



CORMANT-CS

New Features Training V12.2.0

*January 2024
V01*

Summary of Key New features in 12.2.0

Azure AD support and Authentication Improvements.

- ❑ Cormant-CS now supports Azure AD (OpenID).
- ❑ Configuration is via new User Management > Authentication tab.
- ❑ Also Configure LDAP / AD in UI and stored in DB so easier upgrades in future.
- ❑ Assign different Authentication methods to different users.
- ❑ Additional Columns have been added to Login Logs and more information logged to provide customers with better oversight of users.
- ❑ The Users Table Grid can be exported for reporting and analysis.

Reports Module Improvements.

- ❑ Historical Reports can now be grouped in Folders.
- ❑ Creating a Report now has some common filters and Attributes added by default. These can be removed if required.
- ❑ Loading of Custom Reports is much faster.
- ❑ Users can use Cut/Copy/Pasted, Drag/Dropped, and Keyboard shortcuts to move, copy, delete Reports.

Dashboard Improvements.

- ❑ New Meter Chart types are available: Cylinder, Thermometer and LED Charts have been added.
- ❑ When choosing a Historical Report, the dialog arranges them in their folders.

Summary of Key New features in 12.2.0 cont..

Workflow improvements.

- ❑ The Rack Selector Score is easier to use and appears in a dialog from which the user can select the most appropriate rack for their purposes.

Logs > Scripts tab Improvements.

- ❑ The Scripts log tab now optionally updates as new logs are created.
- ❑ Filters will now look at all existing logs not just those in the grid.
- ❑ Data is paged to the chosen grid size and grid sorting works on all of the data matching the filters.
- ❑ You can see the total number of rows matching your filter.

Assets Module.

- ❑ When Importing or deleting large quantities of data a dialog will show displaying the progress of the operation.
- ❑ Optionally Rename Subcomponents when Renaming Components via the Search Results tab
- ❑ History tab now has a loading spinner which can be cancelled if the operation is taking longer than expected.
- ❑ Date and Date/Time pickers have been replaced with Browser Versions. This should give users a better, easier and more consistent experience.

Summary of Key New features in 12.2.0 cont..

Offline improvements.

- ❑ A windows version of the Offline App has been created. This looks and works exactly the same as the Android version.
- ❑ It uses the same configuration and Android and Windows devices can be used at the same time.
- ❑ Where our documentation refers to Android App this means both Android and Windows – In future we will be using the generic term of Offline App to mean both applications.
- ❑ Many improvements done in Cormant-CS have been ported to Offline App:
 - ❑ Date and Date/Time pickers now use Browser version.
 - ❑ Scan and Assign dialog improved
 - ❑ Sort By Rack Unit added
 - ❑ Android Pagination.
 - ❑ Space Lookups now filterable.
 - ❑ Attribute Lookups now Filterable.
 - ❑ Template lookups now filterable

Special Note:

Customers who want to take advantage of new Offline features but who do not want to upgrade to the latest version of Cormant-CS can do so with some limitations. Some features may require particular database values and not available or changes sent to the Offline Sync Service may not be propagated.

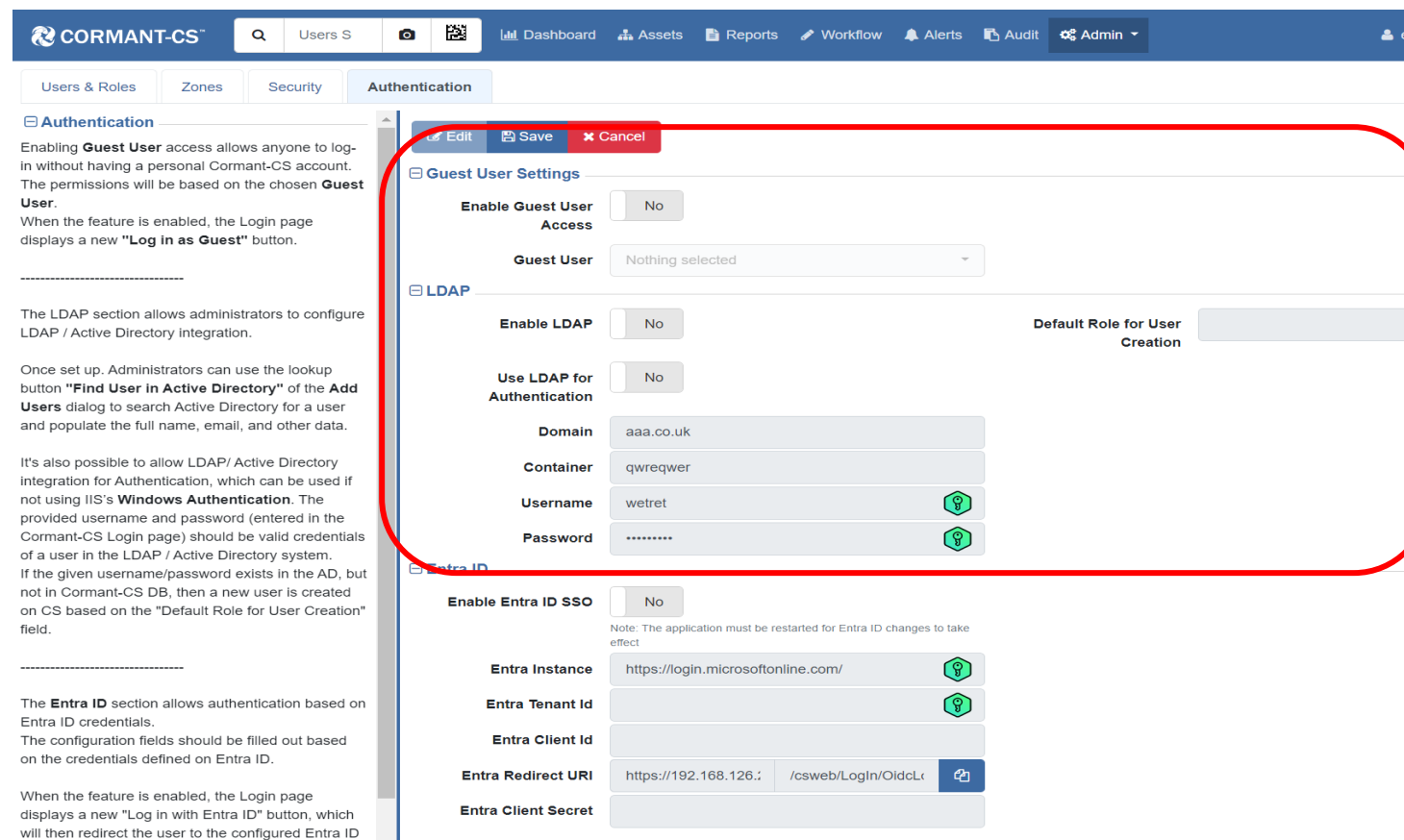


New Features in 12.1.0

Let's Get Started...

New Tab Allows "In App" Authentication Config

- ❑ A new tab Admin > User Management > Authentication allows administrators to configure LDAP / AD and Entra ID (Azure AD) from within Cormant-CS rather than the web.config file.
- ❑ Data is persisted between upgrades
- ❑ Easier to manage.
- ❑ Other features like Guest Account and New User Roles are easier to manage.
- ❑ Users can be configured to use either Cormant-CS, LDAP/AD or Entra ID/Azure AD as Identity Provider. This is on a user by user basis.
- ❑ A default Identity Provider can be set for the Role making the setting of users easier.
- ❑ Note If you use **IIS Windows Authentication** User Identity configuration has no affect



CORMANT-CS™ | Users S | Dashboard | Assets | Reports | Workflow | Alerts | Audit | Admin

Users & Roles | Zones | Security | **Authentication**

Authentication

Enabling **Guest User** access allows anyone to log-in without having a personal Cormant-CS account. The permissions will be based on the chosen **Guest User**.
When the feature is enabled, the Login page displays a new "Log in as Guest" button.

The LDAP section allows administrators to configure LDAP / Active Directory integration.

Once set up, Administrators can use the lookup button "Find User in Active Directory" of the Add Users dialog to search Active Directory for a user and populate the full name, email, and other data.

It's also possible to allow LDAP/ Active Directory integration for Authentication, which can be used if not using IIS's **Windows Authentication**. The provided username and password (entered in the Cormant-CS Login page) should be valid credentials of a user in the LDAP / Active Directory system. If the given username/password exists in the AD, but not in Cormant-CS DB, then a new user is created on CS based on the "Default Role for User Creation" field.

The **Entra ID** section allows authentication based on Entra ID credentials. The configuration fields should be filled out based on the credentials defined on Entra ID.

When the feature is enabled, the Login page displays a new "Log in with Entra ID" button, which will then redirect the user to the configured Entra ID

Guest User Settings

Enable Guest User Access: No

Guest User: Nothing selected

LDAP

Enable LDAP: No

Use LDAP for Authentication: No

Domain: aaa.co.uk

Container: qwreqwer

Username: wetret

Password:

Default Role for User Creation: [Field]

Entra ID

Enable Entra ID SSO: No

Note: The application must be restarted for Entra ID changes to take effect

Entra Instance: https://login.microsoftonline.com/

Entra Tenant Id: [Field]

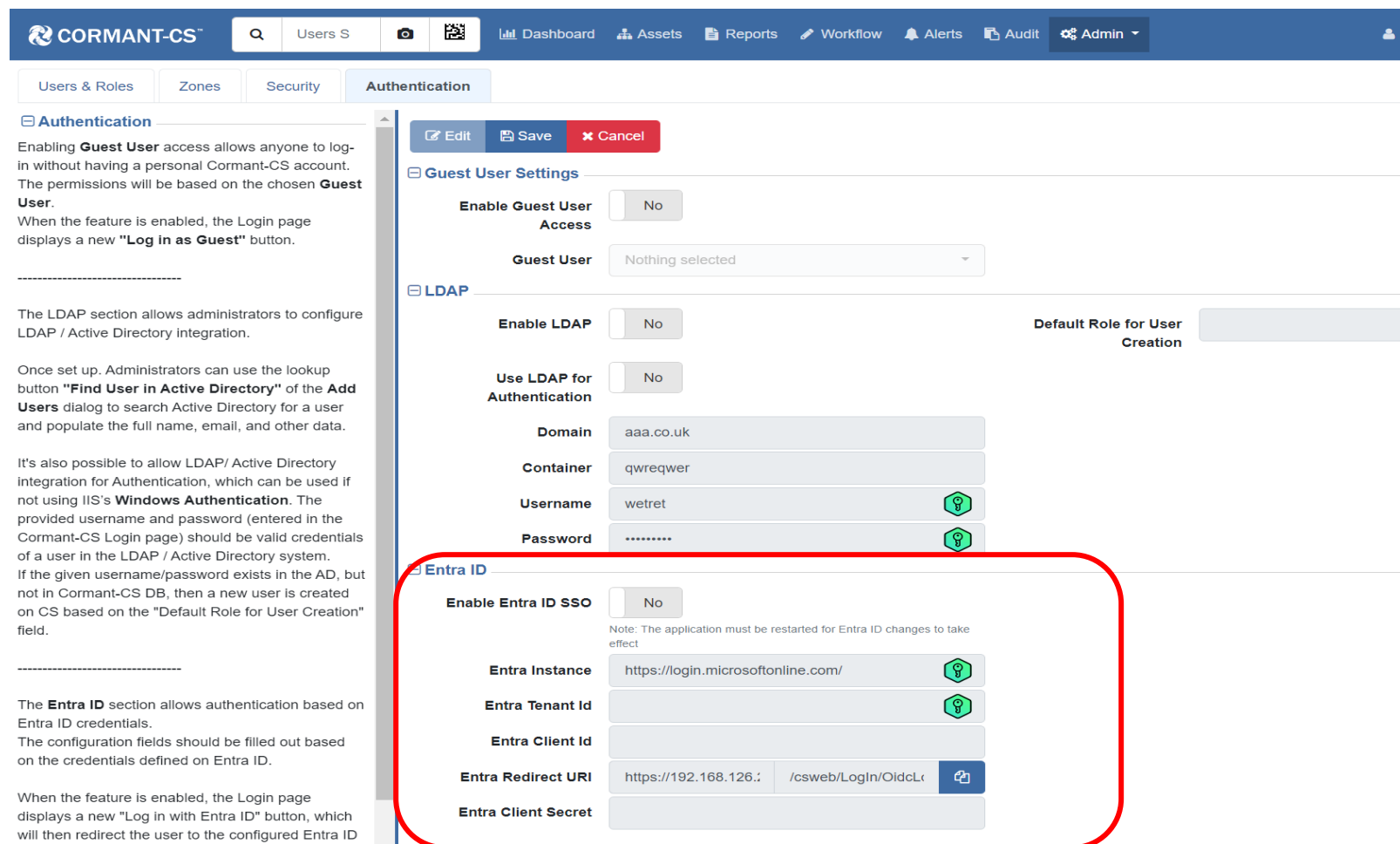
Entra Client Id: [Field]

Entra Redirect URI: https://192.168.126.: /csweb/Login/OidcLc

Entra Client Secret: [Field]

Cormant-CS now supports Entra ID Authentication

- ❑ Entra ID (formerly Azure AD) can be used to Authenticate users.
- ❑ Allows Web based MFA and Single Sign-On experience.
- ❑ Users Email account used for linking Entra ID (Azure AD) account to Cormant-CS account. (Cormant-CS account name can be different from Azure AD and email.)
- ❑ Set Up is via new Authentication tab
- ❑ Set which users are to use Entra ID as opposed to Cormant-CS or traditional LDAP/AD login



CORMANT-CS™ Users S Dashboard Assets Reports Workflow Alerts Audit Admin

Users & Roles Zones Security **Authentication**

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If the given username/password exists in the AD, but not in Cormant-CS DB, then a new user is created on CS based on the "Default Role for User Creation" field.

The **Entra ID** section allows authentication based on Entra ID credentials.
The configuration fields should be filled out based on the credentials defined on Entra ID.

When the feature is enabled, the Login page displays a new "Log in with Entra ID" button, which will then redirect the user to the configured Entra ID

Guest User Settings

Enable Guest User Access No

Guest User Nothing selected

LDAP

Enable LDAP No

Use LDAP for Authentication No

Domain aaa.co.uk

Container qwreqwer

Username wetret

Password

Default Role for User Creation

Entra ID

Enable Entra ID SSO No

Note: The application must be restarted for Entra ID changes to take effect

Entra Instance https://login.microsoftonline.com/

Entra Tenant Id

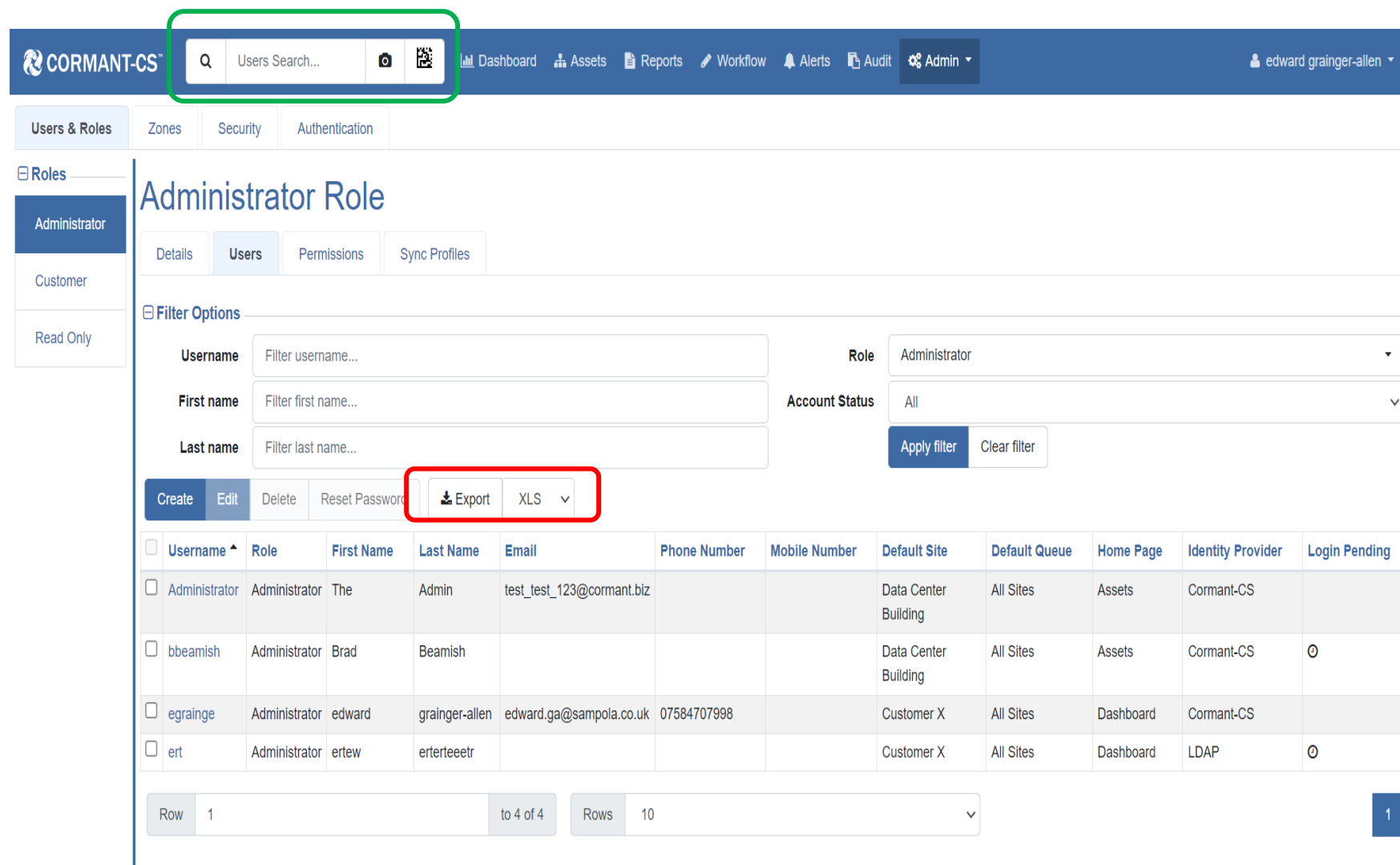
Entra Client Id

Entra Redirect URI https://192.168.126.: /csweb/Login/OidcLr

Entra Client Secret

User Grid Has More Information and Can Be Exported

- ❑ The data grid Admin > User Management > Users and Roles > Users has been expanded to include more information, such as the new Identity Provider option.
- ❑ The grid can be filtered including based on All Roles.
- ❑ The columns can be sorted.
- ❑ The displayed results can be exported to PDF, XLS and CSV formats.
- ❑ Don't forget in a previous release we enabled the Quick Search feature to filter the grid so that finding users wherever they are is easier.

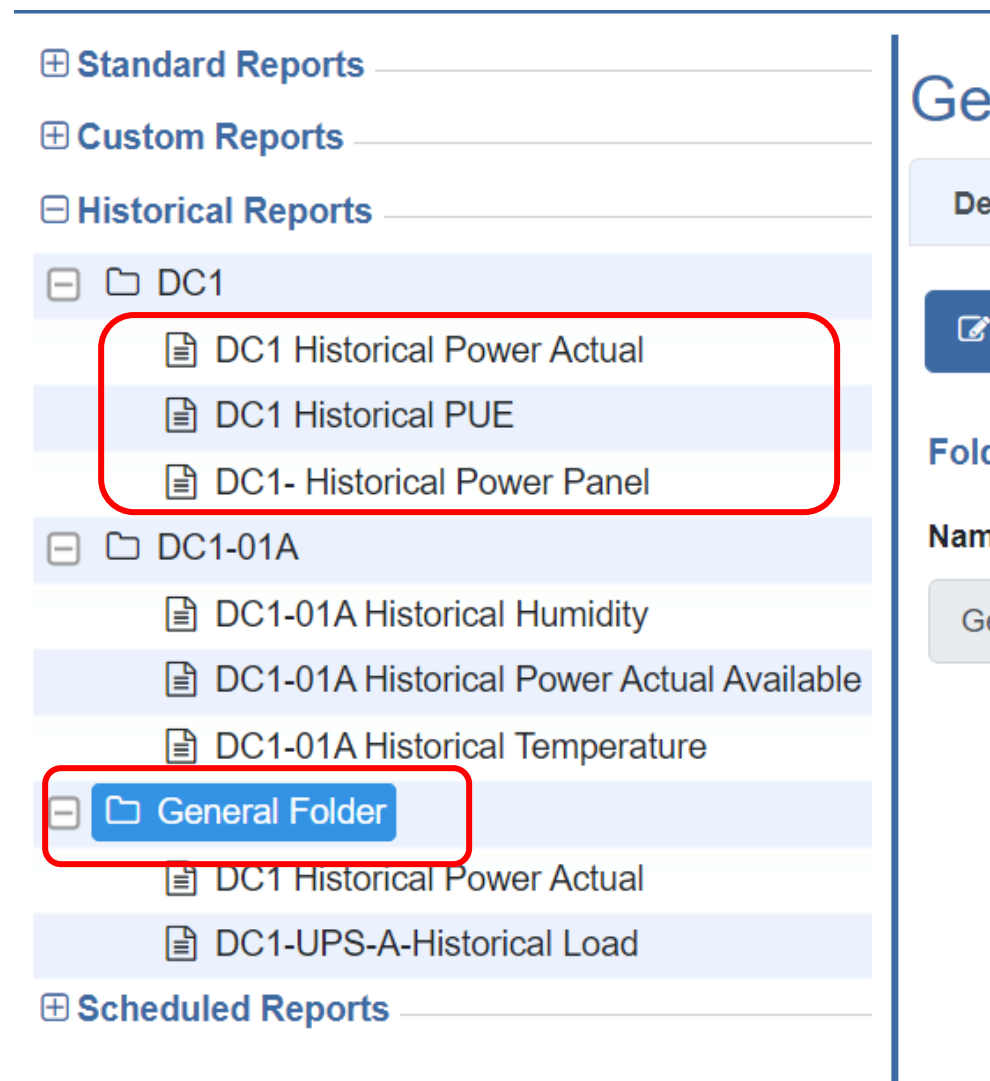


The screenshot shows the CORMANT-CS user management interface. The top navigation bar includes a search bar labeled "Users Search..." and a user profile for "edward grainger-allen". The main content area is titled "Administrator Role" and features a "Users" tab. Below the tab are filter options for Username, First name, and Last name, along with dropdown menus for Role (Administrator) and Account Status (All). An "Export" button with a dropdown menu (currently showing "XLS") is highlighted with a red box. Below the filters is a table of users with columns for Username, Role, First Name, Last Name, Email, Phone Number, Mobile Number, Default Site, Default Queue, Home Page, Identity Provider, and Login Pending. The table contains five rows of user data. At the bottom, there is a pagination control showing "Row 1 to 4 of 4" and "Rows 10".

| Username | Role | First Name | Last Name | Email | Phone Number | Mobile Number | Default Site | Default Queue | Home Page | Identity Provider | Login Pending |
|---------------|---------------|------------|----------------|---------------------------|--------------|---------------|----------------------|---------------|-----------|-------------------|---------------|
| Administrator | Administrator | The | Admin | test_test_123@cormant.biz | | | Data Center Building | All Sites | Assets | Cormant-CS | |
| bbeamish | Administrator | Brad | Beamish | | | | Data Center Building | All Sites | Assets | Cormant-CS | 🕒 |
| egrainge | Administrator | edward | grainger-allen | edward.ga@sampola.co.uk | 07584707998 | | Customer X | All Sites | Dashboard | Cormant-CS | |
| ert | Administrator | ertew | erterteeetr | | | | Customer X | All Sites | Dashboard | LDAP | 🕒 |

Reports Module - Historical.

- ❑ Historical Reports can now be grouped.
- ❑ On Upgrade your existing Historical Reports will be moved to a new default group – General Folder. This folder can be renamed.
- ❑ Additional folders can be added and Reports moved to them.
- ❑ Reports can be Cut/Copy/Pasted, Drag/Dropped, and keyboard shortcuts used to move, copy, delete Reports.
- ❑ Historical reports cannot be moved to Custom Report folders and vice versa.
- ❑ A Reports with the same name can exist in different folders. Users cannot rename to or move a report with the same name as a report already existing in the folder.



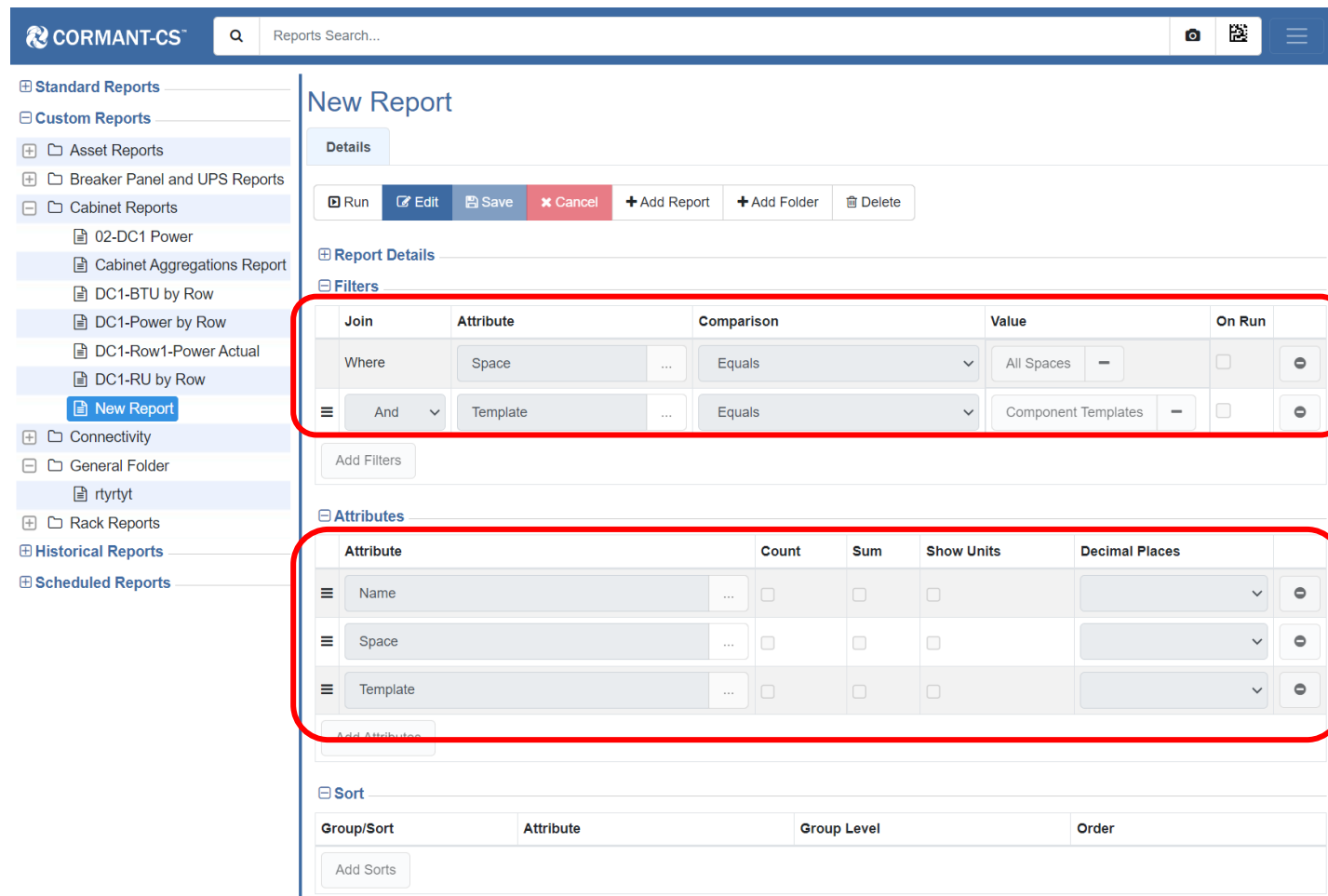
⊕ Standard Reports
 ⊕ Custom Reports
 ⊖ Historical Reports

- ⊖ DC1
 - 📄 DC1 Historical Power Actual
 - 📄 DC1 Historical PUE
 - 📄 DC1- Historical Power Panel
- ⊖ DC1-01A
 - 📄 DC1-01A Historical Humidity
 - 📄 DC1-01A Historical Power Actual Available
 - 📄 DC1-01A Historical Temperature
- ⊖ General Folder
 - 📄 DC1 Historical Power Actual
 - 📄 DC1-UPS-A-Historical Load

⊕ Scheduled Reports

Reports Module – Custom Reports.

- ❑ When Creating a Custom Report, the new Report will now have some frequently used Filters and Attributes as defaults. Users can remove these defaults as they require.
- ❑ The first row of a filter can now be deleted.
- ❑ Custom Reports can also be Cut/Copy/Pasted, Drag/Dropped, and keyboard shortcuts used to move, copy, delete them.
- ❑ The speed of loading the Custom Reports section has been noticeably improved.
- ❑ Custom Reports cannot be moved to Historical report folders and vice versa.



Filters

| Join | Attribute | Comparison | Value | On Run |
|-------|-----------|------------|---------------------|--------------------------|
| Where | Space | Equals | All Spaces | <input type="checkbox"/> |
| And | Template | Equals | Component Templates | <input type="checkbox"/> |

Attributes

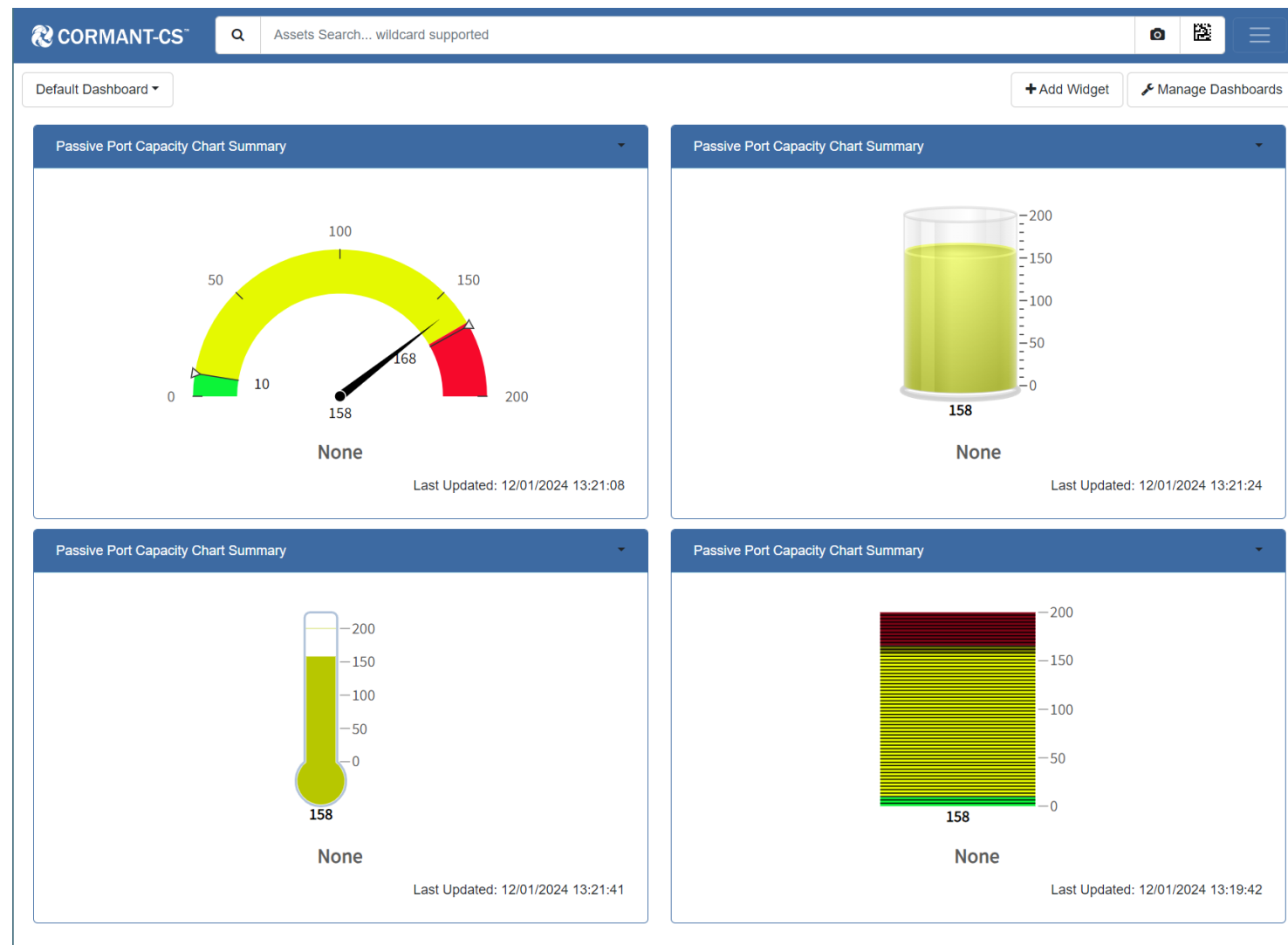
| Attribute | Count | Sum | Show Units | Decimal Places |
|-----------|--------------------------|--------------------------|--------------------------|----------------|
| Name | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Space | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Template | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Sort

| Group/Sort | Attribute | Group Level | Order |
|------------|-----------|-------------|-------|
| Add Sorts | | | |

New Dashboard Meter Display Charts Available.

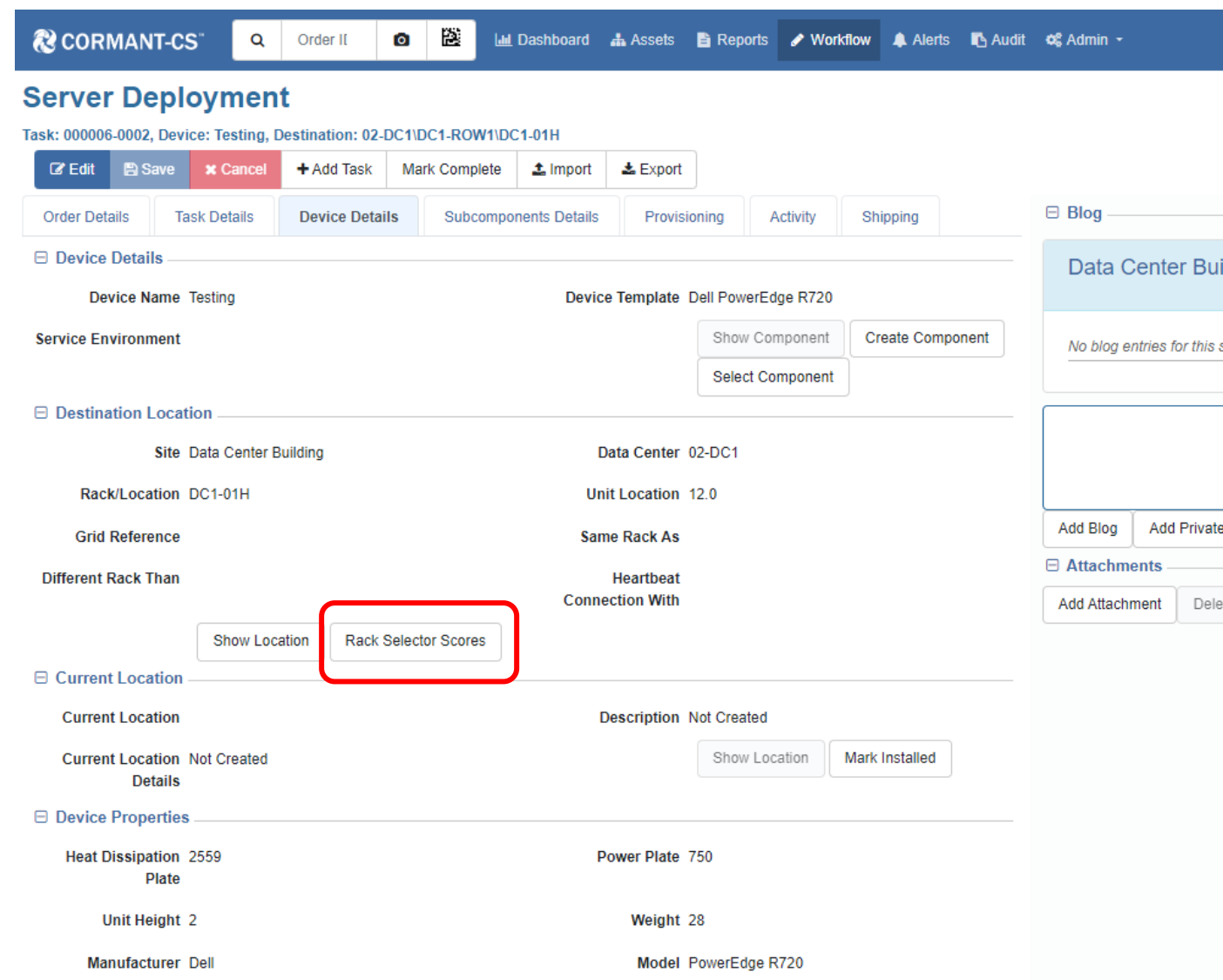
- ❑ 3 new Meter display charts have been added to Custom Report Widgets:
 - ❑ Thermometer
 - ❑ Cylinder
 - ❑ Vertical LED
- ❑ These are configured in the same way as the original "Speedo" style Meter chart.
- ❑ These charts should allow more interesting and understandable dashboards to be created.



Workflow - Rack Selector Scores.

- ❑ The **Rack Selector Scores** export has been a popular and useful tool in workflow for a while.
- ❑ We have now made it part of the UI and it can be accessed via a button – **Rack Selector Scores**.
- ❑ A new dialog will appear with the Racks ordered by their capacity scores.
- ❑ If the Task is in **Edit Mode** the dialog can be used to select the **Rack** and the **Unit Location** similar to the **Rack/Location** edit button

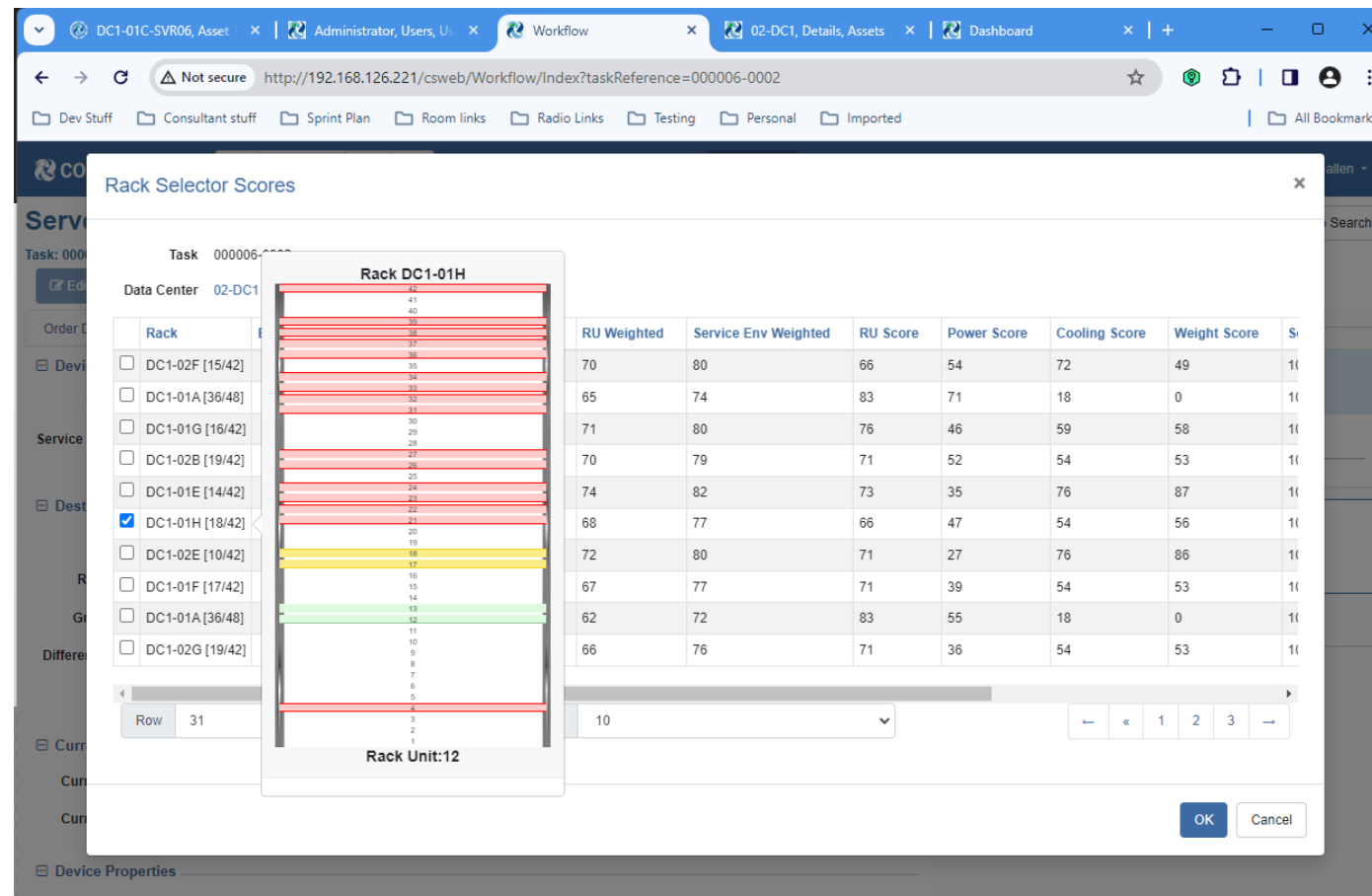
See next Slide for further details



The screenshot shows the CORMANT-CS interface for a Server Deployment task. The task details are: Task: 000006-0002, Device: Testing, Destination: 02-DC1\DC1-ROW1\DC1-01H. The interface includes a navigation bar with 'Workflow' selected, and a toolbar with buttons for 'Edit', 'Save', 'Cancel', 'Add Task', 'Mark Complete', 'Import', and 'Export'. The main content area is divided into several sections: 'Device Details' (Device Name: Testing, Device Template: Dell PowerEdge R720), 'Service Environment' (Show Component, Create Component, Select Component), 'Destination Location' (Site: Data Center Building, Data Center: 02-DC1, Rack/Location: DC1-01H, Unit Location: 12.0, Grid Reference, Same Rack As, Different Rack Than, Heartbeat Connection With), 'Current Location' (Current Location, Description: Not Created, Current Location Details: Not Created, Show Location, Mark Installed), and 'Device Properties' (Heat Dissipation Plate: 2559, Power Plate: 750, Unit Height: 2, Weight: 28, Manufacturer: Dell, Model: PowerEdge R720). A red box highlights the 'Rack Selector Scores' button in the 'Destination Location' section.

Rack Selector Scores... Cont.

- ❑ The Rack Selector Scores dialog displays all the racks in the Datacenter ordered according to their available Capacity.
- ❑ Racks with more available Space Power Cooling are at the top, unsuitable racks are at the bottom
- ❑ The columns can be Sorted by clicking the headers.
- ❑ If the task in Edit Mode, a rack can be selected to use for the task by setting the check box.
- ❑ Hovering over a rack will show the **Unit Location Selector** and the location you want the device be place can be selected and set for the task as well, saving time.
- ❑ Click OK to save and return to Workflow



Rack Selector Scores

Task: 000006-0002

Data Center: 02-DC1

| Rack | RU Weighted | Service Env Weighted | RU Score | Power Score | Cooling Score | Weight Score | Score |
|---|-------------|----------------------|----------|-------------|---------------|--------------|-------|
| <input type="checkbox"/> DC1-02F [15/42] | 70 | 80 | 66 | 54 | 72 | 49 | 10 |
| <input type="checkbox"/> DC1-01A [36/48] | 65 | 74 | 83 | 71 | 18 | 0 | 10 |
| <input type="checkbox"/> DC1-01G [16/42] | 71 | 80 | 76 | 46 | 59 | 58 | 10 |
| <input type="checkbox"/> DC1-02B [19/42] | 70 | 79 | 71 | 52 | 54 | 53 | 10 |
| <input type="checkbox"/> DC1-01E [14/42] | 74 | 82 | 73 | 35 | 76 | 87 | 10 |
| <input checked="" type="checkbox"/> DC1-01H [18/42] | 68 | 77 | 66 | 47 | 54 | 56 | 10 |
| <input type="checkbox"/> DC1-02E [10/42] | 72 | 80 | 71 | 27 | 76 | 86 | 10 |
| <input type="checkbox"/> DC1-01F [17/42] | 67 | 77 | 71 | 39 | 54 | 53 | 10 |
| <input type="checkbox"/> DC1-01A [36/48] | 62 | 72 | 83 | 55 | 18 | 0 | 10 |
| <input type="checkbox"/> DC1-02G [19/42] | 66 | 76 | 71 | 36 | 54 | 53 | 10 |

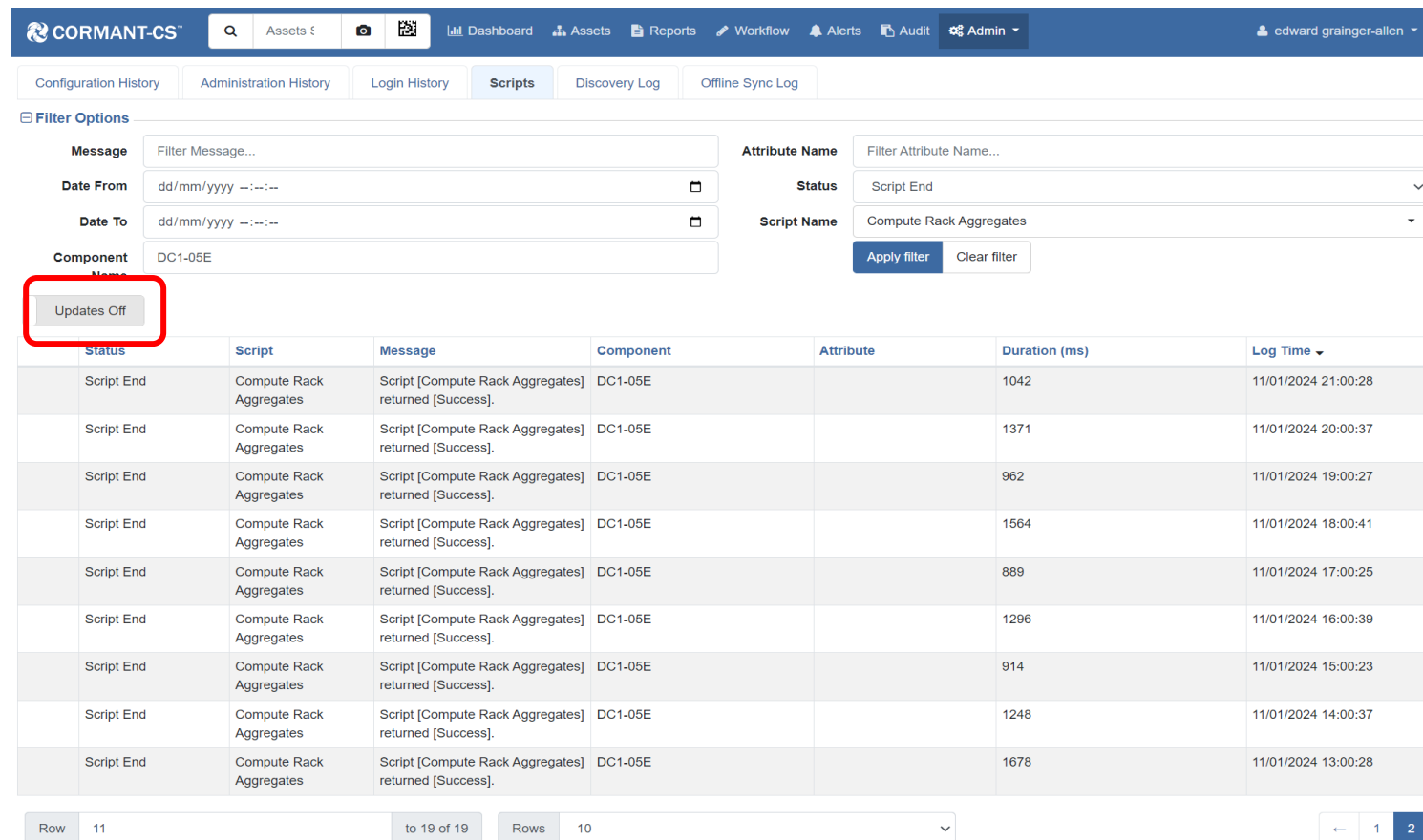
Row: 31

Rack Unit: 12

OK Cancel

Logs > Script Tab Re-Imagined

- ❑ The Script Logs tab has been altered so that it is more responsive and will work easily with all the log data that is available.
- ❑ A Toggle button **Updates Auto** (default) causes new logs as they are created to be sent to Grid
- ❑ All the Script logs in the DB can be Filtered using the Filter Section. The filtered view will be updated with new logs that fit the filter if the toggle is set to **Updates Auto**.
- ❑ The Grid columns can be Sorted – toggle changes to **Updates Off** and if the user changes toggle to **Updates Auto** the grid will revert to sort by **Log Time**.
- ❑ It is easy to search older logs by changing pages, but again the toggle will change to **Updates Off** and if the user changes toggle to **Updates Auto** the grid will revert to the first page.



The screenshot shows the CORMANT-CS interface. At the top, there's a navigation bar with 'CORMANT-CS' and a search bar. Below that, there are tabs for 'Configuration History', 'Administration History', 'Login History', 'Scripts', 'Discovery Log', and 'Offline Sync Log'. The 'Scripts' tab is active.

Under the 'Scripts' tab, there's a 'Filter Options' section with several input fields:

- Message:** Filter Message...
- Date From:** dd/mm/yyyy --:--:--
- Date To:** dd/mm/yyyy --:--:--
- Component Name:** DC1-05E
- Attribute Name:** Filter Attribute Name...
- Status:** Script End
- Script Name:** Compute Rack Aggregates

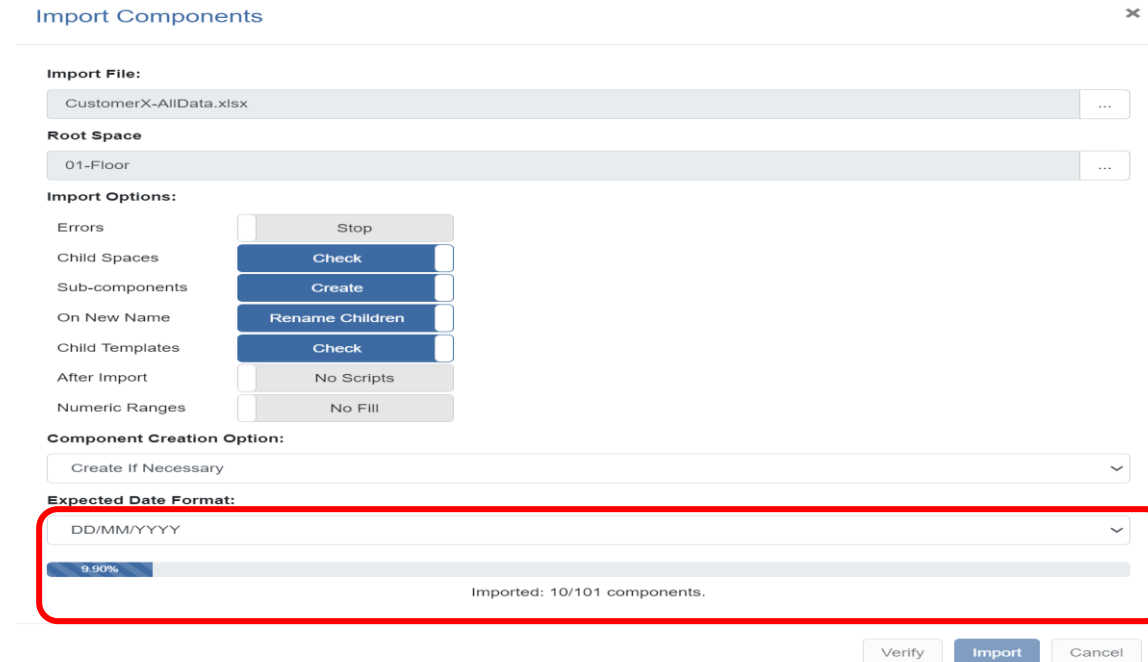
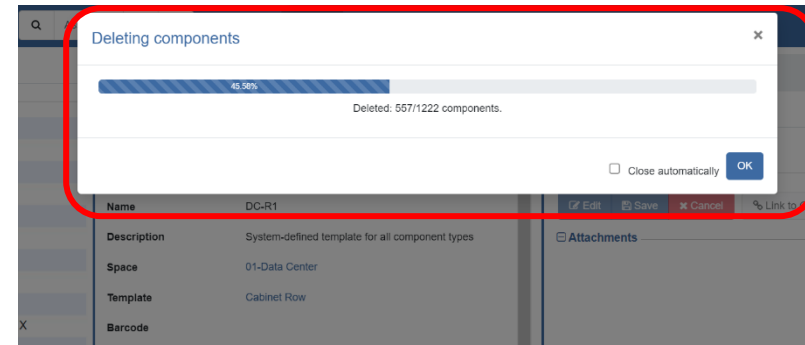
 There are 'Apply filter' and 'Clear filter' buttons.

Below the filter options is a table with columns: Status, Script, Message, Component, Attribute, Duration (ms), and Log Time. A red box highlights a toggle button labeled 'Updates Off' located above the table. The table contains 10 rows of log data, all with a status of 'Script End' and a message of 'Script [Compute Rack Aggregates] returned [Success]'. The component is 'DC1-05E' for all entries. The duration and log time vary.

At the bottom of the table, there's a pagination control showing 'Row 11 to 19 of 19' and 'Rows 10'. There are also navigation arrows and page numbers '1' and '2'.

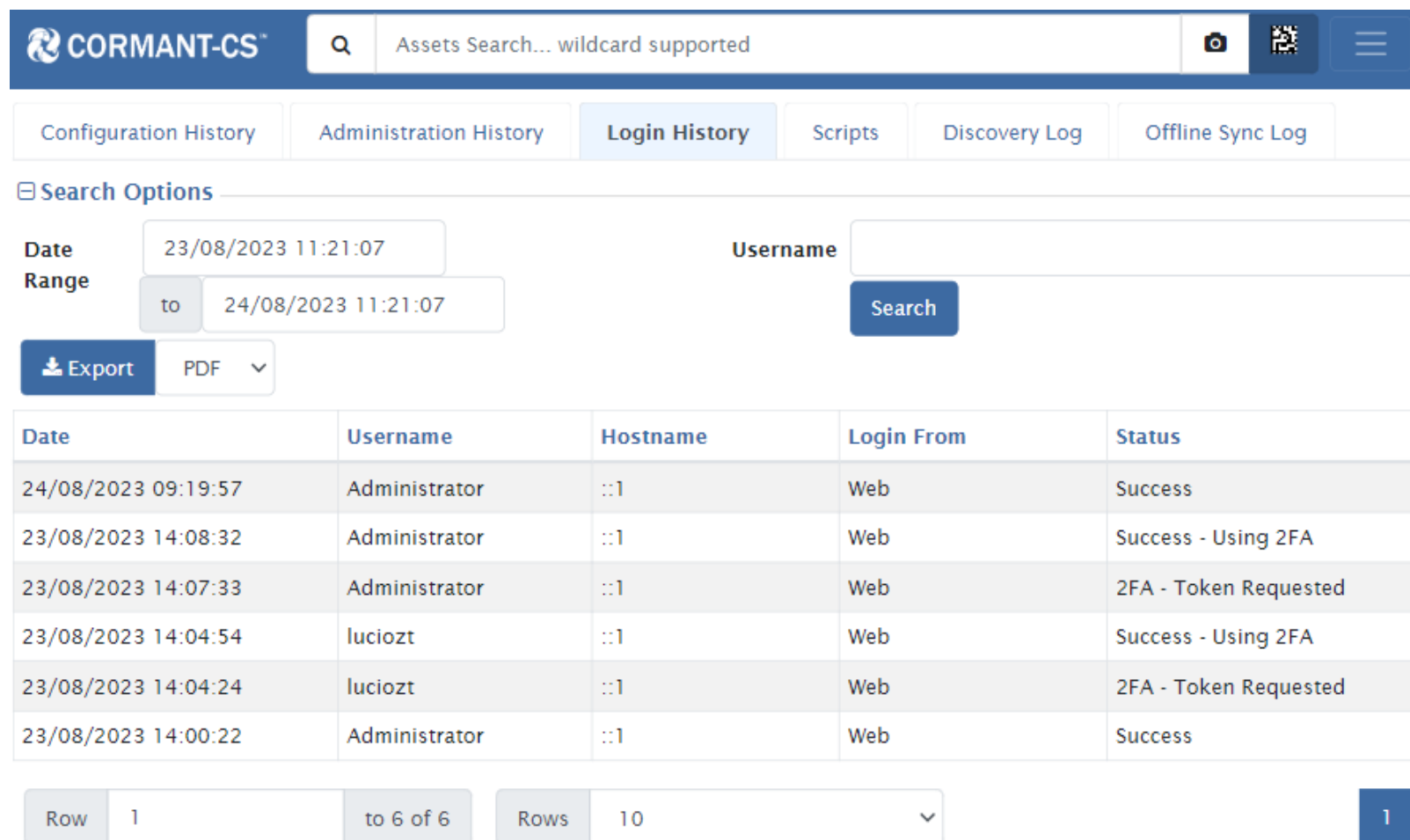
Asset Module Progress Bars

- ❑ We are introducing new progress bars that provide more info to the user.
- ❑ The first two are Asset Import and Asset Delete actions.
- ❑ The Delete process now shows a hide-able progress bar which shows the number of components deleted against the total to delete. (Ports are not counted)
- ❑ The Import process has the Progress Bar added to the bottom of the Import dialog.
- ❑ This shows the number of lines Imported against the total to import.



New Windows Offline App

- ❑ We have created a new Offline App that runs on Windows OS.
- ❑ This app looks and works the same as the Android Offline App
- ❑ The configuration of the server and Offline Sync Service is the same.
- ❑ Both Android and Windows Offline Apps can be used on portable devices in the same setup.
- ❑ Both 12.2.0 Windows and Android Offline Apps can be used with earlier Server versions (post 11.1).
- ❑ We have ported some CSWeb improvements to the Offline apps, such as: Component, Template, and Attribute filtered Selection dialogs.



The screenshot shows the CORMANT-CS web interface. At the top, there is a search bar with the text "Assets Search... wildcard supported". Below the search bar, there are several tabs: "Configuration History", "Administration History", "Login History" (which is selected), "Scripts", "Discovery Log", and "Offline Sync Log".

Under the "Login History" tab, there is a "Search Options" section. It includes a "Date Range" field with a start date of "23/08/2023 11:21:07" and an end date of "24/08/2023 11:21:07". There is also a "Username" field and a "Search" button.

Below the search options, there is an "Export" button and a dropdown menu set to "PDF".

The main content is a table with the following columns: "Date", "Username", "Hostname", "Login From", and "Status".

| 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 |

At the bottom of the table, there is a pagination control showing "Row 1 to 6 of 6" and "Rows 10".

Other Improvements.

- ❑ Users can now choose to rename Subcomponents when Renaming components via the Search Results tab.
- ❑ The History tab now has a loading spinner which can be cancelled, if the operation is taking longer than expected.
- ❑ Cormant-CS now uses the Date and Date/Time pickers that are part of the Browser being used to run Cormant-CS. This should give users a better, easier and more consistent experience when selecting dates.
- ❑ The Multi-Disconnect dialog will now disconnect devices connected to many devices, in one go (were a single "To End" device cannot be identified). It will prioritise disconnecting "To End" devices connected via a series of ports. If the device being disconnected is a passive device such as a patch panel only Patch Cables will be disconnected unless the "To End" device is specified.
- ❑ Security Updates and Library upgrades have been done.
- ❑ Speed improvements have been made.
 - ❑ Floor Plan Editing and Saving
 - ❑ Search Results Loading
 - ❑ History Loading
 - ❑ Custom Reports Loading
- ❑ Many, many bugs have been fixed.

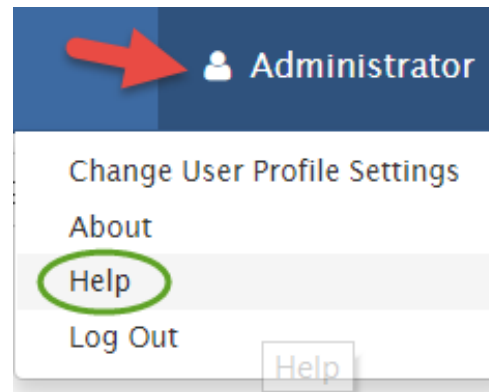
Information & Other Training Resources

- Release Notes to v12.2.0 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

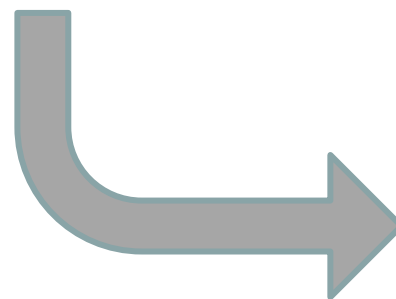
- Our Help System can be found on Cormant CS-Web, our web based platform.
- To access the Online Help feature:
 - On Cormant-CS Web, click on your UserName in the Top Right Corner
 - From the dropdown menu, click Help



- 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