



CORMANT-CS

New Features Training V12.1.0

*September 2023
V01*

Summary of Key New features in 12.1.0

Two Factor Authentication (2FA) via email added to Cormant-CS Login.

- ❑ When users log in to Cormant-CS directly – so, not via LDAP or IIS Single Sign-On – a customer can configure Cormant-CS to send a Code sent to a user's email account to further verify who they are.
- ❑ There are options to remember the user on a particular device for 30 days
- ❑ Users can be excluded from needing to use 2FA.
- ❑ Logging of Log Ins has been extended to show 2FA status.

Import Connections Improvements.

- ❑ A new optional column: Action, has been added to the Connections Import file. Users can add whether they want to do a Connection or a Disconnection. This will make intentions clearer and also allows users to create dangling connections.
- ❑ An option has been added to the Import Connections dialog to skip disconnections for ports that are already empty rather than raise an error.

Summary of Key New features in 12.1.0 cont..

Threshold summary page improvements.

- ❑ The user will find it easier to see when an Alert range of a Threshold has been set. The display has been made more consistent.

Threshold Dialog Improvements.

- ❑ When setting Alert ranges in the Threshold dialog the user will find it easier to see what Alert ranges have been set and what values relate to High or Low ranges.

General Improvements and Bugs sorted.

- ❑ A large number of SOAP API fixes and Improvements have been made and documented in the SOAP API Guide.
- ❑ Library version updates and other security fixes have been carried out.
- ❑ Additional Lookup Dialogs have been enhanced for filtering and ease of use.
- ❑ A lot of annoying UI bugs have been fixed (120+).



New Features in 12.1.0

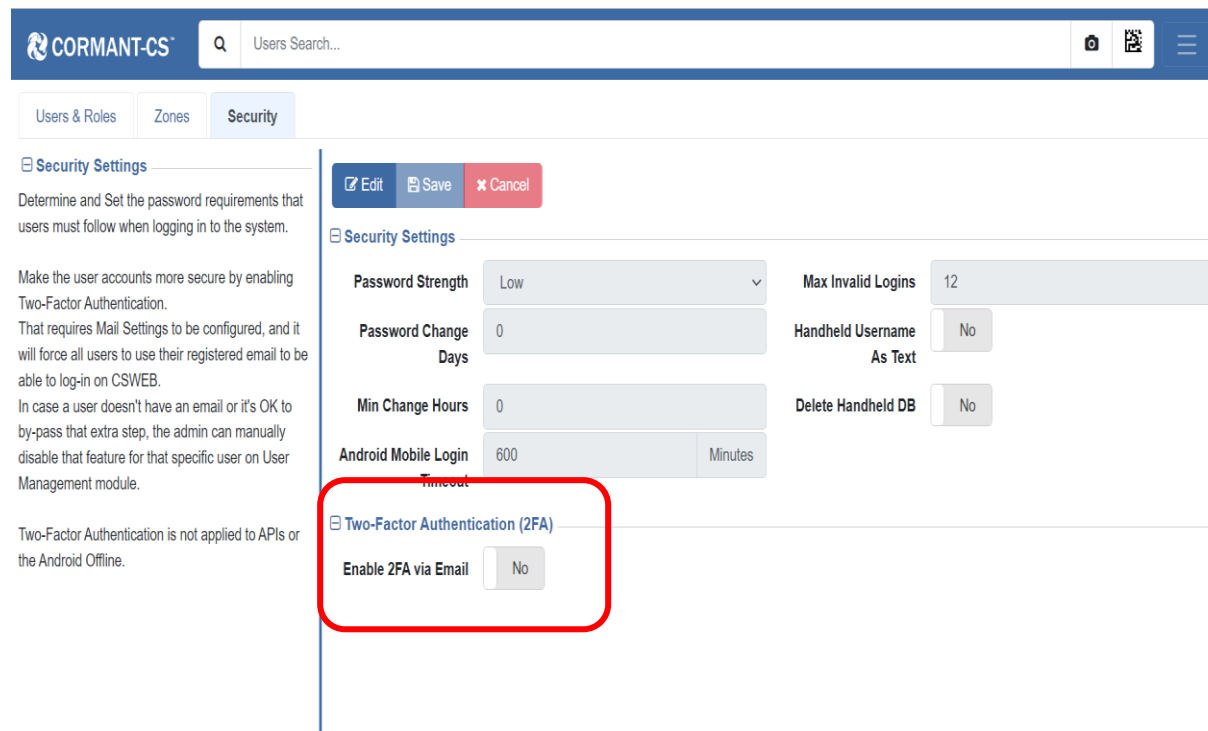
A collage of screenshots from a data dashboard. The top right shows a line graph with a blue line fluctuating over time. Below it is a 'Chargeback Report' with a horizontal bar chart showing values for 'Finance', 'HR', 'Marketing', 'Operations', and 'Sales'. The bottom screenshot shows a 3D rack view of server racks labeled DCI-04H, DCI-04G, DCI-04E, DCI-04F, DCI-04C, DCI-04B, DCI-04A, DCI-05A, DCI-05B, DCI-05C, DCI-05D, DCI-05E, DCI-05F, DCI-05G, DCI-05H, DCI-05I, DCI-05J, DCI-05K, DCI-05L, DCI-05M, DCI-05N, DCI-05O, DCI-05P, DCI-05Q, DCI-05R, DCI-05S, DCI-05T, DCI-05U, DCI-05V, DCI-05W, DCI-05X, DCI-05Y, DCI-05Z. The interface includes a search bar, navigation tabs like 'Dashboard', 'Assets', 'Reports', 'Workflow', 'Alerts', 'Admin', and 'Administrator', and a list of assets on the left.

Let's Get Started...

Enabling 2 Factor Authentication (2FA)

- ❑ Enabling 2FA comprises a number of Processes.
 - ❑ Ensure that Cormant-CS is configured to use Email (Admin > System Settings > Mail Settings).
 - ❑ Ensure all users who will be using 2FA have valid email addresses. Users are not able to change their Email accounts in 12.1.0
 - ❑ In Admin > User Management > Security set Enable 2FA via Email to Yes.
 - ❑ The admin doing this will require a valid email address configured so that they can receive a test 2FA Code to confirm that the system is set up and working properly.
 - ❑ On first setting 2FA all users with an email address configured will be set to use 2FA. Disable 2FA for those users who 2FA may not be suitable for.

- ❑ An Admin can disable the 2FA system if email is temporarily not available. Existing User 2FA settings are not changed.



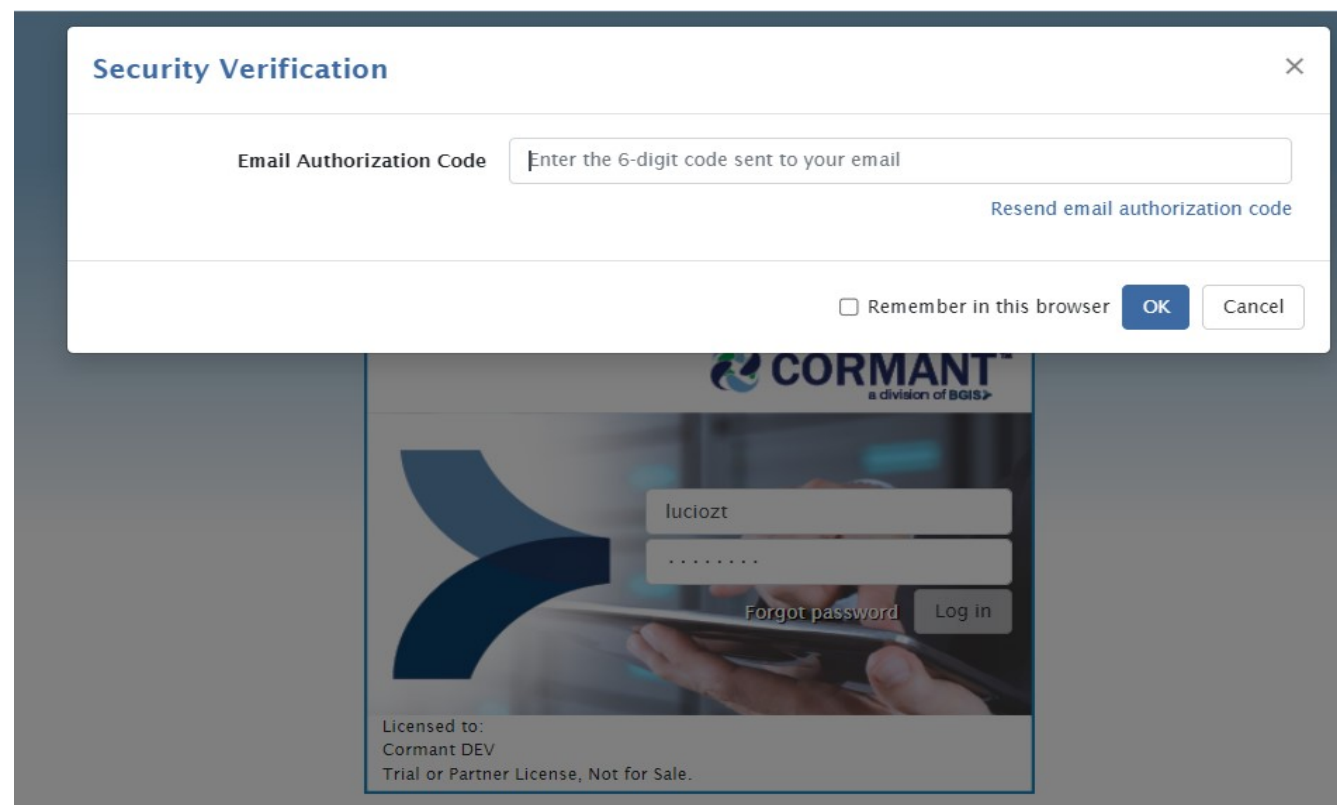
The screenshot shows the CORMANT-CS Security Settings page. The 'Security Settings' section is active, and the 'Two-Factor Authentication (2FA)' subsection is highlighted with a red box. In this subsection, the 'Enable 2FA via Email' toggle is currently set to 'No'.

Other visible settings include:

- Password Strength: Low
- Password Change Days: 0
- Min Change Hours: 0
- Android Mobile Login Timeout: 600 Minutes
- Max Invalid Logins: 12
- Handheld Username As Text: No
- Delete Handheld DB: No

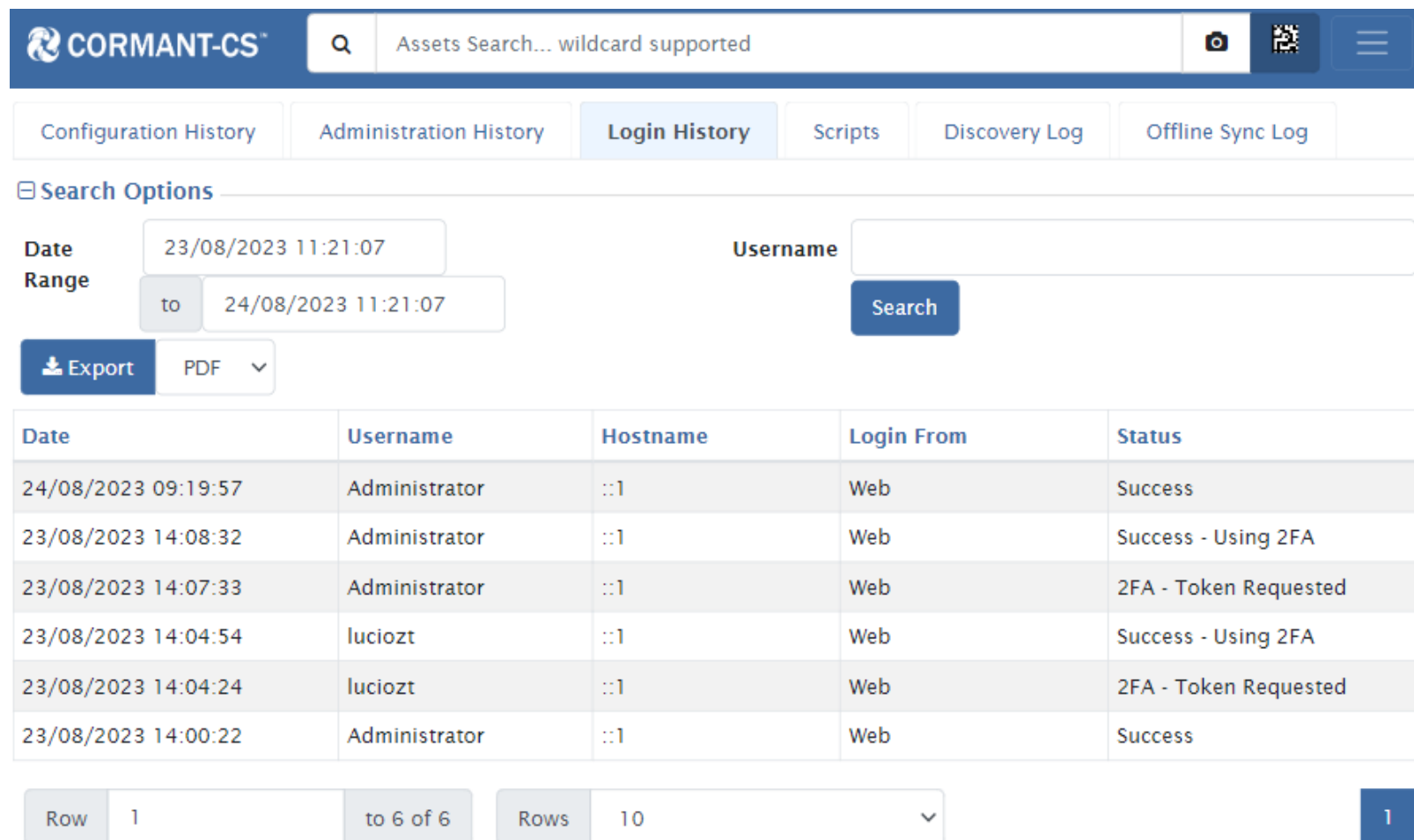
Using 2 Factor Authentication (2FA)

- ❑ Users configured to use 2FA, will be asked for a six digit code as part of the login process.
- ❑ Once the user has supplied their correct User Name and Password details, a 6 digit code is sent to the users email address stored in Cormant-CS. The user must retrieve this code and enter it into the Security Verification dialog before they are allowed in.
- ❑ The code is only valid for a few minutes. After which time they will need to request another verification code. A New code will cancel an old code. A code can only be used once.
- ❑ The user has the option of being remembered on the device / browser for up to 30 days, before they need to re-verify themselves.



Improvements to Log In Logging

- ❑ As part of the 2FA implementation, we have improved the logging of Log In attempts by users.
- ❑ As well as recording a successful or otherwise username and password attempt. The method of verification is also recorded.
- ❑ Users logging in using saved verification details for instance are identified.



The screenshot shows the CORMANT-CS interface with the 'Login History' tab selected. The search options include a date range from 23/08/2023 11:21:07 to 24/08/2023 11:21:07 and a search button. The export option is set to PDF. The table below shows the login history records.

| Date | Username | Hostname | Login From | Status |
|---------------------|---------------|----------|------------|-----------------------|
| 24/08/2023 09:19:57 | Administrator | ::1 | Web | Success |
| 23/08/2023 14:08:32 | Administrator | ::1 | Web | Success - Using 2FA |
| 23/08/2023 14:07:33 | Administrator | ::1 | Web | 2FA - Token Requested |
| 23/08/2023 14:04:54 | luciozt | ::1 | Web | Success - Using 2FA |
| 23/08/2023 14:04:24 | luciozt | ::1 | Web | 2FA - Token Requested |
| 23/08/2023 14:00:22 | Administrator | ::1 | Web | Success |

Row 1 to 6 of 6 Rows 10

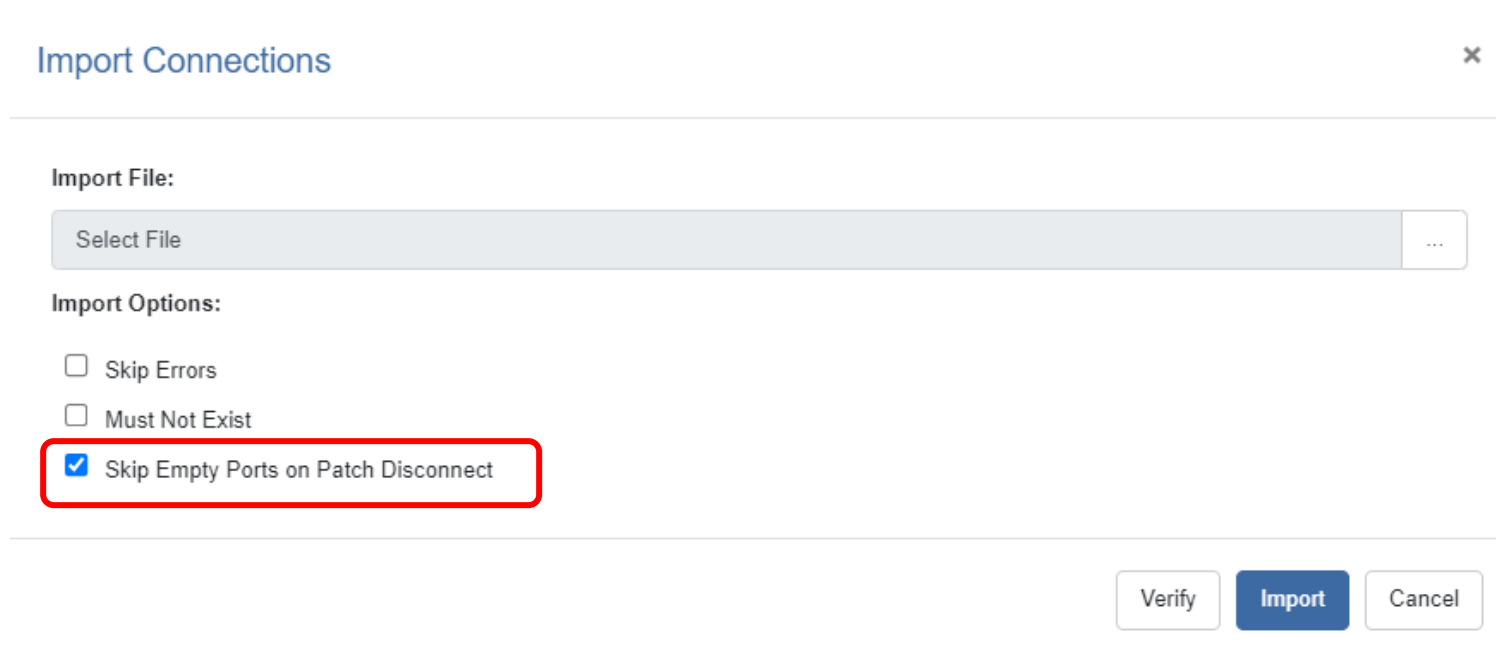
Importing Connections Improvements.

- ❑ An optional column called **Action** can be added to Connections Imports.
- ❑ This column allows users to state explicitly what the system should do with the information in the Connections Import file.
- ❑ A **Connect** value means that a connection should be made.
- ❑ A **Disconnect** value means that a disconnect should be done.
- ❑ Leaving the value blank – the import will assume current connect and disconnect rules.
- ❑ This has the following advantages:
 - ❑ By changing the value in the **Action** column, the same data can be used to Connect or Disconnect a cable / patch lead.
 - ❑ A Dangling cable / patch connection can be created.
 - ❑ The intentions of what the creator of a Connection Import file wants to happen are clearer for others to follow.

| | A | B | C | D |
|----|------------------|-----------|------------------|------------|
| 1 | From | Barcode | To | Action |
| 2 | DC1-01A-SVR01-C1 | 44000009 | DC1-01A-SW01-C15 | Connect |
| 3 | DC1-01A-SVR01-C2 | 44000010 | DC1-01A-SW02-C07 | Connect |
| 4 | DC1-01A-SVR01-C3 | 44000011 | DC1-01A-SW01-C20 | Connect |
| 5 | DC1-01A-SVR02-C1 | 44000014 | DC1-01A-SW01-C13 | Connect |
| 6 | DC1-01A-SVR02-C2 | 44000015 | | Connect |
| 7 | DC1-01A-SVR02-C3 | 44000016 | DC1-01A-SW01-C10 | Connect |
| 8 | DC1-01A-SVR06-C1 | Test12345 | DC1-01A-SW01-C25 | Disconnect |
| 9 | DC1-01A-SVR06-C2 | Test12346 | DC1-01A-SW02-C25 | Disconnect |
| 10 | DC1-01A-SVR06-C3 | Test12347 | | Disconnect |
| 11 | DC1-01A-SVR03-C1 | 44000018 | DC1-01A-SW01-C03 | Connect |
| 12 | | | | |

Importing Connections Improvements Continued.

- ❑ The Import Connections Dialog has a new option: **Skip Empty Ports on Patch Disconnect**.
- ❑ Instead of raising an error if a port is already empty, when trying to disconnect it, the import will just skip to the next port.
- ❑ This allows users to create an import file to disconnect a range of ports on a component with just the From Port names to be disconnected and if they are already empty to not raise an error – the result being a component with a range of empty ports.



Import Connections

Import File:

Select File

Import Options:

- Skip Errors
- Must Not Exist
- Skip Empty Ports on Patch Disconnect

Verify Import Cancel

Improvements to Threshold Alerts Settings Summary.

- ❑ When viewing the list of created thresholds on the **Alerts > Thresholds** tab, users will now find it easier to see whether an Alert Range has been configured.
- ❑ Unconfigured Alert Ranges will show Black Circles with a Cross in them
- ❑ Configured ranges will show the values configured

| <input type="checkbox"/> | Name | Value Attribute | Max Value Attribute | Low Warning | High Warning | Low Critical | High Critical |
|--------------------------|-----------------------------|--------------------------------|----------------------------------|-------------|--------------|--------------|---------------|
| <input type="checkbox"/> | Cabinet Lease Status | Cabinet Status Code | Cabinet Status Code 2 | ⊗ | 0% 🟡 | ⊗ | 0% 🔴 |
| <input type="checkbox"/> | COLO Carbon Footprint | DC Annual CO2 Footprint (t) | DC Annual CO2 Footprint (t) Goal | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | COLO PUE | PUE | PUE Goal | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Asset Validation | DC Total Assets Validated | DC Total Assets | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Assets | DC Total Assets Validated | DC Total Assets | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Cage Space | DC Total Cage Area | DC Total SqFt | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Carbon Emission vs Goal | DC Annual CO2 Footprint (t) | DC Annual CO2 Footprint (t) Goal | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Power Actual vs Max | DC Power Actual (All Racks) | Power Max | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Power Plate | DC Power Plate (All Racks) | Power Max | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Rack Units Used vs Total | DC Used Rack Units (All Racks) | Rack Units Total | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Total BTU vs Max | DC Total BTU's | Cooling Max | ⊗ | ⊗ | ⊗ | ⊗ |
| <input type="checkbox"/> | DC Total Cage Area | | DC Total SqFt | 🟡 30% | ⊗ | 🔴 10% | ⊗ |
| <input type="checkbox"/> | Rack Asset Validation | Rack Total Assets Validated | Rack Total Assets | ⊗ | 100% 🟡 | ⊗ | 100% 🔴 |
| <input type="checkbox"/> | Rack Cooling vs Max | Rack Total BTU's | Cooling Max | ⊗ | 70% 🟡 | ⊗ | 85% 🔴 |
| <input type="checkbox"/> | Rack Power Actual vs Max | Rack Power Actual (W) | Power Max | ⊗ | 70% 🟡 | ⊗ | 95% 🔴 |

Improvements to the Setting of Alert Ranges.

- ❑ We have improved the layout of the Threshold dialog, so that users can enable Alert ranges and see their settings in a clearer way.
- ❑ Now when creating or editing a threshold. The user will clearly see that the Low or High threshold values for Critical and Warning Alerts have been enabled and values set.
- ❑ The user enables a range by checking the appropriate range. At which point the Value boxes become available under the checked range for the user to set and see the values.

Threshold
✕

Custom Threshold

Name *

Value Attribute *

Max Value Attribute *

☏ Threshold Values

Delay Time Before Alert Minutes

Use Low Thresholds High Thresholds

Warning % ↔

Critical % ↔

Color Range

Note: To create a new Color Range or change an existing Color Range's details, such as colors used, go to Admin > Configuration > Color Ranges.

Other Improvements.

- ❑ The Soap API has been worked on to mend existing Endpoints, create new ones, and update the documentation.
 - ❑ Some endpoints have been deprecated and will be removed from the API in 13.0.0
 - ❑ There were a number of endpoints that were documented as API but were actually for Scripting. The documentation for these endpoints has been corrected
 - ❑ A number of endpoints with issues have been fixed.
 - ❑ Some new endpoints have been added. These are mainly where “fixing” or extending an endpoint would break existing code.
 - ❑ The API documentation has been updated to cover new endpoints and detail deprecated ones
- ❑ Further Filtered Search lookups have been upgraded to the new schema introduced in 12.0.0
- ❑ The character limit for the display of a Dashboard widget’s Name has been increased to 60 Characters. This will stop the annoying error message that used to show up when using long custom report names.
- ❑ Security updates and Speed improvements have been done.
- ❑ A lot of small annoying UI bugs have been fixed (see release Notes for full list)

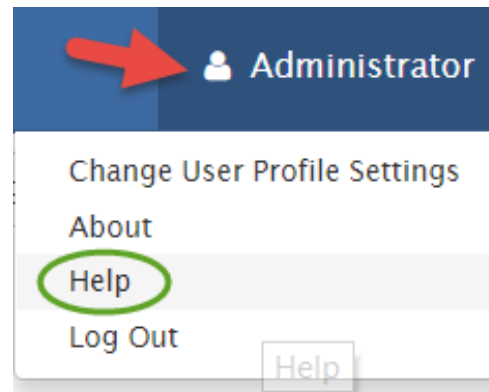
Information & Other Training Resources

- Release Notes to v12.1.0 can be found in the release package, and other information can be found on the [Cormant website](#), using your secure user login credentials to the the Customer Portal.



Online Help

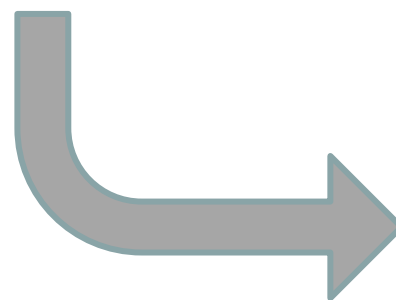
- Our Help System can be found on Cormant CS-Web, our web based platform.
- To access the Online Help feature:
 - On Cormant-CS Web, click on your UserName in the Top Right Corner
 - From the dropdown menu, click Help



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

Stay in Touch

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



For Additional Help

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

Cormant Customer Support

- USA/World Wide: +1 805 747 4178
- Australia: +61 (0)2 8518 1298
- Belgium: +32 (0)2 401 9240
- Germany: + 49 (0)6922 224 6223
- Ireland: +353 1531 4869
- Netherlands: +31 (0)20 220 9036
- Poland: +48 (0)2 2206 2153
- Singapore: +65 3158 2022
- UK: +44 (0)20 33 972 911

- Skype Voice: cormant-sip1

Skype Chat:
cormant.support

Email:
Cormant-Support@bgis.com