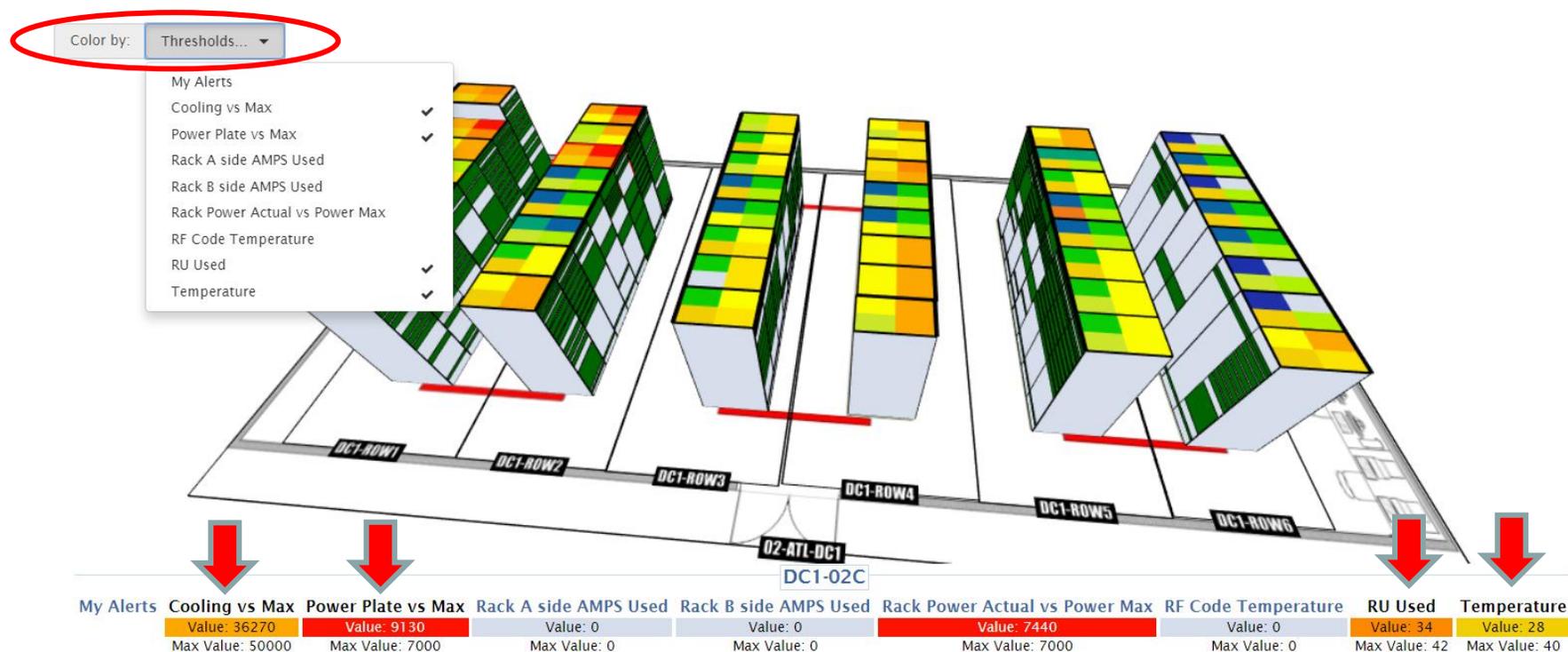
Edit Save Cancel Grid Options Show 3D Rotate Search Reset Print

Color by: **Thresholds...** Rack text: Rack Name



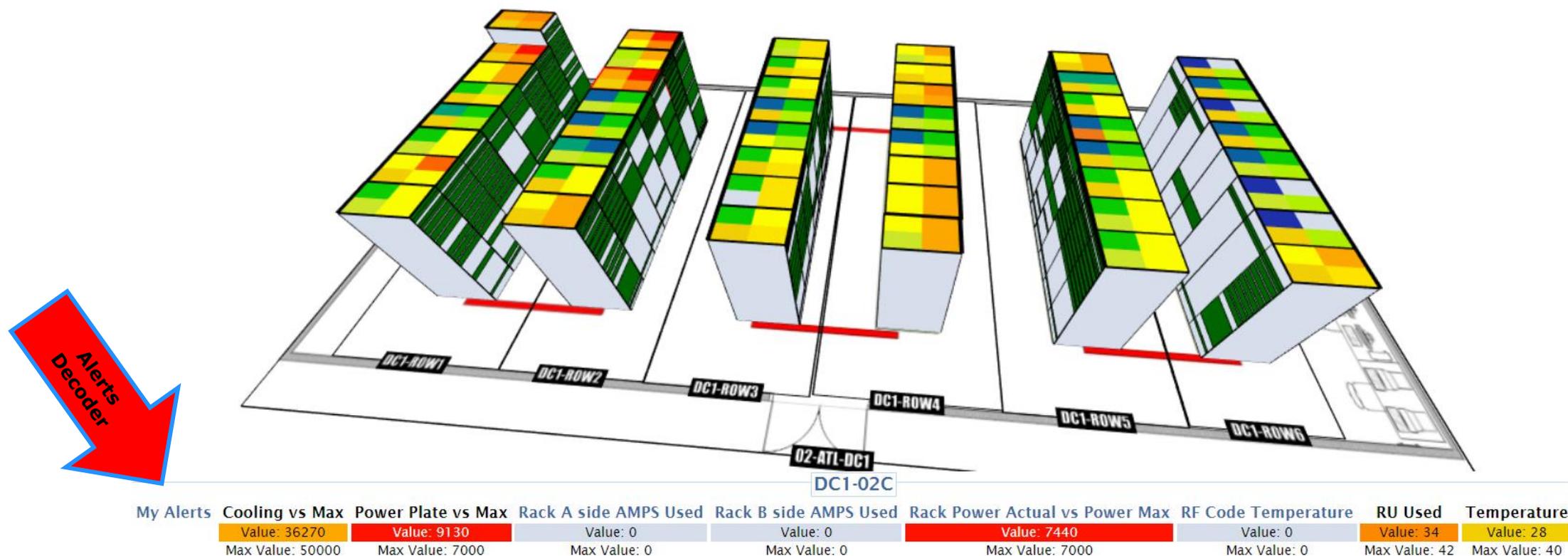
Plan Enhancements - Color Coded Alerts & Thresholds

- The user can select the **Color By** dropdown menu to see list of existing alert thresholds. A checkmark will signify the displayed (activated) threshold color alert(s). You can display 1, 2 or 4 alerts. *If 3 alert thresholds are selected, the lower left rack quadrant is grey, indicating no 4th alert threshold has been selected. Also,
 - *It is not possible to select more than 4 thresholds.*
 - *The alerts will display in order clockwise from top left.*



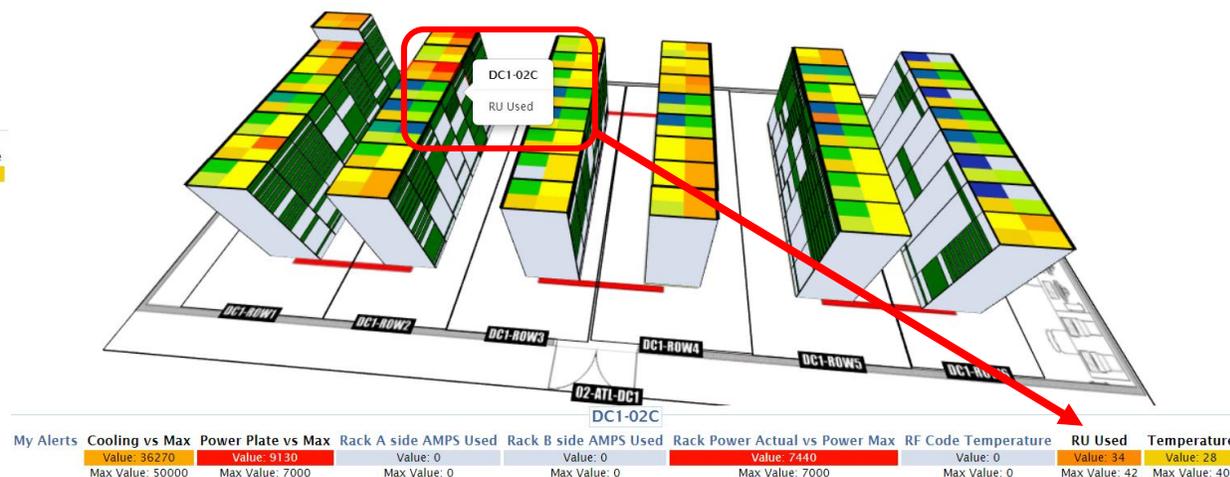
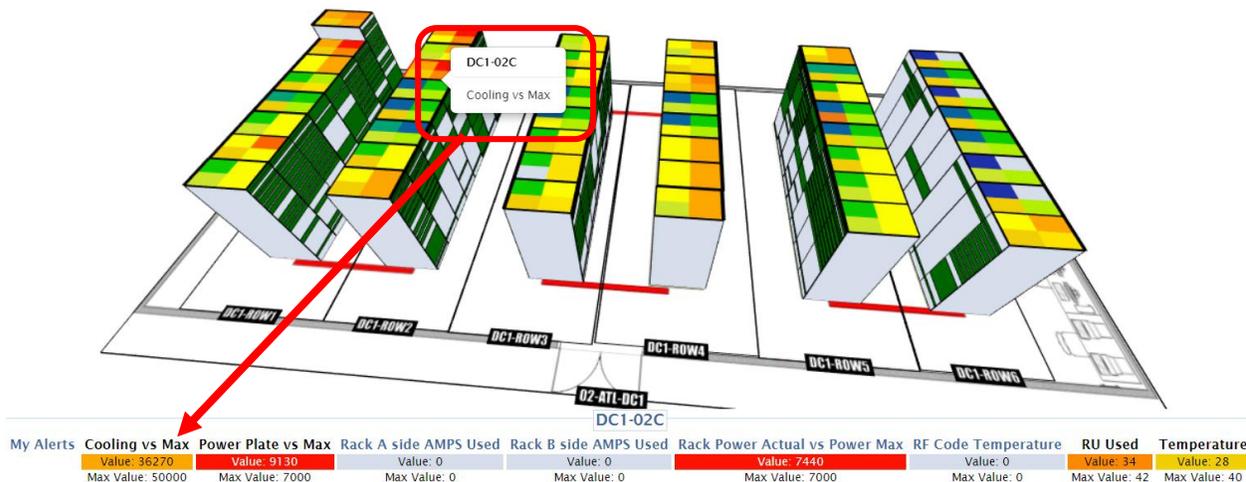
Plan Enhancements – Alerts Decoder

- Single click on a specific rack, in this example, DC1-02C has been selected, and the **Alerts Decoder** will display at the bottom of the screen, showing all aggregated values for captured threshold(s).
- *Cool Feature Alert!* When in Plan View, you can single click outside of the floor plan then hover your cursor over a rack alert to see the alerts decoder aggregate values at the bottom. As you move your hovered cursor over different racks, the alerts decoder will update accordingly providing accurate alerts data.



Plan Enhancements – Alerts Decoder

- If you hover specifically over a color coded alert on a specified rack, you will see the threshold name. These will match the Alerts Decoder threshold and color coding at the bottom of the screen. These values show the *Current Aggregated Value* of that threshold and the *Max Value* configured for that threshold.



Plan Enhancements – Visible RU's

- Individual components in racks are now easily identified on Plan View with **Visible RU's!**
- In this example, on rack DC1-01F, notice the individual components and their associated RU's visible in GREEN (Note: Cormant-CS supports both front and back rack views.)



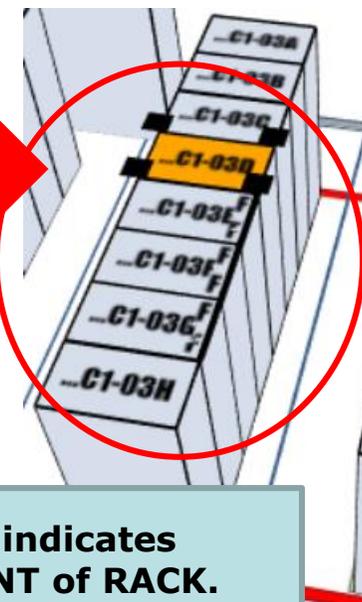
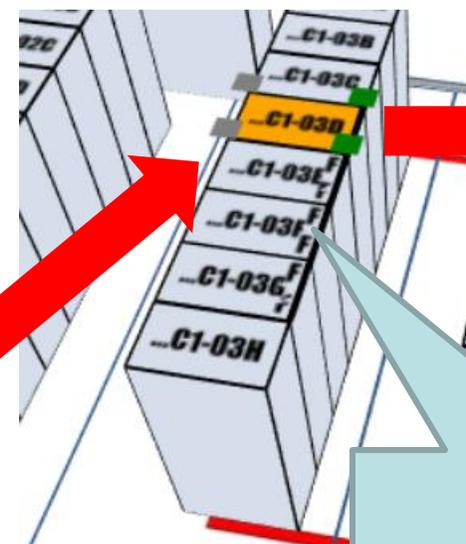
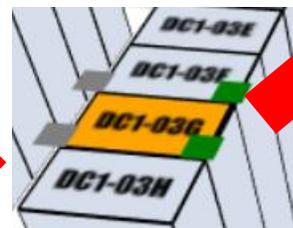
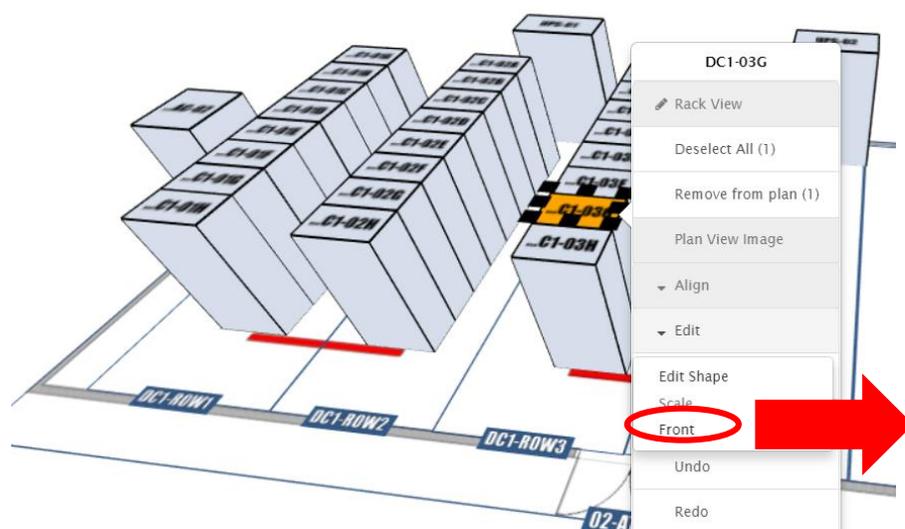
Plan Enhancements – Visible RU's

- So how do you configure your Plan View to SHOW the Visible RU's?
 - Go to Edit Mode in Plan View by clicking EDIT. In this example, we are editing 02-ATL-DC1. Your Plan View will display as shown below.
 - Next, you must UNLOCK Racks & FMD's



Plan Enhancements - Visible RU's

- Then *Single click* on the selected rack to edit. In this example, we are unlocking DC1-03G
- Then *Right click* to display the Edit options drop down menu
- Select **Front**. To identify the FRONT of Rack, click on 2 of 4 corner points (squares) to turn them from BLACK to GREEN, identifying those GREEN as the Front of that Rack. For multiple racks, click the next rack, performing the same operation of clicking on the 2 square points, turning them from BLACK to GREEN and continue until all Front of Racks have been identified with GREEN squares.
- **You will notice as you pass from identified rack to the next, the racks already defined will display an "FF", which indicates **Front of Rack**.*
- When finished click **SAVE**



"FF" indicates FRONT of RACK.

Plan Enhancements - Visible RU's

- *Cool Feature Alert!* When adding new racks to Plan View, you can identify the Front of Rack then Right click and from the drop menu click Save Template and the system will save the Front of Rack location, making rack adds much more efficient and user friendly.



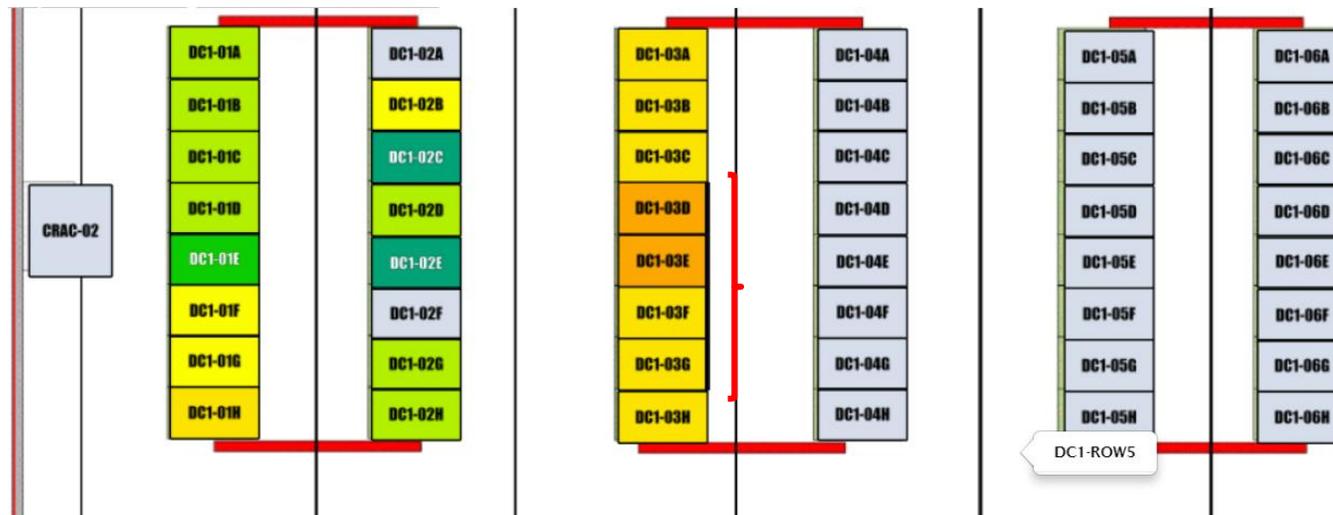
Plan Enhancements – Visible RU's

- Once Front of Rack has been saved, you will notice 2 things:
 - All components and Visible RU's are now displayed on Plan View in GREEN (Show 3D) AND
 - The rack will now show a bold outline where the Front of Rack was identified when in Plan View (Show 2D)



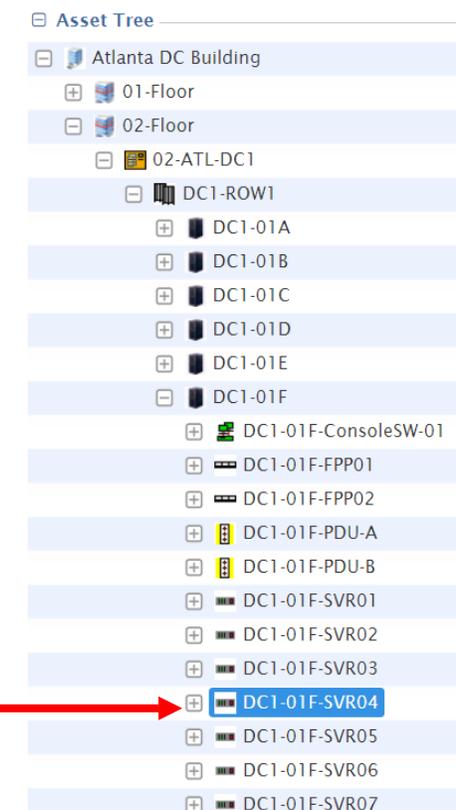
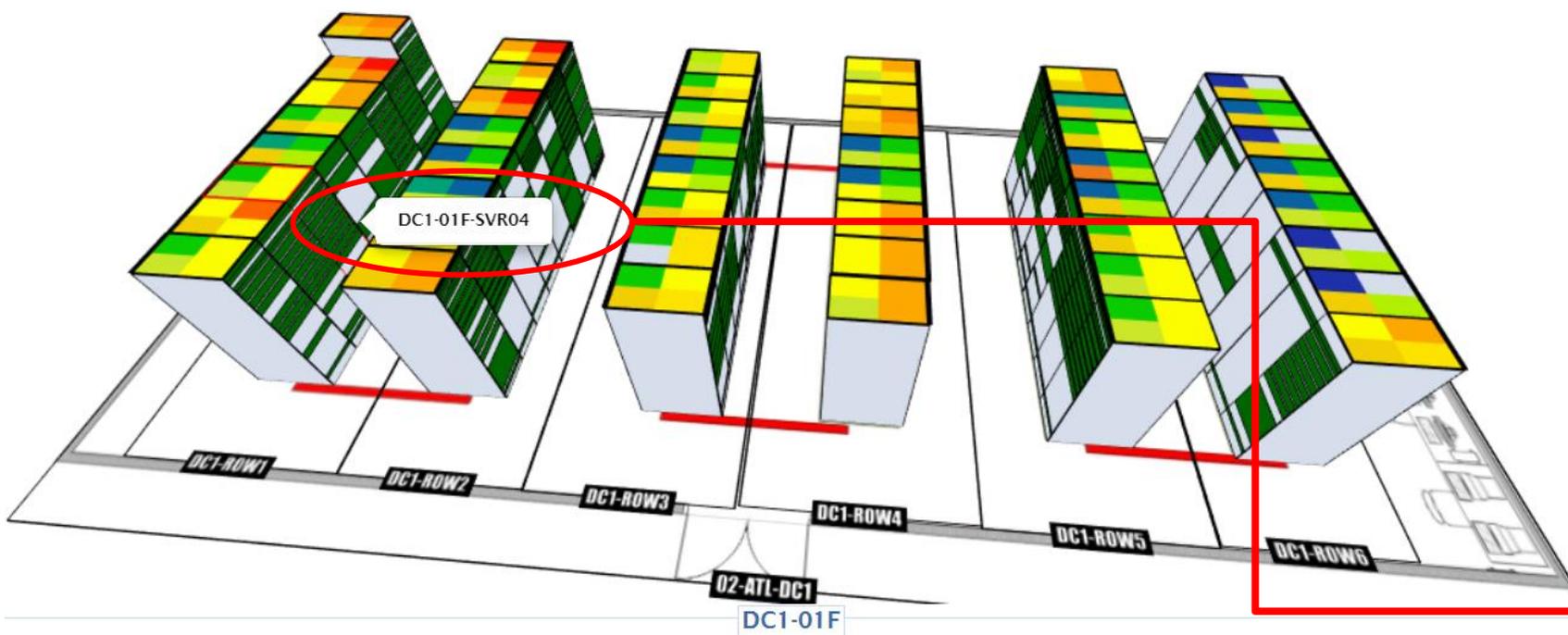
(3D) view of visible RU's now in GREEN.

(2D) → The bold line(s) indicating Front of Rack are purposefully faint yet noticeable, to offer a subtle indicator without taking away from rest of plan view layout.



Plan Enhancements – Visible RU's

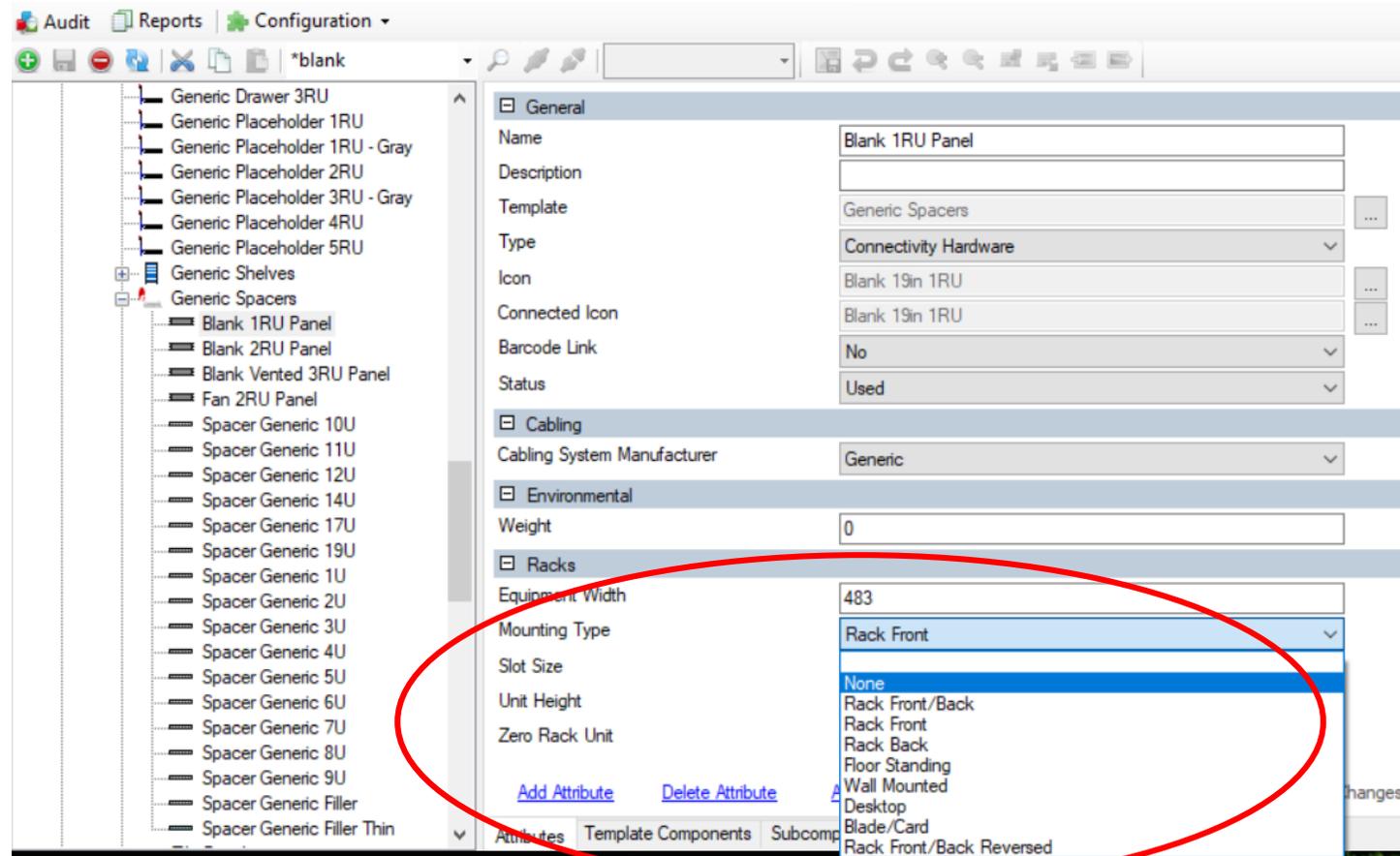
- Hover over any rack component identified in GREEN and a display bubble of component name will show. Move your mouse over the components in any rack for this feature. In this example, we are hovering over DC1-01F-SVR04.
- A SINGLE click on that component takes you to that component in the Asset Tree. You will stay on the Plan View Tab.
- A DOUBLE click on that component will take you to the Details tab of that particular component and you will leave the Plan View Tab.



Plan Enhancements – Visible RU's

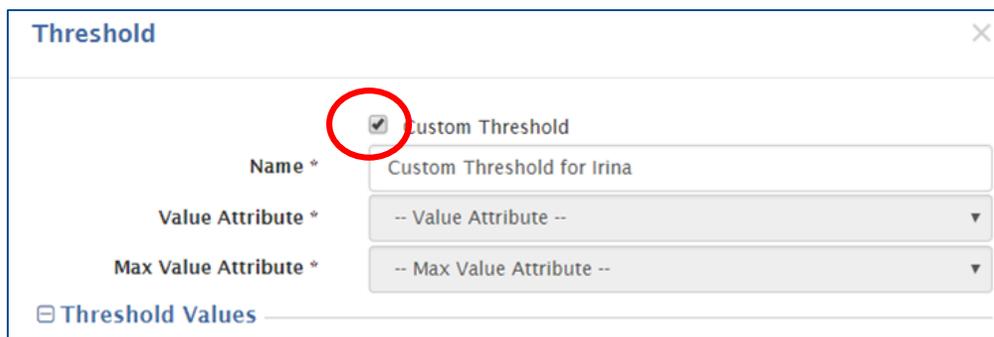
We understand some customers record blank panels/blanking plates with various RU's as part of their Asset Tree. This can result in an incorrect recording of available RU space when searching for a rack unit location to mount a component. To take into consideration this discrepancy when recording blank panels of various RU's, Cormant suggests setting the blank panel/blanking plate **Mounting Type = "NONE"**. This will then show as available space in your Plan View Tab (Show 3D)/Visible RU's.

*If you have a large number of blanking plates/blank panels, Cormant recommends updating the blank panel *template(s)* in the Desktop Client so that all are defaulted as Mounting Type = "NONE".



Plan Enhancements – Custom Threshold Alerts Available

- Alerts from Custom Thresholds now appear on Plan View when a script triggers a custom alert.
- To create a Custom Threshold, go to Alerts module>>Thresholds>>Create+.
- Click **Custom Threshold**. Notice that Value Attribute and Max Value Attribute are disabled.
- Custom thresholds are created via scripts. Any situation can generate an Alert.
- Imagine a CRAC unit that can end up in a fault condition. The unit has an SNMP Attribute “Status” that gets set to “Fault”. A script that checks for this value can be created and Users warned by creating a Warning or Critical Alert when this is found.
- Components other than Racks can produce Custom Thresholds.



Threshold [X]

Custom Threshold

Name * Custom Threshold for Irina

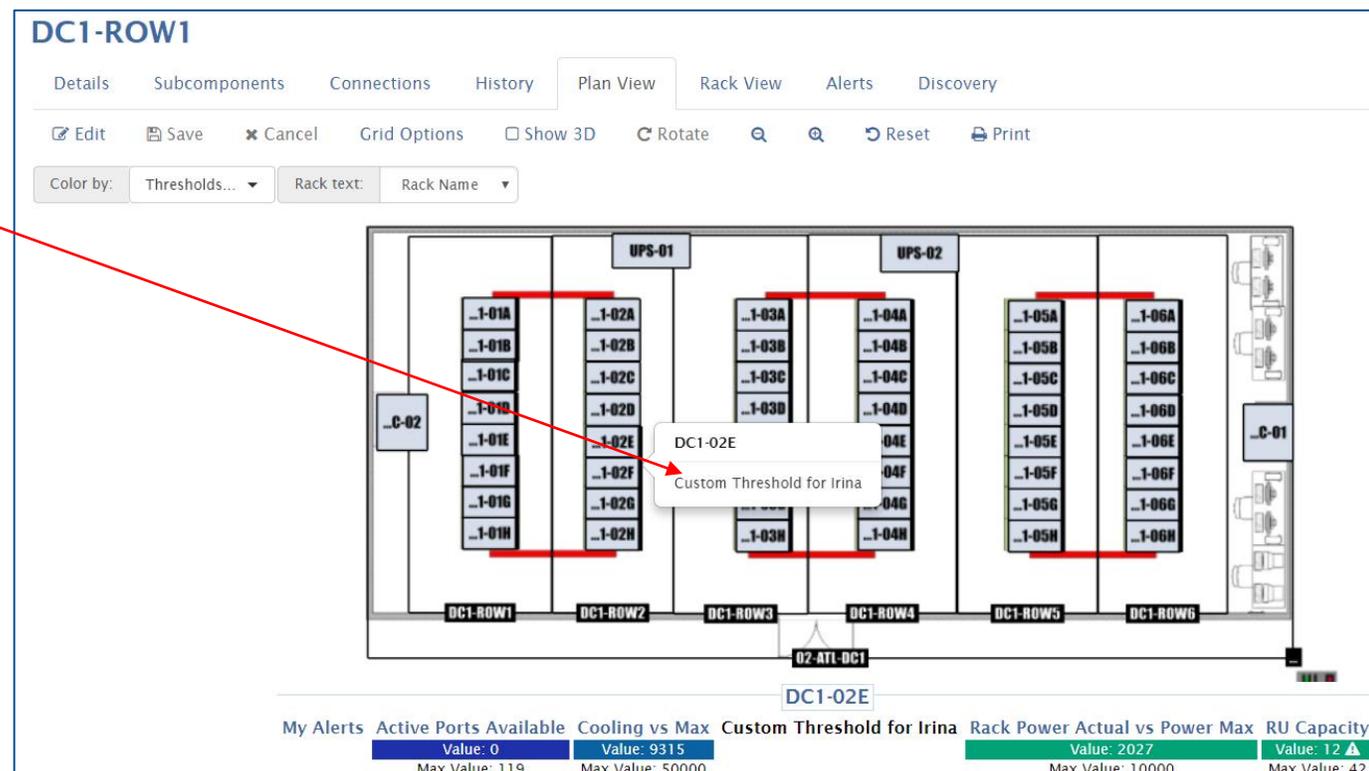
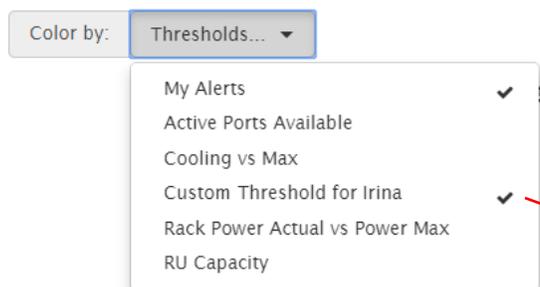
Value Attribute * -- Value Attribute --

Max Value Attribute * -- Max Value Attribute --

[-] Threshold Values

Plan Enhancements – Custom Threshold Alerts Available

- On Plan View tab, you will now see the newly created “Custom Threshold for Irina”. *Again a script will need to be configured and applied to the threshold to capture it’s data alerts.*



Racks and FMD that has or contains a component with an alert for the currently selected Custom Threshold will be colored as follows:

- If the highest priority alert is a warning, the rack is colored **YELLOW**.
- If the highest priority alert is critical, the rack is colored **ORANGE**.
- All Racks and FMD that **do not** have or contain components with the alert will be colored Gray.

Rack View Reminders

- You can also display Device RU positions on the Rack View tab. To activate this option, click OPTIONS on Rack View Tab and select Device RU, then click OK.

DC1-01G

Details Subcomponents Connections History Plan View **Rack View** Alerts Discovery

Edit Save Changes Cancel Changes **Options** Print Zoom: (90%)

Rack: DC1-01G

Active Ports Available	
Value:	35
Max:	108
Cooling vs Max	
Value:	19380
Max:	50000
Rack Power Actual vs Power Max	
Value:	3885
Max:	10000
RU Capacity	
Value:	21
Max:	42

Display Options ×

Rack View:

- Combined Front and Back
- Separate Front and Back
- Rack Images Only

Data Center Name:

Threshold Values:

Image Labels:

Device RU:

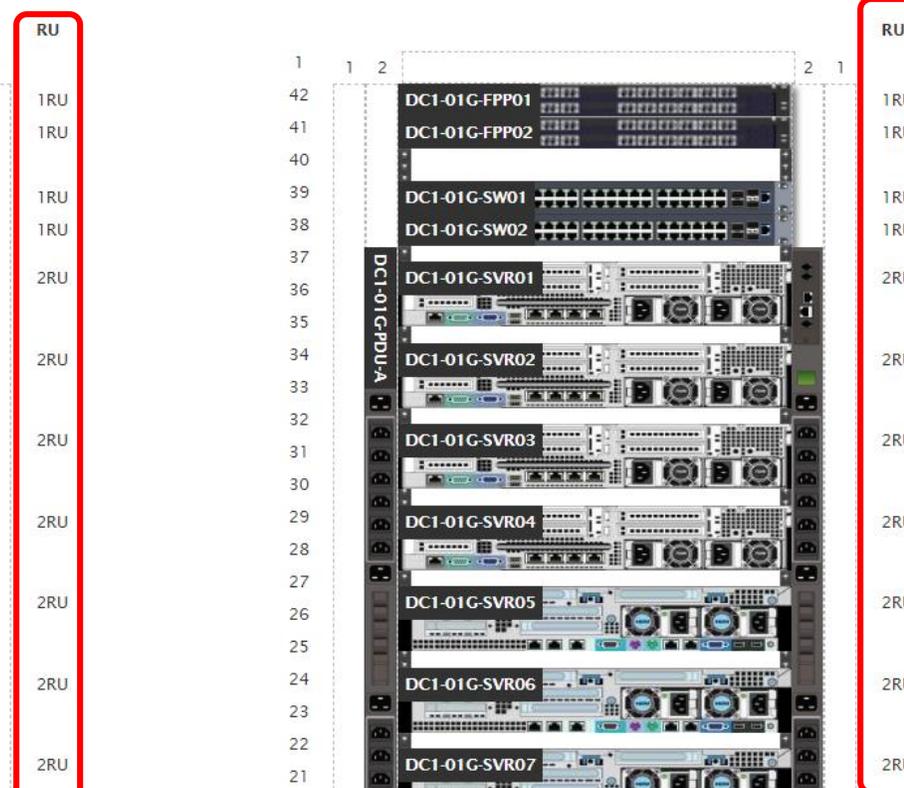
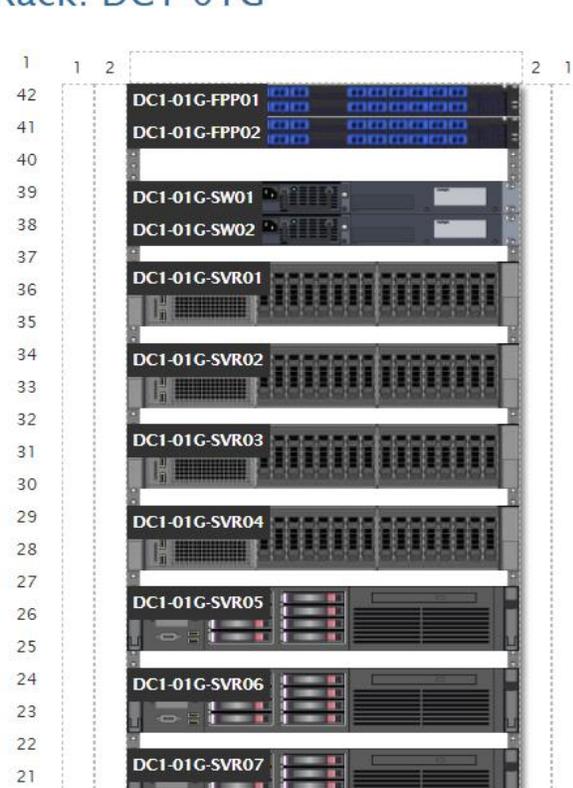
Device Attributes: (Drag to Sort)

+ Add × Delete

OK
Cancel

Rack View Reminders

- The Rack View tab now shows all component's Rack Unit height based on the template used for that component. Rack: DC1-01G



Rack View Reminders

- You can also choose to display up to 3 attributes in a rack in Rack View. In this example we have added Template Type and Manufacturer attributes to the Rack View. To do this go to *Options* in Rack View then click *+Add* under Device Attributes, search for up to 3 attributes to add then click OK. You are able to sort them with the *Drag to Sort* feature. When done, click OK. Results shown below:

The screenshot shows the 'Display Options' dialog box on the left, which is used to configure the Rack View. The 'Device Attributes: (Drag to Sort)' section is highlighted with a red arrow, showing 'Template' and 'Manufacturer' selected. A large red arrow points from this section to the main Rack View on the right.

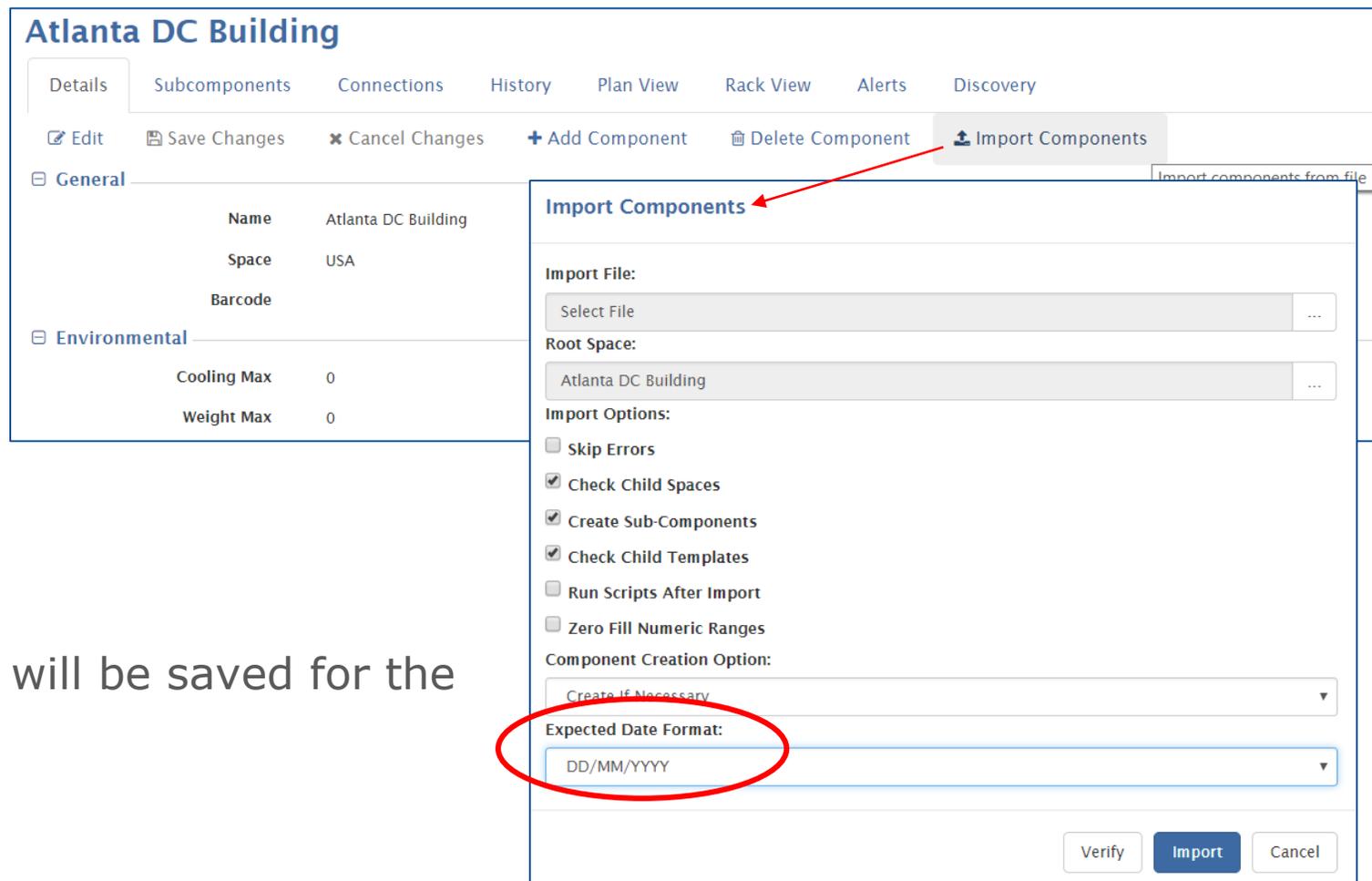
The main Rack View displays a rack of servers for 'Rack: DC1-01G'. The rack is organized into two sections, each with 12 slots (labeled 1 and 2). The servers are as follows:

Slot	Device ID	RU	Template	Manufacturer
42	DC1-01G-FPP01	1RU	MPO Chassis 1U - 3 ...	
41	DC1-01G-FPP02	1RU	MPO Chassis 1U - 3 ...	
40				
39	DC1-01G-SW01	1RU	Avaya VSP 4850GTS	Cisco
38	DC1-01G-SW02	1RU	Avaya VSP 4850GTS	Avaya
37				
36	DC1-01G-SVR01	2RU	Dell PowerEdge R720	Dell
35				
34	DC1-01G-SVR02	2RU	Dell PowerEdge R720	Dell
33				
32	DC1-01G-SVR03	2RU	Dell PowerEdge R720	Dell
31				
30				
29	DC1-01G-SVR04	2RU	Dell PowerEdge R720	Dell
28				
27				
26	DC1-01G-SVR05	2RU	HP ProLiant DL380 G6	HP
25				
24	DC1-01G-SVR06	2RU	HP ProLiant DL380 G6	HP
23				
22				

Enhancement to Importing Screens

- All web import screens now allow for **Date Format Selection!** To discover this enhancement, click on Import Components from the Details tab of the space. The import screen will display. Notice at the bottom, the drop down selector for the following Expected Date Formats:

DD/MM/YYYY
 DD-MM-YYYY
 MM/DD/YYYY
 MM-DD-YYYY
 YYYY/MM/DD
 YYYY-MM-DD
 DD/MM/YY
 MM/DD/YY
 YY/MM/DD



Atlanta DC Building

Details | Subcomponents | Connections | History | Plan View | Rack View | Alerts | Discovery

Edit | Save Changes | Cancel Changes | Add Component | Delete Component | Import Components

General

Name	Atlanta DC Building
Space	USA
Barcode	

Environmental

Cooling Max	0
Weight Max	0

Import Components

Import File: Select File

Root Space: Atlanta DC Building

Import Options:

- Skip Errors
- Check Child Spaces
- Create Sub-Components
- Check Child Templates
- Run Scripts After Import
- Zero Fill Numeric Ranges

Component Creation Option: Create If Necessary

Expected Date Format: DD/MM/YYYY

Verify | Import | Cancel

*The selected date format will be saved for the entire session.

Enhancement – Forget Decisions

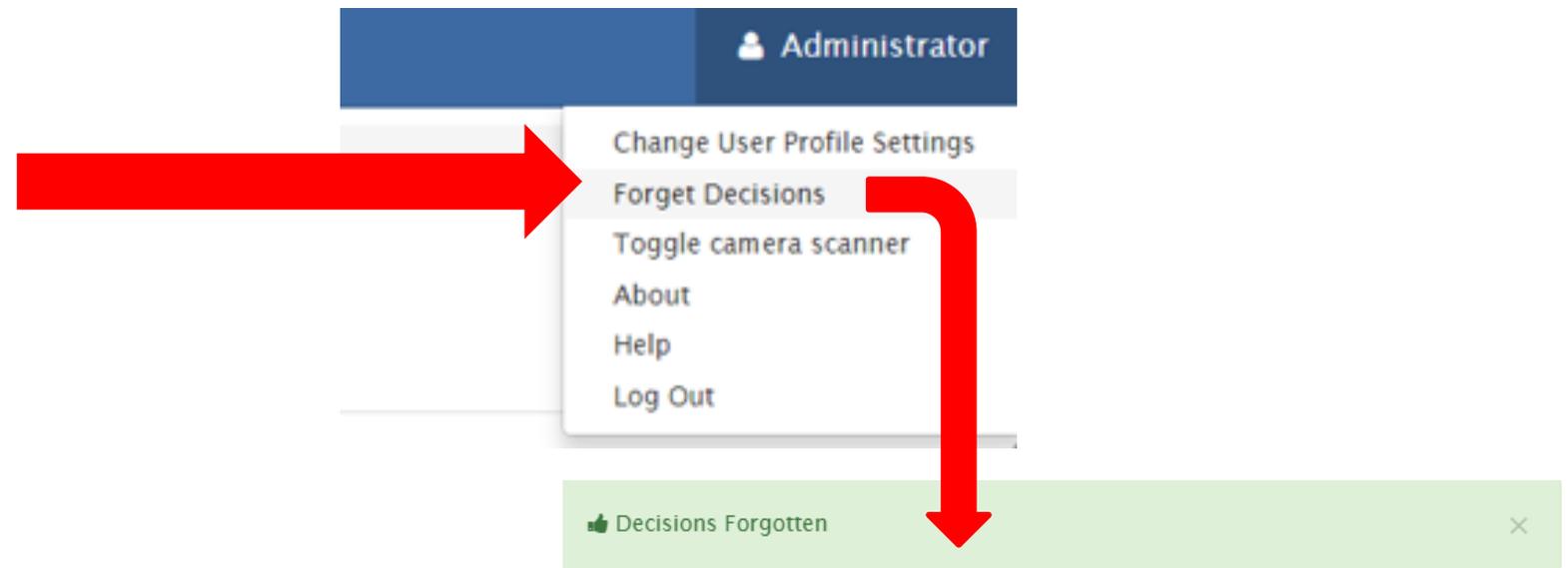
- We have added many "Remember Decision?" prompts attached to the users login name when performing an action. In v9.4 we have included the option to **Forget Decisions** under the User Name at the far right of the Cormant-CS web screen. Taking this action to forget decisions can be especially useful for multiple scan-and-connect decisions where remember decisions can be both very helpful and very dangerous.
- After clicking on the **Forget Decisions** menu item, any confirmation prompts which had previously been remembered (by checking the "Remember?" checkbox) will appear again the next time that they should be encountered

Confirmation Required

Not all components can support application '100 Base TX'

Do you wish to continue?

Remember?



Improved Reporting Features – Pie Charts

- In the Reports Module, a user can now run a report and choose to display results as a **Pie Chart** (in addition to the Bar Chart previously existing display option). *This is also true on the Dashboard Widget display for Custom Reports. [\(See Slide 44\)](#)

Chargeback by RU

Show Details Show Bar Chart **Show Pie Chart** Refresh Export PDF Portrait

Name	Template	Equipment Owner	Unit Height
Equipment Owner: None			Sum: 126
Equipment Owner: Finance			Sum: 116
Equipment Owner: HR			Sum: 272
Equipment Owner: IT			Sum: 8
Equipment Owner: Marketing			Sum: 58
Equipment Owner: Operations			Sum: 172
Equipment Owner: Sales			Sum: 100
Grand Totals			Total Sum: 852

Page 1 of 1 Rows 10

OK

Chargeback Report

Show Details Show Bar Chart **Show Pie Chart** Refresh Export PNG

None Finance HR Marketing Operations Sales

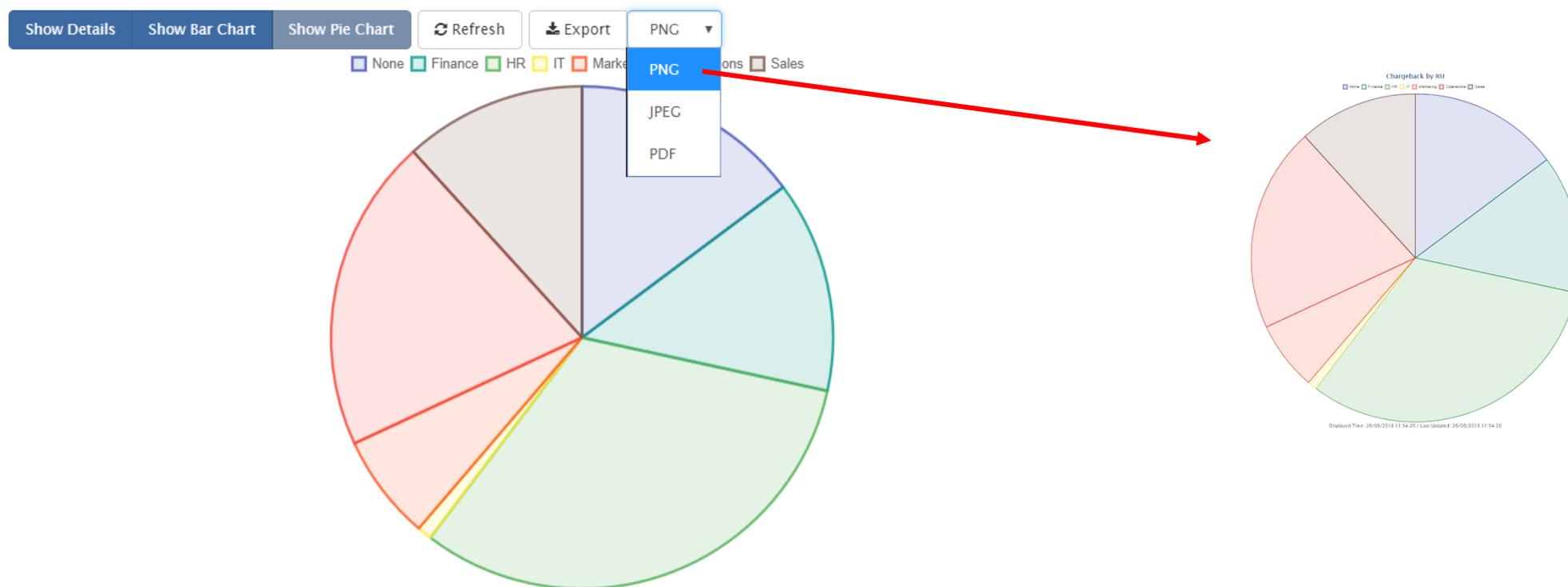
Displayed Time: 26/06/2018 09:42:51
Last Updated: 26/06/2018 09:42:51

OK

Improved Reporting Features – Export Formats

- The Export feature of run Reports when Showing Pie Chart results includes additional export format options as shown below. The user can now select from PNG, JPEG or PDF formats. These enhancements offer a more professional graphical export functionality for presentations to management.
 - PNG – Allows for transparency of background on the pie chart image

Chargeback by RU



Improved Reporting Features – OnRun Filter

- You can now configure Custom Reports and Scheduled Reports to prompt you to add filter values when triggering the report to RUN. We call this feature **OnRun** within the Reports module.
 - To configure a Custom Report to prompt you for filter values at the time you Run a report, you will need to activate the OnRun feature in the Custom Report, as shown below in this example.
 - Click Save, then click RUN
 - *Please note Caching cannot be enabled if the report has OnRun filters set.*

Chargeback Report

Run Edit Save Cancel + Add Report + Add Folder Delete

Report Details

Name	<input type="text" value="Chargeback Report"/>	Report Title	<input type="text" value="Chargeback Report"/>
Report Folder	<input type="text" value="Asset Reports"/>	Caching Enabled	<input type="checkbox"/> (Caching can't be enabled if the report has On Run filters)
Report Type	<input type="text" value="Normal Report"/>		

Filters

Join	Attribute	Comparison	Value	On Run
Where	Space ...	Includes	+ ...	<input checked="" type="checkbox"/>
And	Space ...	Not Equals	02-Atlanta-DC1 CMDB -	<input type="checkbox"/>
And	Template ...	Includes	Network Equipment - Server Equipment - Storage Equipment - +	<input type="checkbox"/>

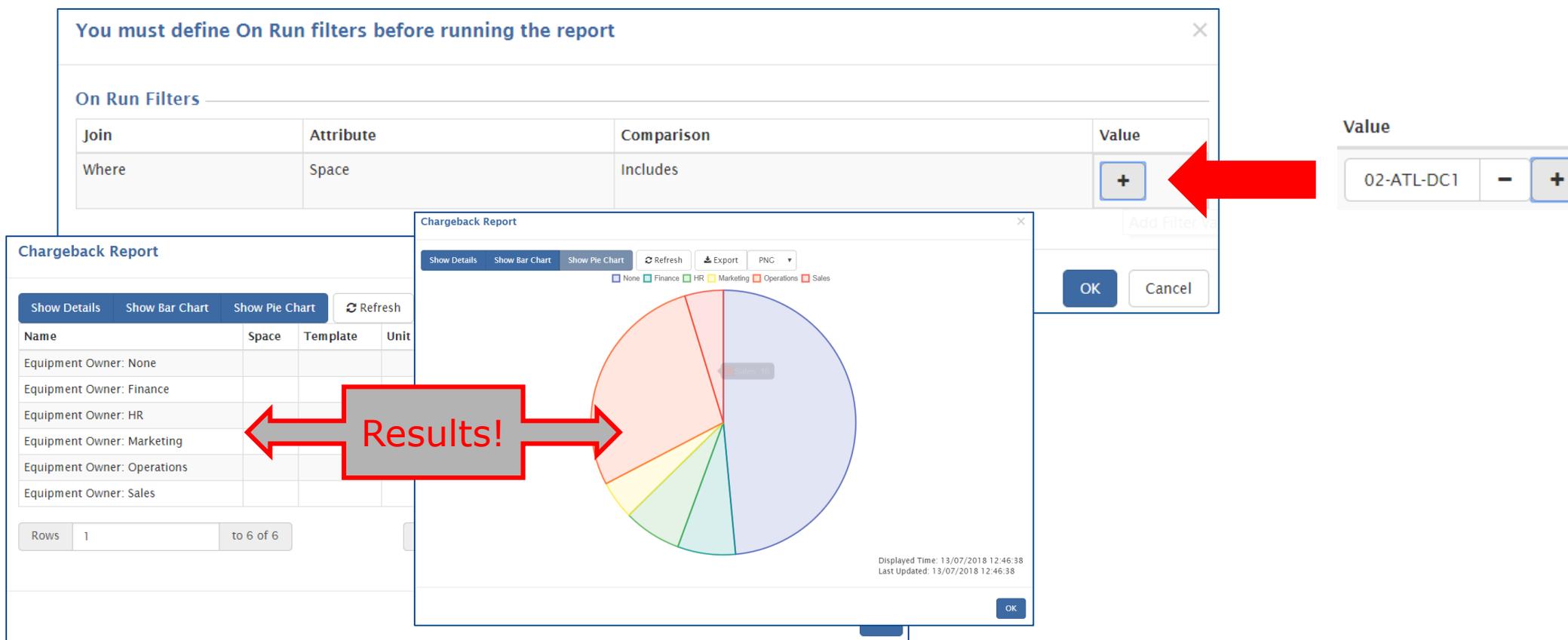


So WHY did Cormant design this feature?

- ✓ Being able to schedule an existing report and adding the necessary filters at run time reduces the # of reports being generated = **EFFICIENT**
- ✓ Guarantees the same report is being run every time. = **STANDARDIZED & RELIABLE**

Improved Reporting Features – On Run Filter

- If /When **OnRun** filters are set, a popup dialog will display requiring you to define the OnRun filters before running the report.
- Once OnRun filters are defined by selecting the “+” and adding those values, click OK.
- The report will run accordingly and display the resulting data.



The image shows a workflow for applying filters to a report. A dialog box titled "You must define On Run filters before running the report" is open. It contains a table for defining filters:

Join	Attribute	Comparison	Value
Where	Space	Includes	<input type="button" value="+"/>

A red arrow points from the "+" button in the "Value" column to a separate "Value" input field containing "02-ATL-DC1" and a "+" button. Below the dialog, a "Chargeback Report" window is shown. It features a table with columns "Name", "Space", "Template", and "Unit". The table lists equipment owners: None, Finance, HR, Marketing, Operations, and Sales. A pie chart is overlaid on the table, with a red arrow pointing from a box labeled "Results!" to the chart. The pie chart is divided into segments corresponding to the equipment owners. The "None" category is the largest, followed by "Operations", "Marketing", "Finance", "HR", and "Sales".

Improved Reporting Features – On Run Filter

- The OnRun feature is similar when configuring Scheduled Reports
 - To configure a Scheduled report and incorporating the OnRun feature, go to New Scheduled Report, then click Edit.
 - Select the Report from the dropdown menu you would like to set a schedule for.
 - The OnRun Filters option will now appear and you can set the filter values as desired, as well as the report schedule, then click Save.

New Scheduled Report

Details

Run Edit Save Cancel + Add Report Delete

Report Details

Reporting Type	Archive	File Name / Attachment	<input type="text"/>
Scheduled Report	Chargeback Report	Output File Location	<input type="text"/>
Schedule Name	New Scheduled Report	File Format	CSV
<input type="checkbox"/> Enabled		Last Updated By	Administrator

Note: The folder must be accessible on the Server

On Run Filters

Join	Attribute	Comparison	Value
Where	Space	Includes	+

Report Schedule

Occurs	Weekly		
Every	1	Week(s)	
On	<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday		

New Dashboard Widgets and Improved Features

➤ Cormant-CS Dashboard has improved existing features on the Floor Plan configuration widget, added pie graph displays to Custom Reports Widget and has added 4 brand new dashboard widgets to its list of offerings. These new widgets are:

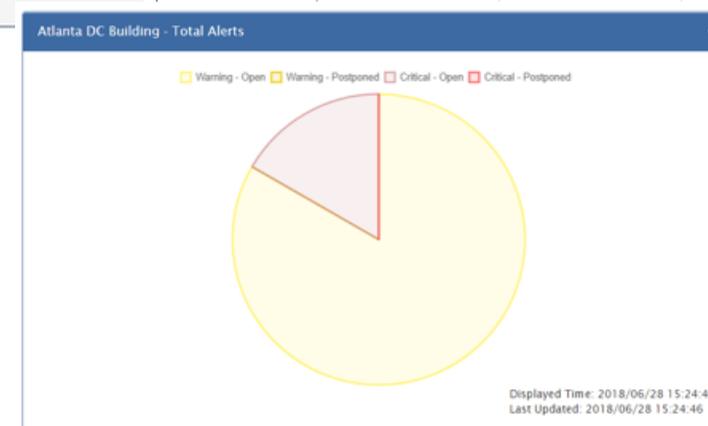
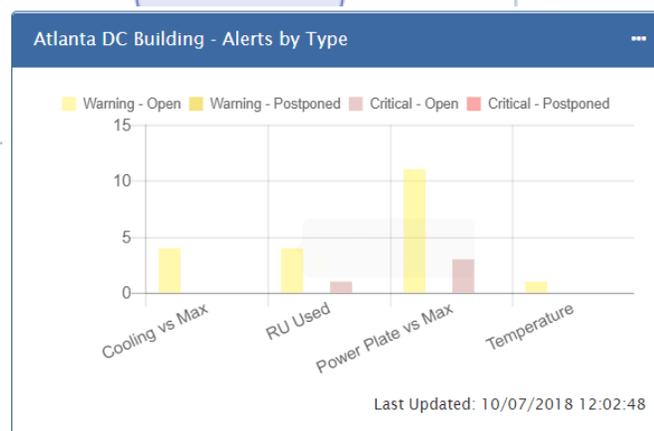
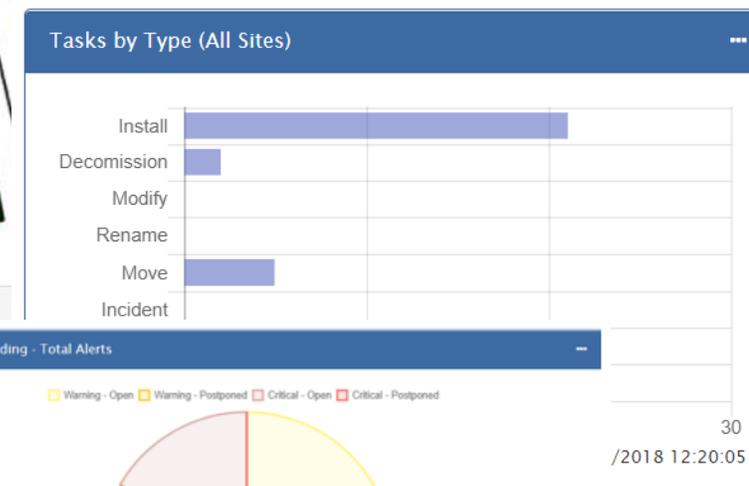
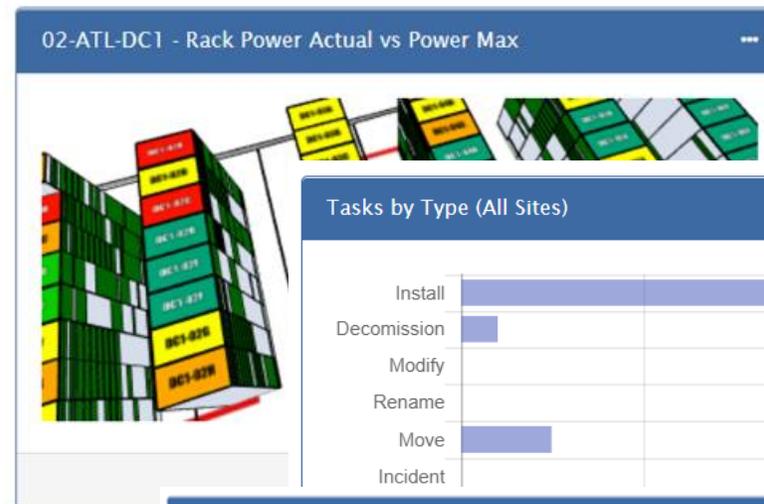
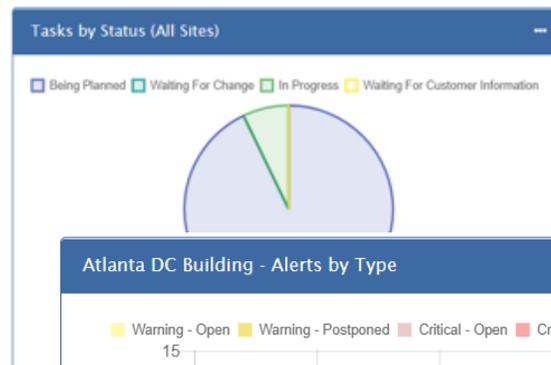
- ALERTS (MY ALERTS) Widget
- ALERTS SUMMARY Widget
- WORKFLOW (MY TASKS) Widget
- WORKFLOW SUMMARY Widget

My Alerts - Assigned within 60 Days - Shown/Total: 6/6

Open
 Postponed
 Warning
 Critical

Assigned Date	Rack/Device	Description
<1m ago	DC1-01B	Threshold Exceeded: Rack Power Actual vs Power Max (7619 W / 6300 W)
<1m ago	DC1-01A	Threshold Exceeded: Cooling vs Max (36497 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: Cooling vs Max (36748 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: RU Used (35 / 31.5)
<1m ago	DC1-01B	Threshold Exceeded: Power Plate vs Max (9270 W / 8820 W)
<1m ago	DC1-02A	Threshold Exceeded: RU Used (36 / 35.7)

Last Updated: 10/07/2018 11:37:33



Plan Enhancements on Dashboard

- The Floor Plan dashboard widget has a new multi-select threshold dropdown for displaying the plan view with multi color coded threshold alerts. Just select, **Coloring** dropdown and select up to 4 thresholds you would like to display on your floor plan widget.
- You can also customize the **Text** on each rack in the floor plan widget using the selection options under Text dropdown. Options include
 - *None* – shows no data on racks, only color coding for thresholds
 - *Rack Name* – displays the Rack Name on each rack
 - *Rack Info* - displays the threshold

Plan View

Component: 02-ATL-DC1

Coloring: Thresholds...

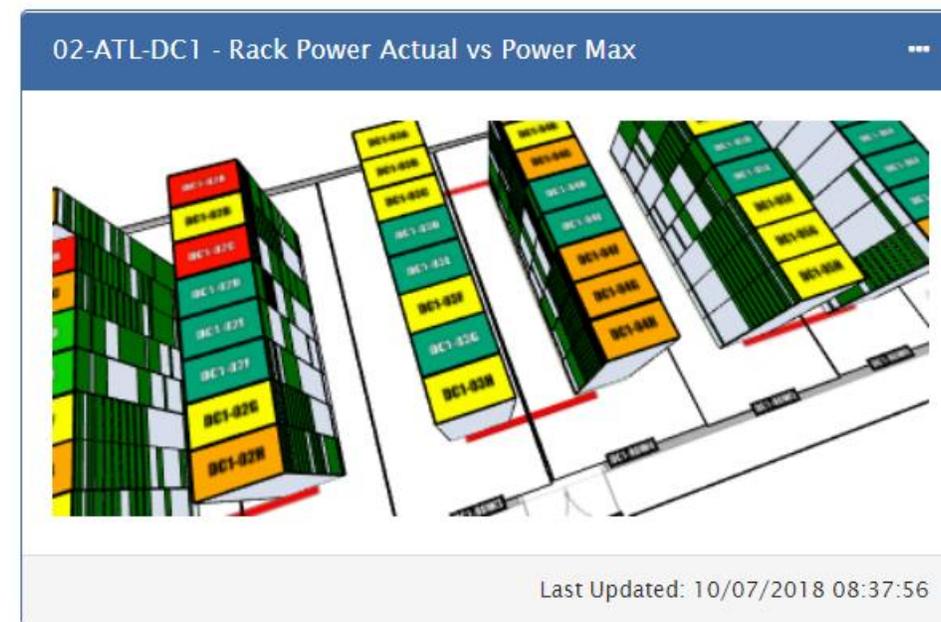
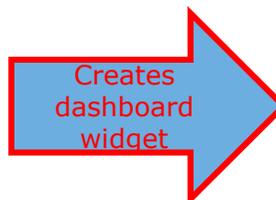
Text: My Alerts, Cooling vs Max, Power Plate vs Max, Rack A side AMPS Used, Rack B side AMPS Used, Rack Power Actual vs Power Max, RF Code Temperature, RU Used, Temperature

Grid Pixel Spacing (cm):

Refresh Interval: 5

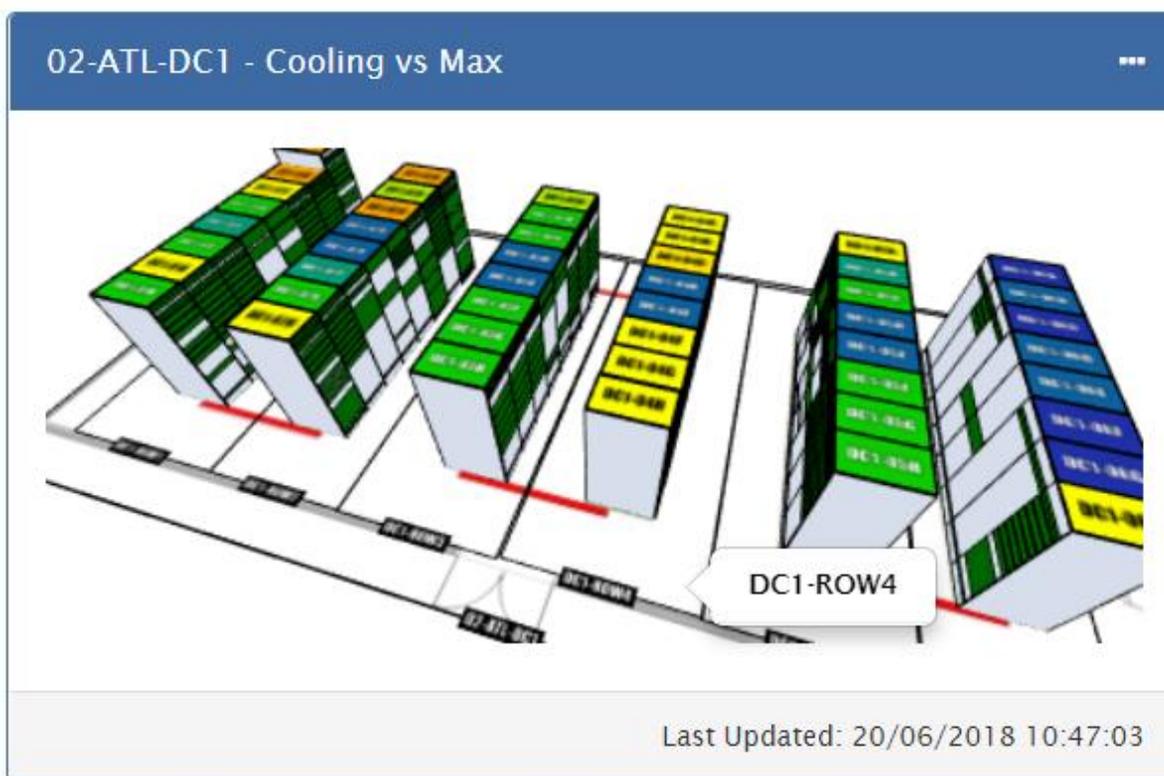
Automatically refresh every 5 minutes

Save Cancel



Plan Enhancements on Dashboard

- Plan View widget will now hold zoom and save that zoom level where you last left off.
NOTE: Storage of the Zoom is on a Per Plan basis and will last across sessions.



New Dashboard Widget Feature

- When adding a new Custom Report Widget to your Dashboard, there is now an added feature in the dropdown menu to select the display of the data as a Pie Chart, in addition to the Bar or Stacked Bar Graphic display. See configuration options/results below:

Assets Count by Manufacturer

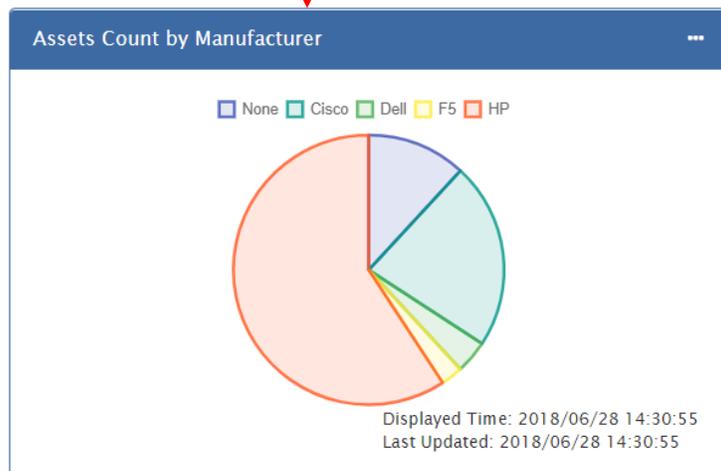
Report: Assets Count by Manufacturer

Chart: **Pie**

Display Legend:

Refresh Interval: 5
Automatically refresh every 5 minutes

Save Cancel



Assets Count by Manufacturer

Report: Assets Count by Manufacturer

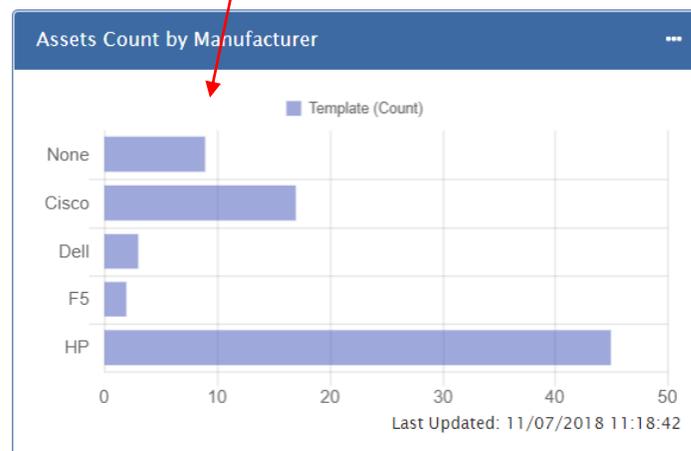
Chart: **Bar**

Orientation: Horizontal Vertical

Display Legend:

Refresh Interval: 5
Automatically refresh every 5 minutes

Save Cancel



Assets Count by Manufacturer

Report: Assets Count by Manufacturer

Chart: **Bar**

Orientation: Horizontal Vertical

Display Legend:

Refresh Interval: 5
Automatically refresh every 5 minutes

Save Cancel



New Dashboard Widgets - Alerts

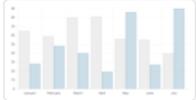
- We have added two new ALERTS widgets to the Dashboard *Add Widget* menu
 - ALERTS (MY ALERTS)
 - ALERTS SUMMARY

Add Widget ✕



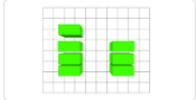
Historical Report
Displays a historical report as a line chart.

Add



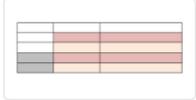
Custom Report
Displays a custom report as a bar chart.

Add



Plan View
Displays a plan view of a space in 2D or 3D.

Add



Alerts
Displays a list of alerts assigned to the current user.

Add



Alerts Summary
Displays a summary of existing alerts as a chart.

Add

My Alerts - Assigned within 60 Days - Shown/Total: 1/1 ⋮

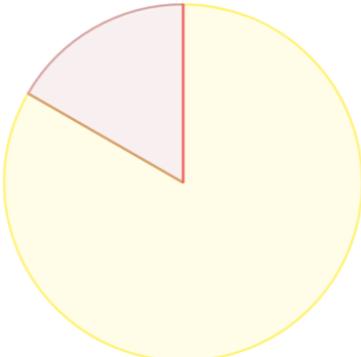
Open
 Postponed
 Warning
 Critical

Assigned Date	Rack/Device	Description
22d 23h 12m ago	DC1-02C	Threshold Exceeded: Rack Power Actual vs Power Max (7391 W / 6650 W)

Last Updated: 2018/06/28 14:35:59

Atlanta DC Building - Total Alerts ⋮

■ Warning - Open
 ■ Warning - Postponed
 ■ Critical - Open
 ■ Critical - Postponed



Displayed Time: 2018/06/28 15:24:46
 Last Updated: 2018/06/28 15:24:46

New Dashboard Widgets – My Alerts Widget

- **ALERTS (MY ALERTS) Widget** displays a list of alerts assigned to the current user. NOTE: The user must first create a subscription to each alert type in order for ALERTS (My Alerts) Widget to display all subscribed-to alerts within the date parameters assigned.
 - To configure the Alerts (My Alerts Widget), enter the parameters for which you would like to report your Alerts, then click SAVE.
 - Once the Alerts (My Alerts) Widget has been created, your My Alerts Widget will display on your Dashboard, as shown below:

My Alerts ⋮

Assigned in the last: Day(s) ▼

Max Rows: ▼

Order: ▼

Refresh Interval:

Automatically refresh every 5 minutes

Last Updated: 10/07/2018 11:33:53



My Alerts - Assigned within 60 Days - Shown/Total: 6/6 ⋮

Open
 Postponed
 Warning
 Critical

Assigned Date	Rack/Device	Description
<1m ago	DC1-01B	Threshold Exceeded: Rack Power Actual vs Power Max (7619 W / 6300 W)
<1m ago	DC1-01A	Threshold Exceeded: Cooling vs Max (36497 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: Cooling vs Max (36748 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: RU Used (35 / 31.5)
<1m ago	DC1-01B	Threshold Exceeded: Power Plate vs Max (9270 W / 8820 W)
<1m ago	DC1-02A	Threshold Exceeded: RU Used (36 / 35.7)

Last Updated: 10/07/2018 11:37:33

New Dashboard Widgets - My Alerts Widget

➤ The **Alerts (My Alerts) Widget** consists of 4 Alert Types, broken into 2 subcategories of *Status* and *Criticality* as follows:

STATUS

- OPEN
- POSTPONED

CRITICALITY

- WARNING
- CRITICAL

STATUS color coding references the Assigned Date column in the My Alerts widget

 Open A Status = **OPEN** indicates the Alert has been assigned and awaits action.

 Postponed A Status = **POSTPONED** indicates the Alert has been Postponed

CRITICALITY color coding refers to the Threshold settings of the alert itself.

 Warning A Criticality = **WARNING** indicates the alert is in the warning percentage threshold value of that alert as set in the configuration of that threshold in the Alerts Tab >> Thresholds.

 Critical A Criticality = **CRITICAL** indicates the alerts has hit the critical percentage threshold value of that alert as set in the configuration of that threshold in the Alerts Tab >>Thresholds.

In the example to the right, notice there are 5 OPEN Status alerts (as shown in white) and 1 Alert that has been POSTPONED (as shown in grey). There are 4 Alerts in WARNING Criticality (as shown in pale yellow) and 2 alerts that are in Critical status (as shown in pink) and need immediate attention.



My Alerts - Assigned within 60 Days - Shown/Total: 6/6

Open
 Postponed
 Warning
 Critical

Assigned Date	Rack/Device	Description
<1 m ago (12/07/2018 21:15:43)	DC1-01B	Threshold Exceeded: Rack Power Actual vs Power Max (7619 W / 6300 W)
<1 m ago	DC1-01A	Threshold Exceeded: Cooling vs Max (36497 / 35000)
<1 m ago	DC1-01B	Threshold Exceeded: Cooling vs Max (36748 / 35000)
<1 m ago	DC1-01B	Threshold Exceeded: RU Used (35 / 31.5)
<1 m ago	DC1-01B	Threshold Exceeded: Power Plate vs Max (9270 W / 8820 W)
<1 m ago	DC1-02A	Threshold Exceeded: RU Used (36 / 35.7)

Last Updated: 10/07/2018 14:16:07

New Dashboard Widgets – My Alerts Widget

➤ Clicking on the **Rack/Device** link will send you directly to the ALERTS tab of that device. From here the user can see all details of alerts for that device, including status, priorities, data center and a description of the alert itself, along with the assigned user and postponement date, if applicable.

My Alerts - Assigned within 60 Days - Shown/Total: 6/6

Open
 Postponed
 Warning
 Critical

Assigned Date	Rack/Device	Description
<1m ago	DC1-01B	Threshold Exceeded: Rack Power Actual vs Power Max (7619 W / 6300 W)
<1m ago	DC1-01A	Threshold Exceeded: Cooling vs Max (36497 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: Cooling vs Max (36748 / 35000)
<1m ago	DC1-01B	Threshold Exceeded: RU Used (35 / 31.5)
<1m ago	DC1-01B	Threshold Exceeded: Power Plate vs Max (9270 W / 8820 W)
<1m ago	DC1-02A	Threshold Exceeded: RU Used (36 / 35.7)

Last Updated: 10/07/2018 11:37:33

DC1-01B

[Details](#)
[Subcomponents](#)
[Connections](#)
[History](#)
[Plan View](#)
[Rack View](#)
[Alerts](#)
[Discovery](#)

Filter Options

Assigned:
Status: Open Postponed Resolved
 Priority: Warning Critical
 Subscription:

Threshold:

Date Created	Status	Priority	Data Center	Rack/Device	Description	Value	Assigned User	Postponed Until
28/05/2018 13:37:49	Open	Warning	02-ATL-DC1	DC1-01B	Threshold Exceeded: Rack Power Actual vs Power Max	7619 W	Irina Astrom	
28/05/2018 13:37:49	Open	Warning	02-ATL-DC1	DC1-01B	Threshold Exceeded: Cooling vs Max	36748	Irina Astrom	
28/05/2018 13:37:50	Open	Warning	02-ATL-DC1	DC1-01B	Threshold Exceeded: RU Used	35	Irina Astrom	
28/05/2018 13:37:50	Open	Critical	02-ATL-DC1	DC1-01B	Threshold Exceeded: Power Plate vs Max	9270 W	Irina Astrom	

Page 1 of 1

Rows 5

1

New Dashboard Widgets – Alerts Summary Widget

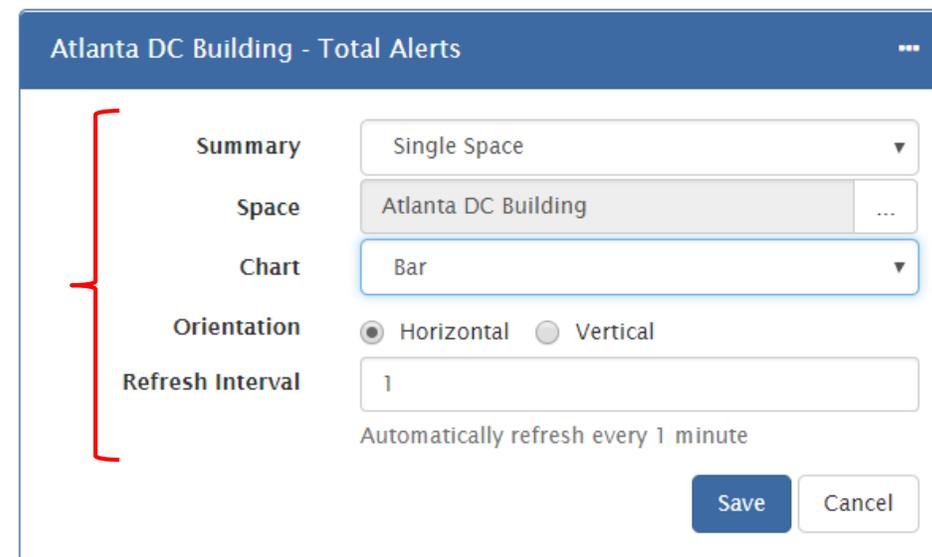
- **ALERTS SUMMARY Widget** displays a summary of all existing alerts as a chart (Pie Chart, Bar or Stacked Bar). This is an excellent management tool for a NOC and senior managers specifically, as a user can easily view all alerts for a single space or a number of sites/buildings associated to their data centers. *Examples of configuration/results on next slide.

- To Configure the Alerts Summary Widget, you will need to determine the following parameters:

- **SUMMARY** – Do you want to summarize the displayed data for a *Single Space*, *Child Spaces* or *Alert Types*?

Note: Both Single Space and Child Spaces will show ALL alerts that exist on the selected space. The main difference is on how each display the data. Alert Types will show a summary of alerts by alert type.

- **Single Space:** groups alerts by *Status* (Warning or Critical).
 - **Child Space:** groups alerts according to the *Group Level Options*:
 - **Direct Child:** groups by the *first level children of the selected space*.
 - **Site:** groups alerts by *Site*
 - **Datacenter:** groups alerts by *Datacenter*
 - **SPACE** – What Space in the asset tree will the widget be Summarizing Alerts for?
 - **CHART** – What type of chart do you want to display the data called for?
 - Bar Chart, Stacked Bar or Pie Chart
 - **ORIENTATION**- Will the Alerts Summary display Horizontally or Vertically?
 - **REFRESH INTERVAL** – How often (in minutes) would you like the widget to refresh data?



The screenshot shows a configuration window titled "Atlanta DC Building - Total Alerts". A red bracket on the left side groups the following settings:

- Summary:** A dropdown menu set to "Single Space".
- Space:** A dropdown menu set to "Atlanta DC Building".
- Chart:** A dropdown menu set to "Bar".
- Orientation:** Radio buttons for "Horizontal" (selected) and "Vertical".
- Refresh Interval:** A text input field containing "1", with the text "Automatically refresh every 1 minute" below it.

At the bottom right, there are "Save" and "Cancel" buttons.

New Dashboard Widgets – Alerts Summary Widget

- **ALERTS SUMMARY Widget** Single Space and Alert Type Configuration/Results examples shown below:

Atlanta DC Building - Total Alerts

Summary Single Space

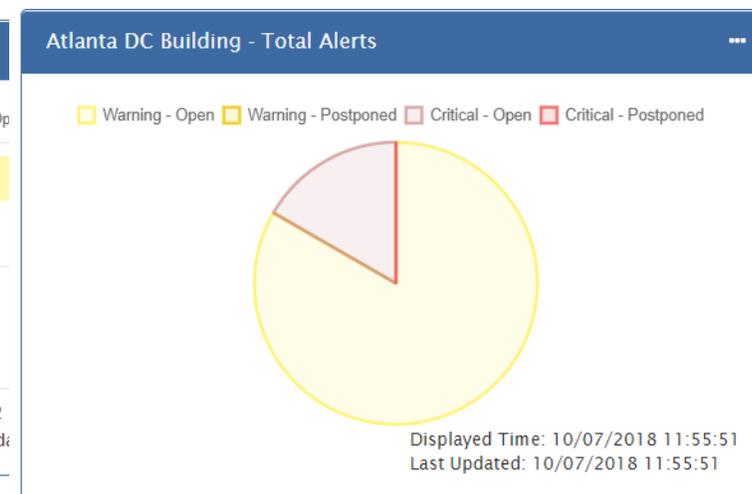
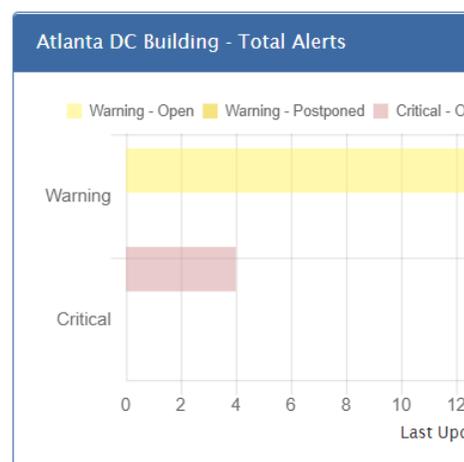
Space Atlanta DC Building

Chart Bar

Orientation Horizontal Vertical

Refresh Interval 1
Automatically refresh every 1 minute

Save Cancel



Alerts Summary

Summary Alert Type

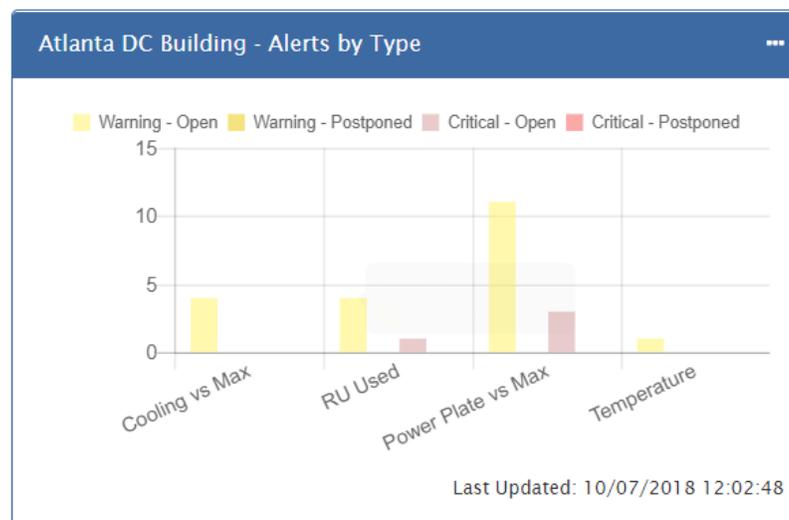
Space Atlanta DC Building

Chart Bar

Orientation Horizontal Vertical

Refresh Interval 5
Automatically refresh every 5 minutes

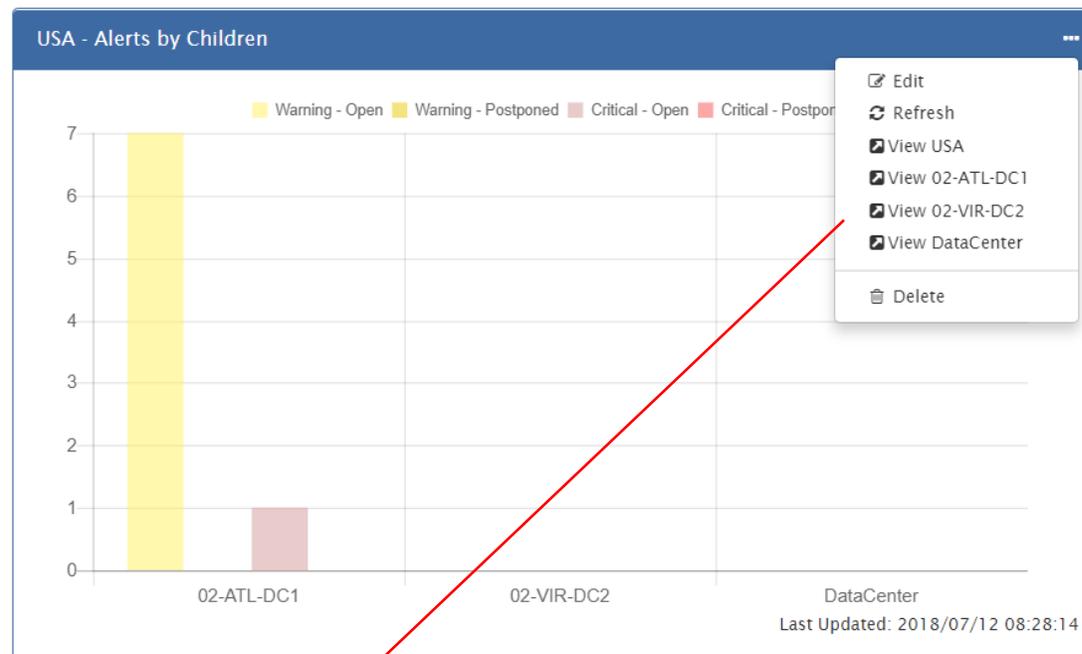
Save Cancel



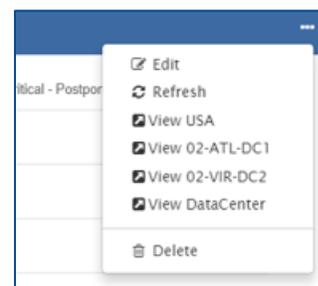
New Dashboard Widgets – Alerts Summary Widget

➤ **ALERTS SUMMARY Widget** for Child Spaces Configuration/Results example shown below:

*Space changed from ATL Data Center to USA



➤ *Cool Feature Alert!* Clicking on the “...” in the upper right hand corner of these widgets will offer a dropdown menu not only to edit, refresh or delete the widget but it also provides clickable links to all the Group Level Options selected for the data display (In this example, all datacenters).



New Dashboard Widgets - Workflow

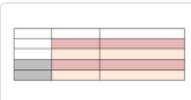
- We have added two new WORKFLOW widgets to the Dashboard *Add Widget* menu
 - WORKFLOW (MY TASKS)
 - WORKFLOW SUMMARY

Add Widget ✕



Plan View
Displays a plan view of a space in 2D or 3D.

Add



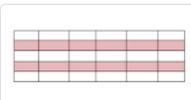
Alerts
Displays a list of alerts assigned to the current user.

Add



Alerts Summary
Displays a summary of existing alerts as a chart.

Add



Workflow
Displays a list of tasks assigned to the current user.

Add



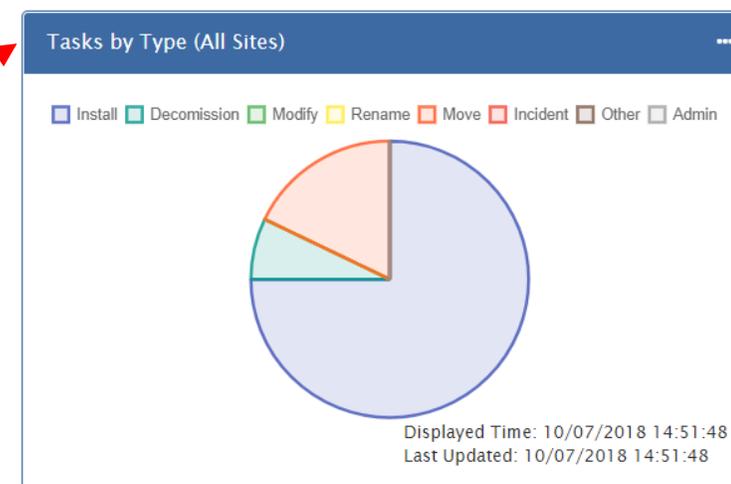
Workflow Summary
Displays visual summaries of tasks for particular area(s) (Queue).

Add

My Assigned Tasks - BP - Shown/Total: 3/3 ⋮

Task Reference	Scheduled Date	Task Type	Status	Device Nam
000007-0001		Install	Being Planned	DCIM-SRV
000001-0003		Move	Being Planned	DL380 HD
000003-0002		Install	Being Planned	

Last Updated: 10/07/2018 14:50:54



New Dashboard Widgets – My Tasks Widget

- **WORKFLOW (MY TASKS) Widget**– Workflow has the concept of orders and tasks, where an Order is something that needs an action (e.g. a project or an incident), which is then divided into tasks (e.g. install a server, decommission an equipment, etc). This widget displays a list of tasks assigned to the current user.
 - To configure the WORKFLOW (My Tasks) Widget, enter the parameters for which you would like to report your task assignments:
 - **User Type** – Determine which user type you would like to report workflow tasks on. Assigned Operator or Customer?
 - **Assigned Operator** - Person designated to perform the task
 - **Customer** – Person who requested the order (typically internal customer)
 - Once the WORKFLOW (My Tasks) Widget has been created, your My Tasks Widget will display on your Dashboard, as shown below:

My Tasks ⋮

User Type Assigned Operator ▼

Task Status Being Planned
 Waiting For Change
 In Progress
 Waiting Customer Information

Max Rows 10 ▼

Order Newest First ▼

Refresh Interval 1
Automatically refresh every 1 minute

Save Cancel



My Assigned Tasks - BP - Shown/Total: 3/3 ⋮

Task Reference	Scheduled Date	Task Type	Status	Device Nam
000007-0001		Install	Being Planned	DCIM-SRV
000001-0003		Move	Being Planned	DL380 HD
000003-0002		Install	Being Planned	

⏪

⏩

New Dashboard Widgets – My Tasks Widget

- Clicking on any **Task Reference** link will send you directly to that Task in the WORKFLOW module. From here the user can see all details of the task assigned to them, including Order Details, Task Details, Device Details, and more..

My Assigned Tasks - BP - Shown/Total: 3/3

Task Reference	Scheduled Date	Task Type	Status	Device Nam
000007-0001		Install	Being Planned	DCIM-SRV
000001-0003		Move	Being Planned	DL380 HD
000003-0002		Install	Being Planned	

Last Updated: 10/07/2018 14:45:34

Deploy DCIM Server

Task: 000007-0001 Device: DCIM-SRV, Destination: 02-ATL-DC1\DC1-ROW5\DC1-05C

[Edit](#)
[Save Changes](#)
[Cancel Changes](#)
[Add Task](#)
[Mark Complete](#)
[Export](#)

[Order Details](#)
[Task Details](#)
[Device Details](#)
[Subcomponents Details](#)
[Provisioning](#)
[Activity](#)
[Shipping](#)

Order Details

Order ID	000007	Order Name	Deploy DCIM Server
Order Status	Active	CAPT #	
Service Now Link		EMP Request ID	
Business Area		Project Code	Planning Asset Location
Customer	Brad Beamish - ADMIN	Incident Number	
Completion Date Time		IDMD #	
Update Date Time	10/07/2018	Create Date Time	03/06/2016
Update Username	Brad Beamish - ADMIN	Create Username	Brad Beamish - ADMIN

Description

No description provided

New Dashboard Widgets – Workflow Summary Widget

- **WORKFLOW SUMMARY widget** - Displays visual summaries of tasks for particular area(s) in a queue.
- To Configure the Workflow Summary Widget, you will need to determine the following parameters:
 - **QUEUE** – What Site (or all sites) do you want to report workflow summary on?
 - **SUMMARY** – How do you want the results to be summarized? By Task Type or by Workflow Assignment Status?
 - **CHART** - What type of chart do you want to display the data called for?
 - Bar Chart, Stacked Bar or Pie Chart
 - **ORIENTATION**- Will the Alerts Summary display Horizontally or Vertically?
 - **REFRESH INTERVAL** – How often (in minutes) would you like the widget to refresh data?

Workflow Summary ⋮

Queue ▼
All Sites

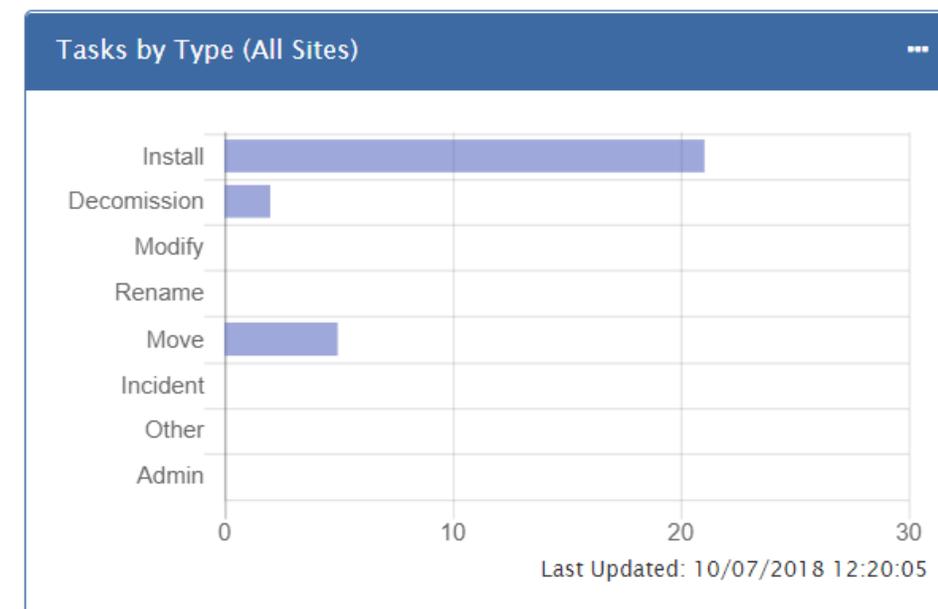
Summary ▼
Task Type

Chart ▼
Bar

Orientation
 Horizontal Vertical

Refresh Interval 0
Refresh disabled.

Save
Cancel



New Dashboard Widgets – Workflow Summary Widget

WORKFLOW SUMMARY widget display examples

Workflow Summary
⋮

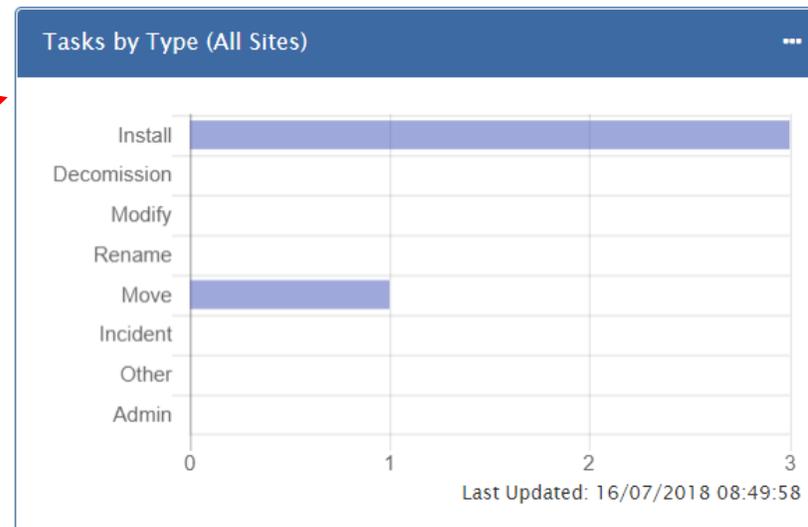
Queue

Summary

Chart

Orientation Horizontal Vertical

Refresh Interval
Refresh disabled.



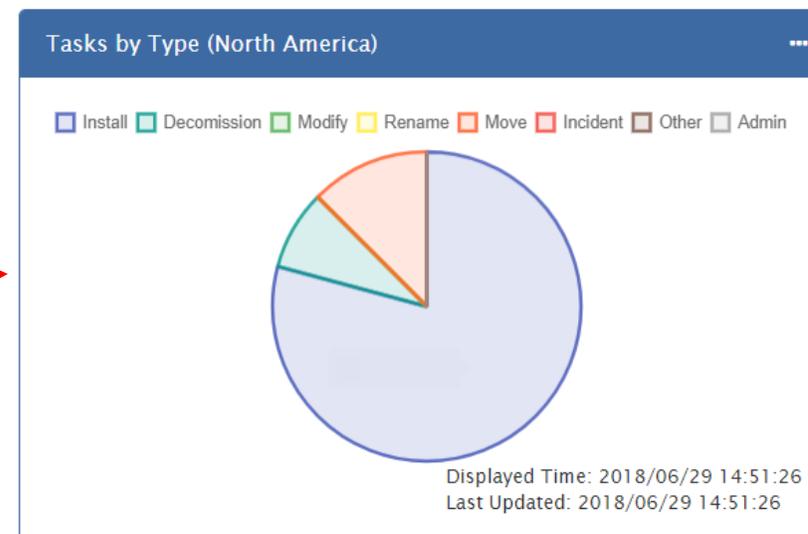
Tasks by Type (North America)
⋮

Queue

Summary

Chart

Refresh Interval
Automatically refresh every 5 minutes



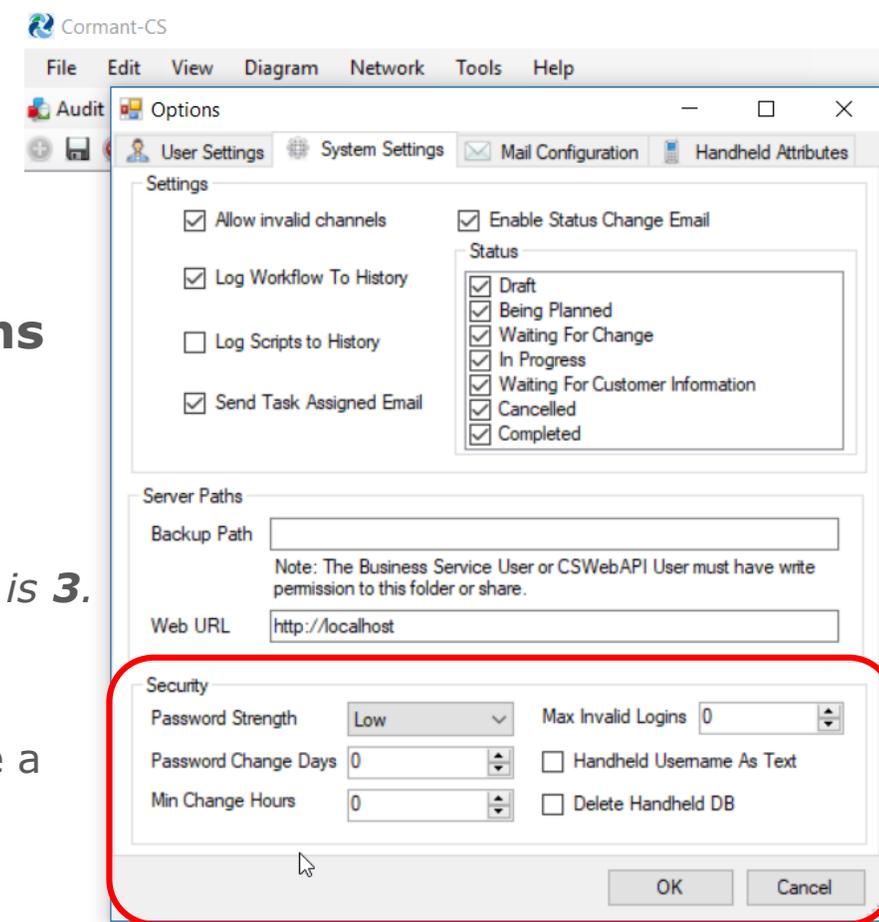
Increased Security - Summary

- This version is our most secured product to date. It includes recent security fixes for common web attacks
 - Password Brute-force attack via login configuration restrictions
 - XSS attack (cross-site scripting) security fixes
 - Cross-site request forgery (CSRF) attack security. A cryptographic generated token that is associated on user session is use. This token gets validated along the user's cookie in the server to prevent CSRF impersonation
 - Attachment of allowable files is now configurable in web.config of CS Web

Increased Security - Password Brute-force attack

Password Brute-force attack via login configuration restrictions are configured as follows:

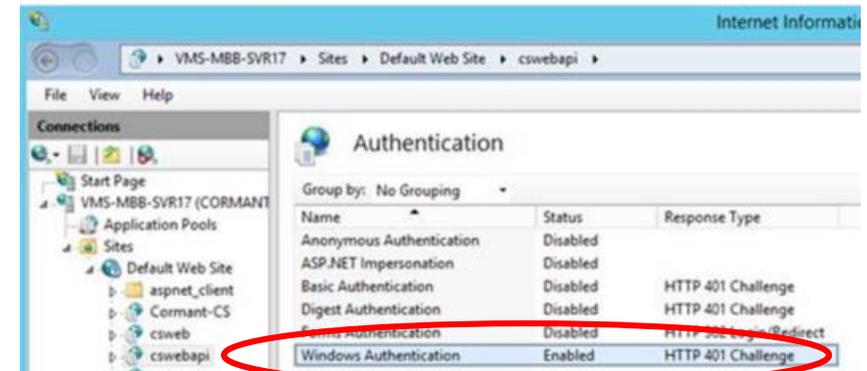
- By default, Cormant-CS allows multiple login retries.
- You can secure this by configuring the security behavior of an account.
- Login to the Cormant-CS Client and click **Tools > Options**
- In the **Option** window, go to **System Settings** tab
- Security group allows you to set the ff:
 - **Password Complexity Strength**
 - **Max Invalid Logins** (0 means infinite). **Recommended setting is 3.*
 - Password validity days can be set to force user to change after x number of days in **Password Change Days**
 - **Min Change hours** allows you to set the number of hours before a user can change his password again



Increased Security – API security Enhancements & Support for AD/LDAP Authentication

API security enhancements and support for AD / LDAP authentication for calling API Methods Attachment of allowable files is now configurable in web.config of CS Web

- Configure your IIS virtual directories to Windows Authentication by enabling this in **IIS Manager > Authentication module**
 - Disable Anonymous, then enable Windows Authentication
 - Do this for both CSweb and cswebapi virtual folders
- You can also enable AD/LDAP Authentication by configuring web.config and setting the correct values for your domain.
- Lastly, make sure to enable useLdapForAuthentication in web.config of CSWeb



```
<section name="ldap-configuration" type="Helpers.Config Sections.LdapConfigurationSection, CableSolve.Helpers"/>
</configSections>
<ldap-configuration enabled="false" useLdapForAuthentication="true" domain="SLO1.cinc.cormant.biz:389" container="DC=cinc,DC=cormant,DC=biz" username="" />
<applicationSettings>
<Helpers.Properties.Settings>
  <!--Uncomment these connection string properties if Cormant-CS Server is not installed on the same machine as the Web server -->
```

**For complete details on setting up AD and LDAP for your Cormant-CS, there's a Knowledge Base that Cormant Support can send you upon request.*

Increased Security – File Attachment Filtering

Attachment of allowable files is now configurable in web.config of CS Web

- There are 2 new variables in CSWeb**Web.config** : `ExtensionWhitelist` and `ValidateZippedFileExtensions`. These control what files can be uploaded as a Workflow Task Attachment.
- You can add or remove file types based on your security requirements
- It will also scan the content of zip files if all files inside it are allowed, by checking the file extension.

```
-----  
<!-- Allowed file extensions for Workflow Task Attachment uploads -->  
<setting name="ExtensionWhitelist" serializeAs="Xml">  
  <value>  
    <ArrayOfString xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
      <string>.doc</string>  
      <string>.docx</string>  
      <string>.xls</string>  
      <string>.xlsx</string>  
      <string>.ppt</string>  
      <string>.pdf</string>  
      <string>.rtf</string>  
      <string>.txt</string>  
      <string>.zip</string>  
    </ArrayOfString>  
  </value>  
</setting>  
<!-- Whether or not to validate file extensions of files within a zip archive according to the ExtensionWhitelist (above) -->  
<setting name="ValidateZippedFileExtensions" serializeAs="String">  
  <value>True</value>  
</setting>
```

Information & Other Training Resources

- Release Notes v9.4 can be found in the release package on the [Cormant website](#), using your secure user login credentials on the the Customer Portal.



Information & Other Training Resources

- If you are coming from a previous version and would like reference to the Summary of Key Changes in prior New Features Trainings, here they are!

V8.4

- Enhanced Rack View and Row-Rack View
- Import on the Web
- Rack Connections and Power Affected Devices Export
- Location Identification, Activity history and Unique links
- Creating new users via the web
- Template types
- Secure password options
- Additional administration logs
- Database checking -CheckDB
- Historical data comparison (example RU, Power, Temperature)

Summary of Key Changes v9.0, v9.1 & v9.3

v9.0

- Asset Tree improved and completely removed from Cormant-CS Client
- Cormant CS-Web Asset Tree Functionality Enhanced to include a drag and drop Connections feature
- Plan removed from the Client and now improved and fully on the Web
- Floor Plan Widget available on the Web Dashboard.

v9.1

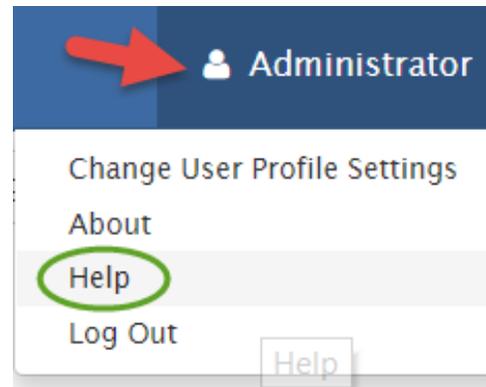
- Reporting: Continued migration & enhancement of features from the Client to the Web to include Editing & Running of Reports, Scheduling Reports, and Historical Report Configuration.
- User Security: All Admin, Roles, Zones, Permissions and User Account Management has also relocated to the Web.
- Report Caching Services feature has been added to the Web for faster loading of reports and Dashboard widgets

v9.3

- Network Discovery: This function allows you to discover SNMP devices within a range of network you have configured.

Online Help

- Our Help System can be found on Cormant CS-Web, our web based platform (though also still available on Cormant CS-Client).
- To access the Online Help feature:
 - On Cormant-CS Web, click on your UserName in the Top Right Corner
 - From the dropdown menu, click Help



- You will be welcomed to the Cormant Help Feature in a new tab!

Online Help

➤ Online Help is divided into 5 major sections

- What's New in Cormant CS-9?
- Using the Web
- Using the Handheld
- Using the Desktop
- Installation & Troubleshooting

➤ You may expand any section by clicking on the associated icon

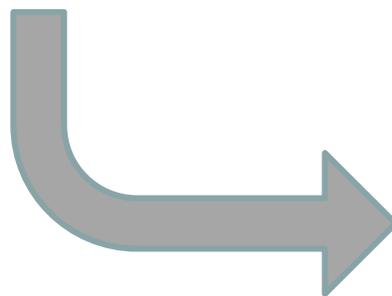
- 📖 Welcome to Cormant-CS
- 📖 What's New in Cormant-CS 9
 - 📄 New and Enhanced Security Feature
 - 📄 Handheld Security Features
 - 📄 CSWeb User Profile page
 - 📄 Custom Exports
 - 📄 Windows Log-in
 - 📄 Zone Component Permissions
- 📖 **Using the Web**
 - 📄 Asset Console
 - 📄 Managing Components
 - 📄 Rack View Overview
 - 📄 Using Floor Plans
 - 📄 Using the Dashboard
 - 📄 Connections Overview
 - 📄 Using Reports
 - 📄 Using the Workflow Module
 - 📄 Manage Profile and Users
 - 📄 Alerts
 - 📄 GUI Reference Tables
- 📖 Using the Handheld
- 📖 Using the Desktop
- 📖 Installation and Troubleshooting

➤ The Search feature in the upper right hand corner will allow for key word searching and quickly finding the information you need.



Stay in Touch

To access the *Private* Cormant-CS user group:
<https://www.linkedin.com/groups/4323060> or
email sales@Cormant.biz to join.



For Additional Help

If you would like additional help with any aspect of Cormant-CS, contact your partner or Cormant directly at support@Cormant.biz

Cormant Customer Support

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 - Ireland: +353 1531 4869
 - Italy: +39 02360 48279
 - Netherlands: +31 (0)20 220 9036
 - Poland: +48 (0)2 2206 2153
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