



## xConnect Release Notes

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  - Bug Fixes

- Release 13.1: July 16<sup>th</sup>, 2020

- Enhancements

- Bug Fixes

- Release 13: June 23<sup>rd</sup>, 2020

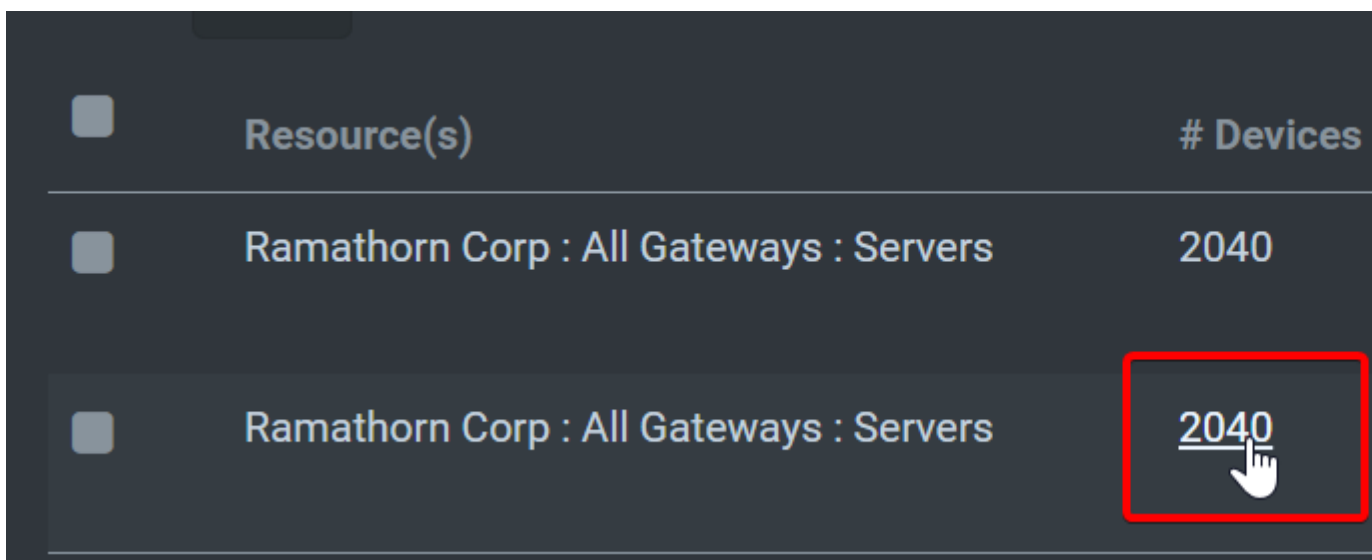
- Enhancements

- Bug Fixes

## Release 2021.06.0: June 30<sup>th</sup>, 2021

### Enhancements

- Custom event configurations will now show a complete list of impacted devices:



|  | Resource(s)                             | # Devices   |
|--|---|-------------|
|  | Ramathorn Corp : All Gateways : Servers | 2040        |
|  | Ramathorn Corp : All Gateways : Servers | <u>2040</u> |

## Associated Devices

### DEVICES

Show  items per  
page

| Device             | Type   | Model            |
|--------------------|--------|------------------|
| Backlock_Server002 | Server | Simulated Device |
| Backlock_Server003 | Server | Simulated Device |
| Backlock_Server004 | Server | Simulated Device |
| Backlock_Server005 | Server | Simulated Device |
| Backlock_Server006 | Server | Simulated Device |
| Backlock_Server007 | Server | Simulated Device |
| Backlock_Server008 | Server | Simulated Device |
| Backlock_Server009 | Server | Simulated Device |
| Backlock_Server010 | Server | Simulated Device |
| XNVR_SERVER01      | Server | Simulated Device |

Showing 1 to 10 of 2,040

## Bug Fixes

- Upon disabling a custom event configuration, any outstanding instances of the event will recover:

| Customer Name / Asset Type | Resource           |
|----------------------------|--------------------|
| Ramathorn Corp             | Ramathorn Corp : X |

## Release 2021.05.0: May 25<sup>th</sup>, 2021

### Enhancements

- Significant performance improvement on reporting latest health. Removal of direct queries on database backend.
- Removal of nested arrays within the remote command and event objects. Improved associations between the c

### Bug fixes

- Fixed erroneous characters found in "IN" query criteria (impacts Remote Commands and Custom Event Config
- Ensure that the login page always renders correctly.
- Gateway modal will now show the correct labeling when a gateway is offline or online.

## Release 2021.04.0: April 26<sup>th</sup>, 2021

### Enhancements

- Manual remote command executions are now tracked by the user who initiated the command:

## REMOTE COMMAND HISTORY

Show 10 ▼ items per page

| Device      | Date                      | Status    | Executed By    |
|-------------|---------------------------|-----------|----------------|
| BLT-DESKTOP | 04/26/2021<br>04:42:48 PM | Succeeded | mike<br>@arrow |

- Remote commands now supports up to 25,000 characters
- Support for Azure-based Active Directory authentication method. For more information, please see [Azure Authentication](#)

## Bug Fixes

- Ability to search the "Serial" field using the "IN" operator within the remote commands page:

## Define Device Filter Criteria

**\* Criteria must be fully defined before saving \***

**And / Or**

**Attribute**

**Operator**

Serial #



In (Item1, Item2, etc..)

Minor Release 2021.02.5: March 25<sup>th</sup>, 2021

### Enhancements

- Added query operator to Remote Commands and Custom Event Configurations

There is a new operator that will allow you to pull devices based on a comma-separated list of values. The functional

| And / Or | Attribute | Operator                 |
|----------|-----------|--------------------------|
|          | Name      | In (Item1, Item2, etc..) |

By choosing the "IN" operator, you can specify one or more values to search. In the example above, I am searching for

Minor Release 2021.02.4: March 10<sup>th</sup>, 2021

### Enhancements

- Enable or disable the ability to batch execute a remote command

There is a new control on the remote command edit form that will allow you to enable or disable the ability to execute

## Update Command

Command Name

Another Contains test

Success Response

1

Comm

Ba

Define Device Filter Criteria

\* Criteria must be fully defined before saving \*

And / Or

Attribute

Operator



AND



Serial #



Contains

Command Lines

1

test



Enable Batch Execution



If the command execution is disabled, you will not be able to hit the "play" icon on the remote command grid:

Show 10 items per page

| <input type="checkbox"/> | Command Name   | # Devices | Command    |
|--------------------------|----------------|-----------|------------|
| <input type="checkbox"/> | Bug Test       | 5265      | PowerShell |
| <input type="checkbox"/> | Install Zabbix | 0         | Batch      |

Checking the checkbox control will allow you (or any other power user) to perform a batch execution on the command.

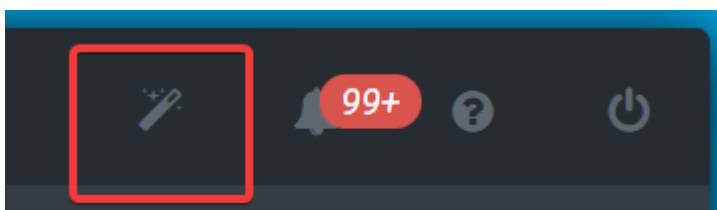
## Release 2021.02.0: February 6<sup>th</sup>, 2021

### Enhancements

- Virtual Gateway Onboarding Wizard

We have added the ability to create virtual gateways within your xConnect instance! Customers with the cloud gateway license will be able to create virtual gateways.

- Upon logging in to a **new** account with no gateways or devices, the onboarding wizard will automatically appear.
- At any time, you can open the onboarding wizard by clicking the icon in the header:



- The initial step of the onboarding wizard will enable you to begin onboarding a new Virtual Gateway or will take you to the device onboarding screen.

## Onboarding

What type of asset wo



**Virtual Gateway** (6 remaining)

The Virtual Gateway option will be enabled if you have 1 or more available licenses to your account. These licenses

- Clicking the Virtual Gateway icon will take you to step 2 of the wizard, you must enter a unique name for your

## Virtual Gateway Onboarding Step 1 of 3

Gateway Name

Gateway Name may contain letters (A-Z, a-z), numbers (0-9) and underscores.

Company

# of Available Virtual Gateways

6

[Back](#)

- Once you have chosen the customer and entered a unique gateway, click the "Next" button. The backend process will create the gateway.

## Virtual Gateway Onboarding Step 2 of 3

### Provisioning your Virtual Gateway...

Please wait while your virtual gateway is provisioned and started.

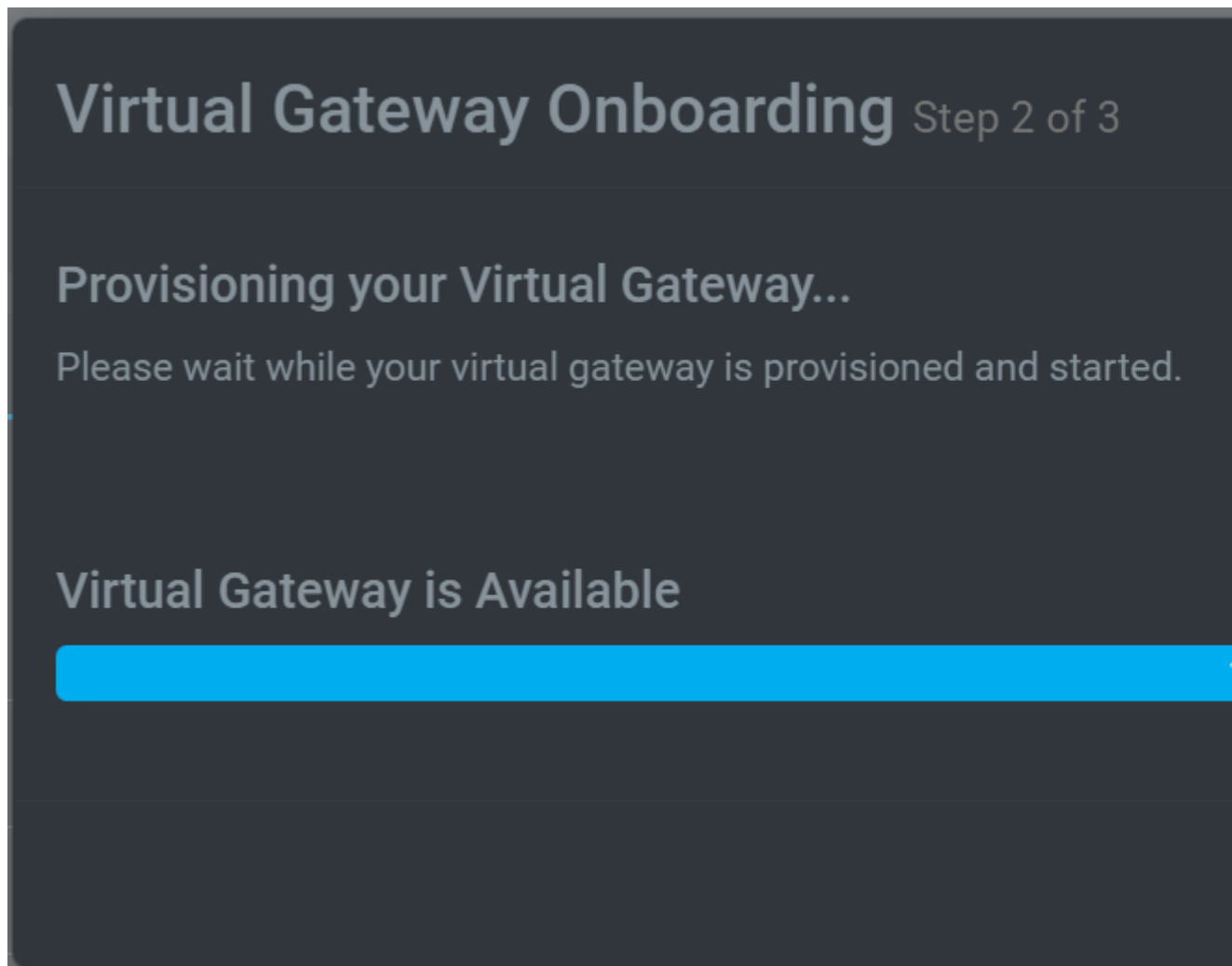
Request received...



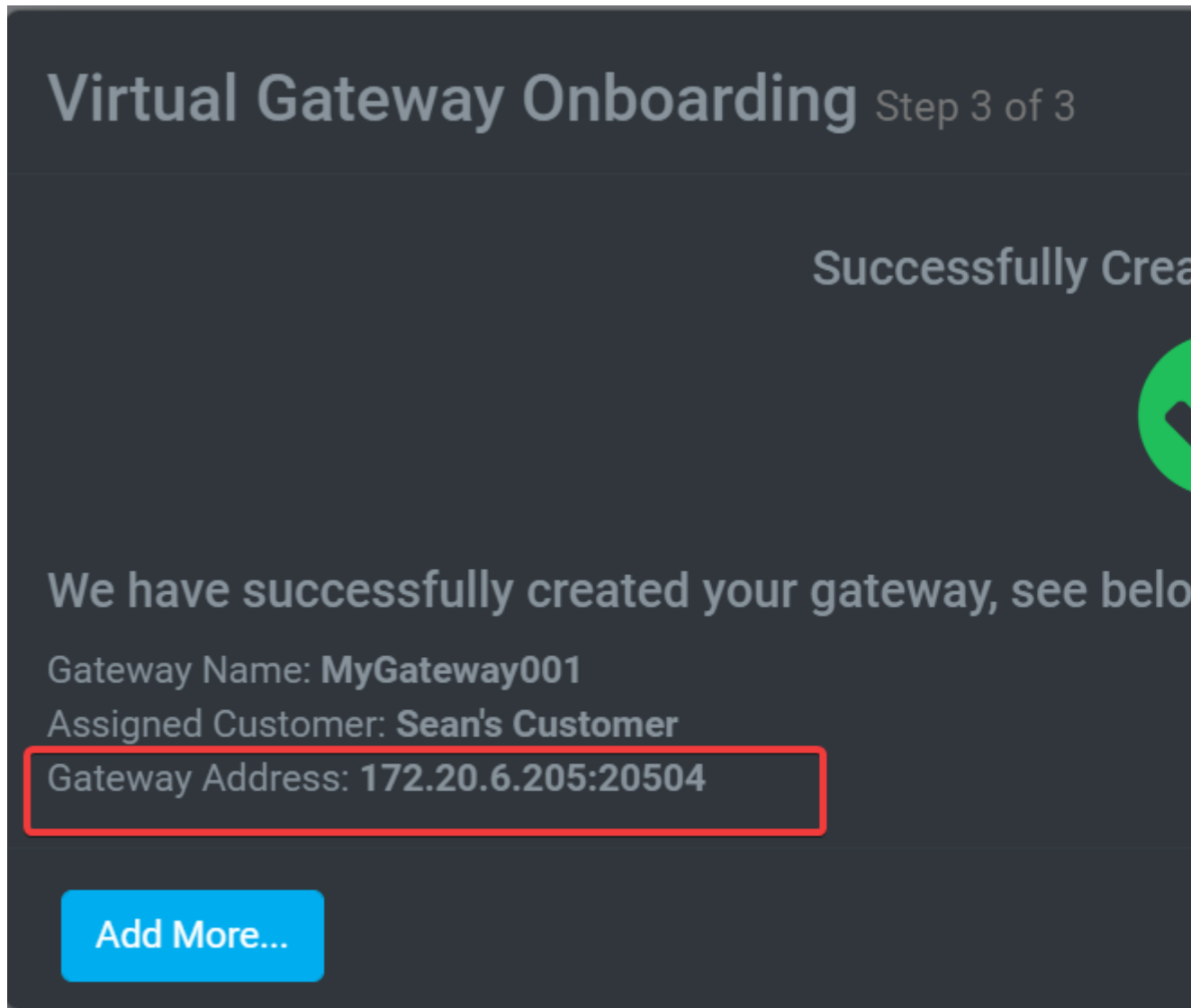
20%

During this time, xConnect is communicating with our cloud-based Docker API instance to spin up a new virtual

- Upon the gateway progress bar hitting 100%, you will be able to access your virtual gateway via the normal x



- Once successfully completed, the following message will appear and include the specific URL that you will u



Use the listed GATEWAY ADDRESS on your local xConnect agents to point them to the Virtual Gateway

Configure your local xConnect agents:

- On your local xConnect agent instance, go to <http://localhost:8886/settings> and enter the gateway address

## Local Profile and Cloud Configuration

Agent System Hostname:

Update/Transm

Management Port (iDRAC/iLO/IPMI) IP Address:

Gateway Address

Update Ring Identifier:

Remote Command Support: ☒ Enabled ☐ Disabled

- Automated Device Cleanup
- We have added an automated device clean up for any devices that have never submitted telemetry and were cre
- Device Health Added to Telemetry Report
- 

| Device                 |
|------------------------|
| 127.0.0.1 - Unit       |
| 172.20.6.117 - Camera  |
| 172.20.6.49 - Camera - |
| AXIS M3046-V Network   |
| AXIS P1428-E Network ( |
| AXIS002                |
| AXIS003                |
| AXIS005                |
| AXIS006                |

The custom telemetry report now includes the latest health of your devices.

- Custom Event Configurations Enhanced Filter

- 

Disabled custom event configurations will now be hidden from the list. You can show the disabled by clicking the

### Bug Fixes

- Redundant click when searching for an end user
- Updating custom events with associated alerts
- We have added a preventative measure that disallows you from making changes to a custom event configuration

## Release 2020.12.0: December 17<sup>th</sup>, 2020

### Enhancements

- Remote Command improvements:
  - Filtering has been added to the remote command execution history grid, which will allow you to filter by device



# Command History

## REMOTE COMMAND HISTORY

Show 10 ▼ items per page

| Device      | Date ▼                    | Status    |
|-------------|---------------------------|-----------|
| BLT-DESKTOP | 12/17/2020<br>03:45:41 PM | Succeeded |
| BLT-DESKTOP | 12/17/2020<br>03:44:55 PM | Succeeded |

- On the Remote Command history grid, the device names are now links that will take you to the device-specific

# Command History

## REMOTE COMMAND HISTORY

Show 10 ▼ items per page

| Device      | Date ▼                    | Status    |
|-------------|---------------------------|-----------|
| BLT-DESKTOP | 12/17/2020<br>03:45:41 PM | Succeeded |
| BLT-DESKTOP | 12/17/2020<br>03:44:55 PM | Succeeded |

- You can now export the entire execution history of a command as a CSV:

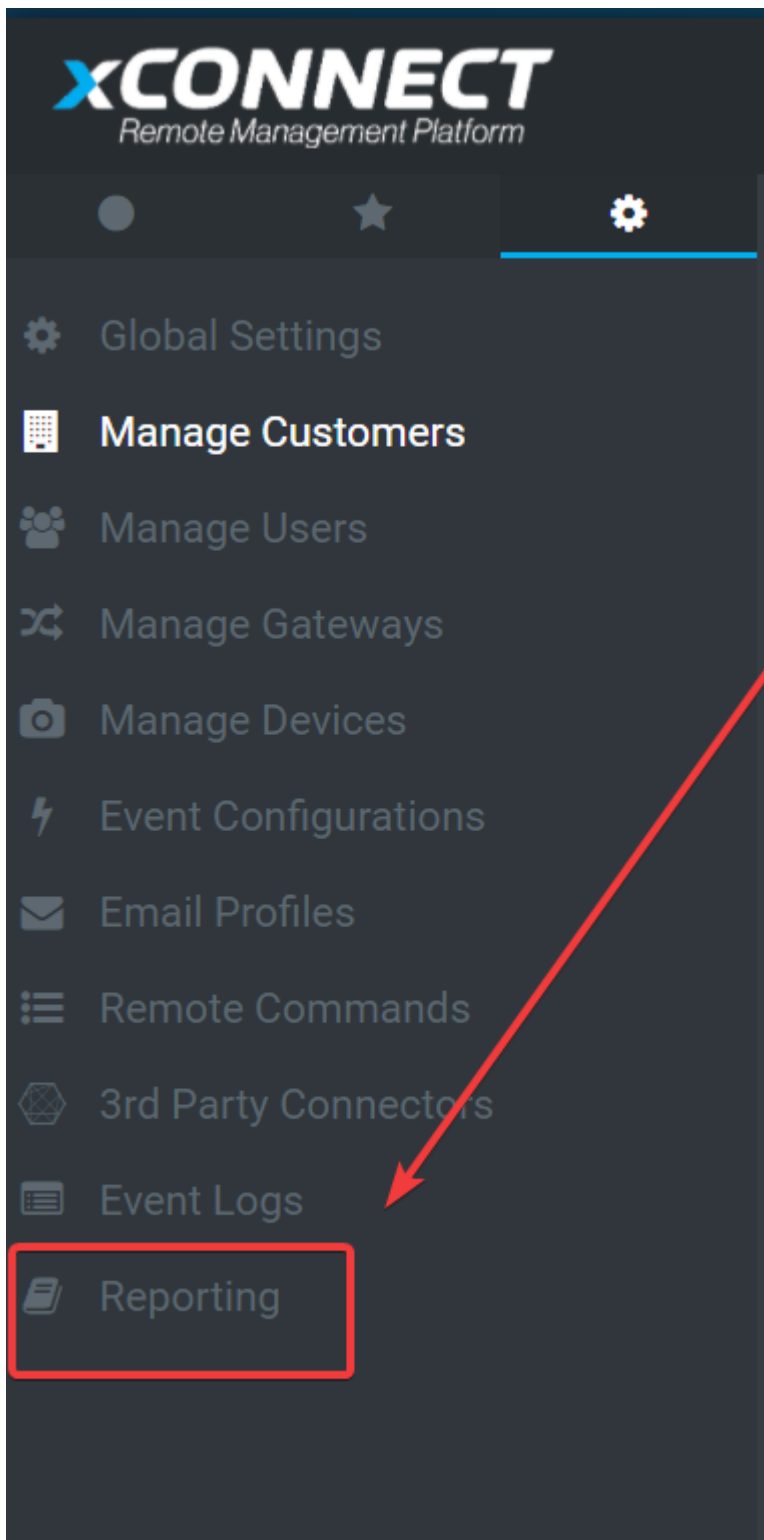
# Command History

## REMOTE COMMAND HISTORY

Show 10 ▼ items per page

| Device      | Date ▼                    | Status    |
|-------------|---------------------------|-----------|
| BLT-DESKTOP | 12/17/2020<br>03:45:41 PM | Succeeded |
| BLT-DESKTOP | 12/17/2020<br>03:44:55 PM | Succeeded |

- Reporting is now available for all power users and can be accessed by the settings menu:



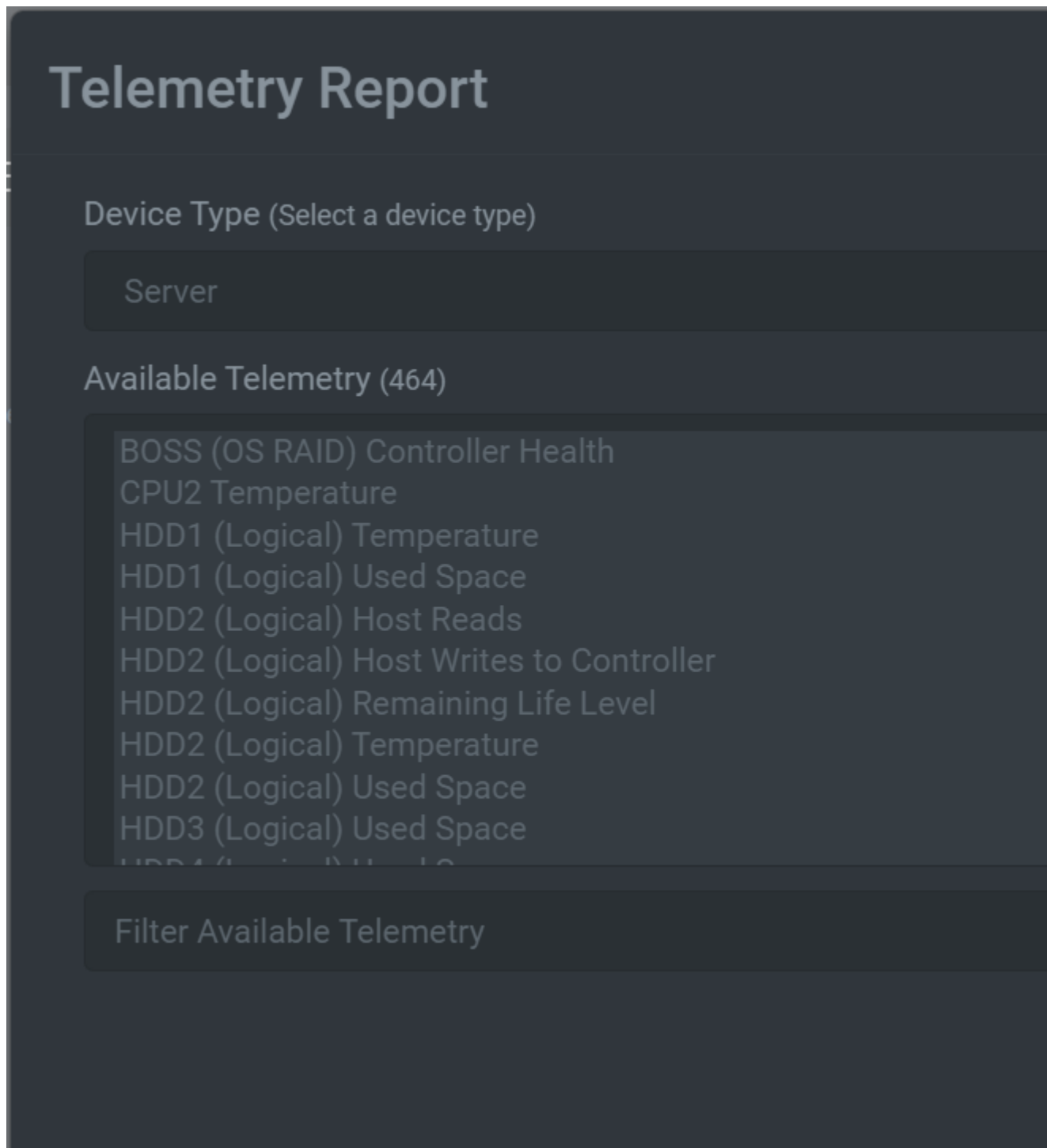
- Latest device telemetry report is now available for use:
  - You can access this by going to the Reporting page.
  - Click on the "Telemetry" link in the list.

## SETTINGS / REPORTS

### Telemetry

Provides a list of devices' latest telemetry value information. Telemetry

- This will open a modal enabling you to choose 10 or less telemetry points that will be included in the report.



Once your desired settings are selected, click the "CSV" button. This will generate the report as a comma separated file.

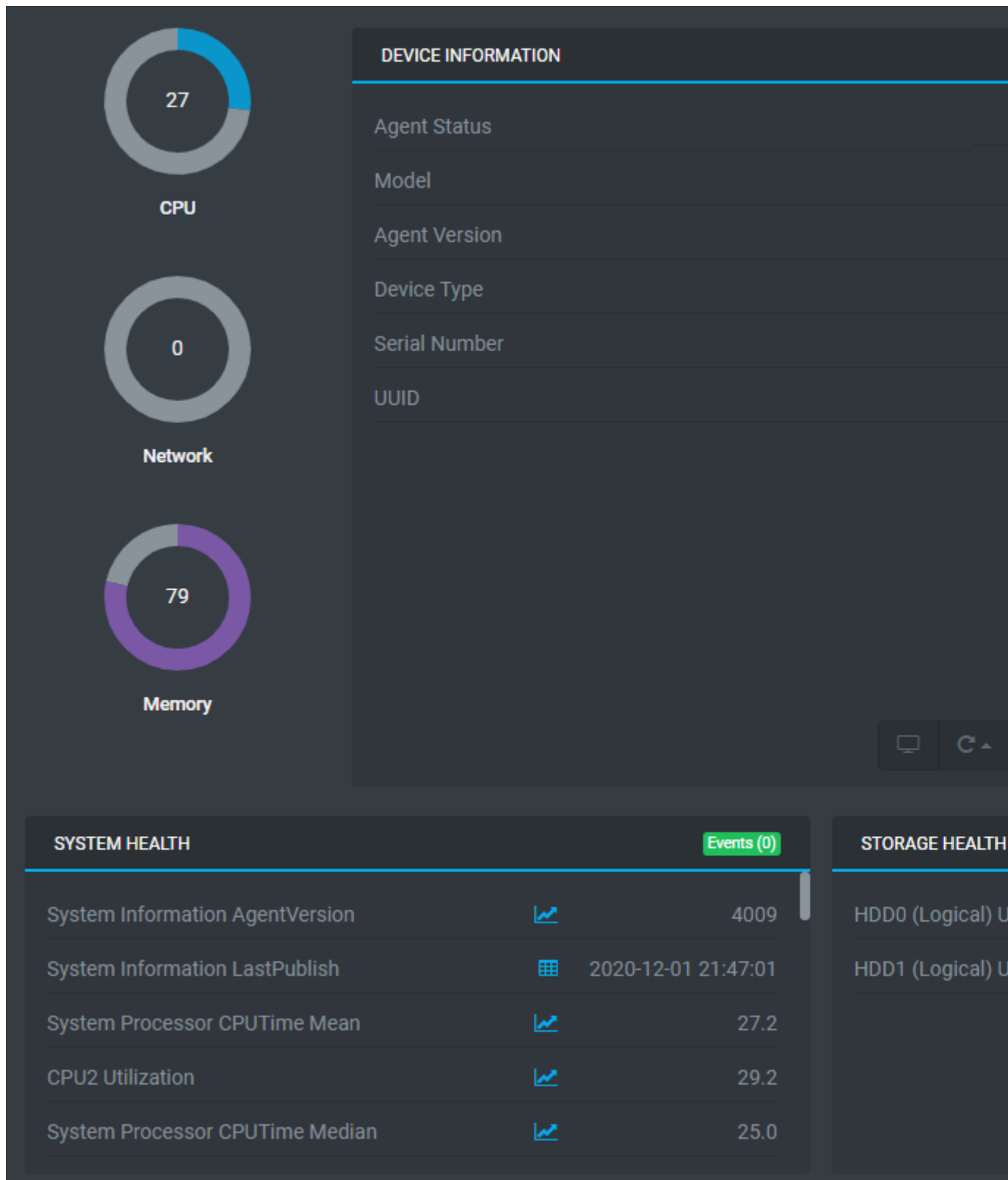
## Bug Fixes

- Sizing fix for the "Add Customer" modal when assigning a new gateway.
- All remote command buttons on dashboards are now hidden for end user roles. Power users can still access them.
- Copy/paste dashboard URLs are now working correctly.

## Release 16.0: December 1<sup>st</sup>, 2020

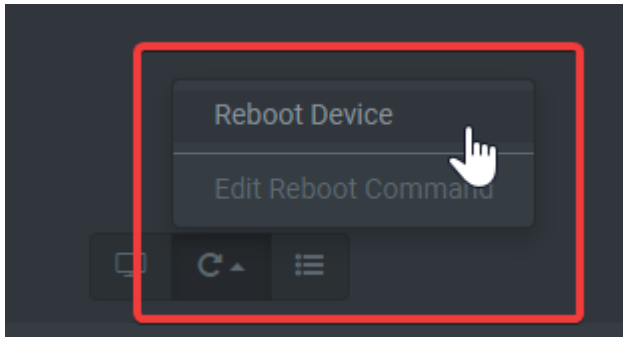
### Enhancements

- New user experience for Server and Media Player Dashboards



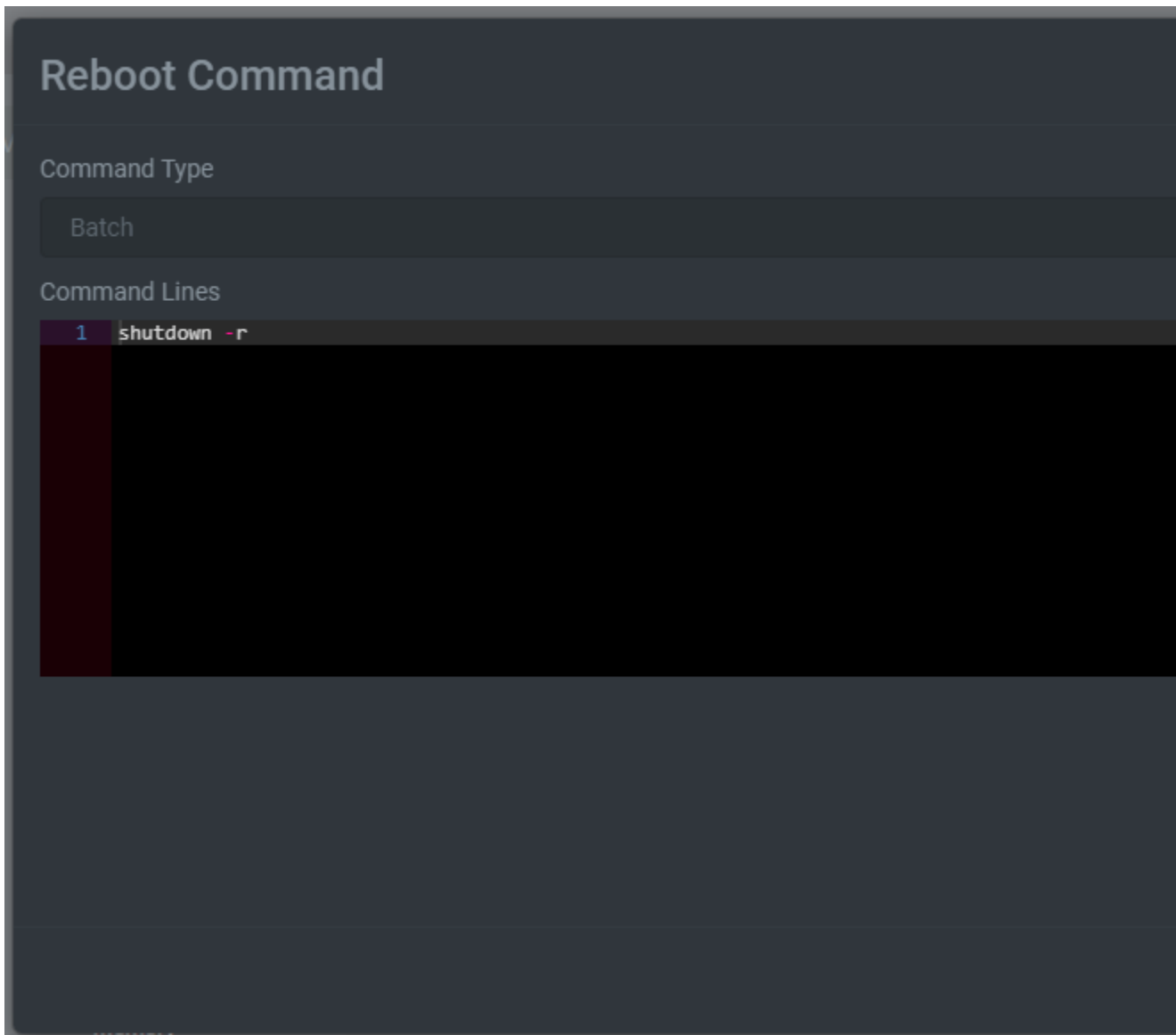
- Customizable dashboard reboot button
  - Users may now customize which command is run upon clicking the reboot button on the dashboards.



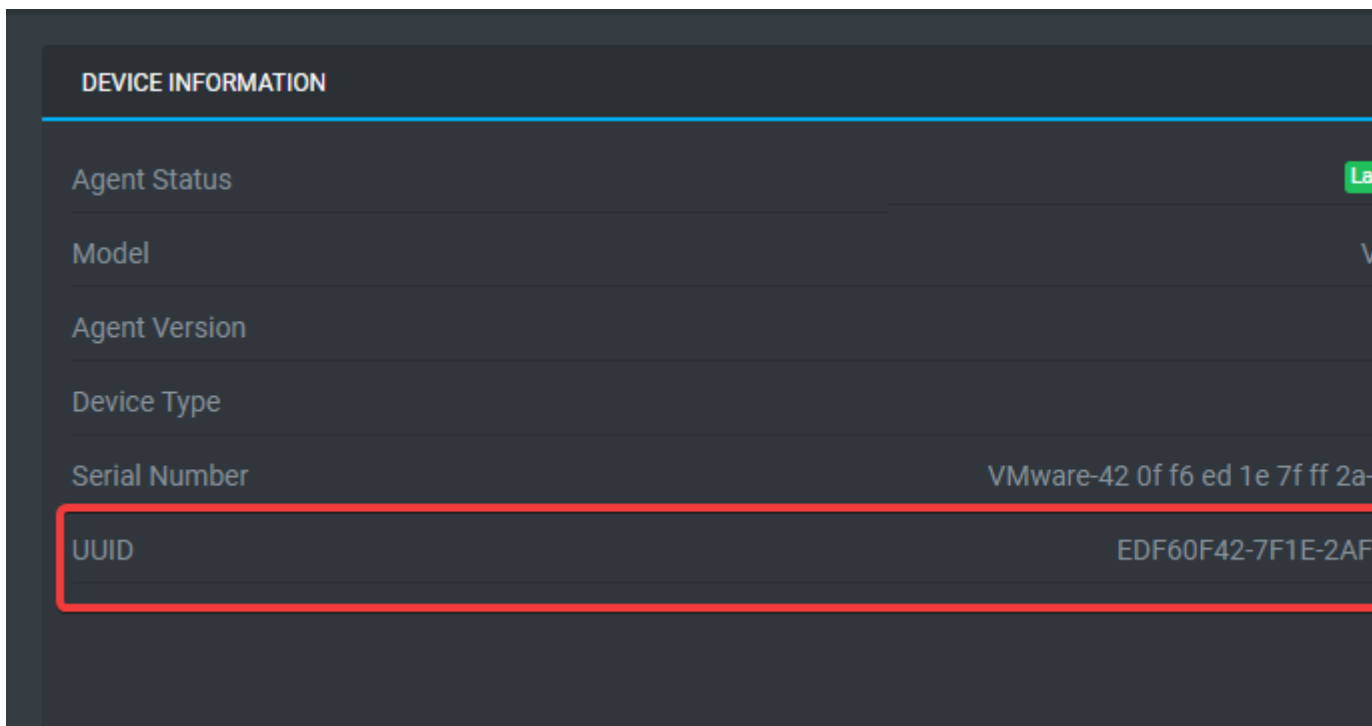


How to edit your command:

- a. Go to your desired dashboard via the side menu
- b. Click on the reboot button on the information panel.
- c. If the menu is plain text, then the admin has not created a default template for you to use yet. If the menu is c



- Added UUID to the device information panels




## Bug Fixes - Fix for defining OR criteria on remote command query definitions. - You may now define two or more

## Release 15.0: October 15<sup>th</sup>, 2020

### Enhancements

- Enhanced Device Selection with Query Builder
  - The Remote Command and Custom Event Configuration forms have been modified to support dynamic de
    - Name
    - UID
    - Device Type (Media Player, Camera, Server, etc...)
    - Model
    - Serial #

There is currently no limit on how many filters can be added. NOTE: Any existing custom event configurations o

 Define Device Filter Criteria

\* Criteria must be fully defined before saving \*

|   | And / Or | Attribute |
|---|----------|-----------|
|   |          | Type      |
| ✗ | AND      | Model     |
| ✗ | OR       | Serial #  |

Remote Commands:

You can access the remote command form by going to the Settings tab > Remote Commands. Click Create New Co

## Create New Command

Command Name

Another Reboot

Success Response

0

Command Type

BATCH

Define Device Filter Criteria

\* Criteria must be fully defined before saving \*

| And / Or | Attribute | Operator   |
|----------|-----------|------------|
|          | Type      | Equals (=) |
| ✗        | Type      | Equals (=) |
| ✗        | Type      | Equals (=) |
| ✗        | Type      | Equals (=) |

Command Lines

Custom Event Configurations:

You can access custom event configurations by going to the Settings tab > Event Configurations > Custom Configurations

# New Custom Event Configuration

Select Customer

Select Customer

Define Device Filter Criteria

\* Criteria must be fully defined before saving \*

And / Or

Attribute

Type

Select Telemetry

Select Telemetry

</>

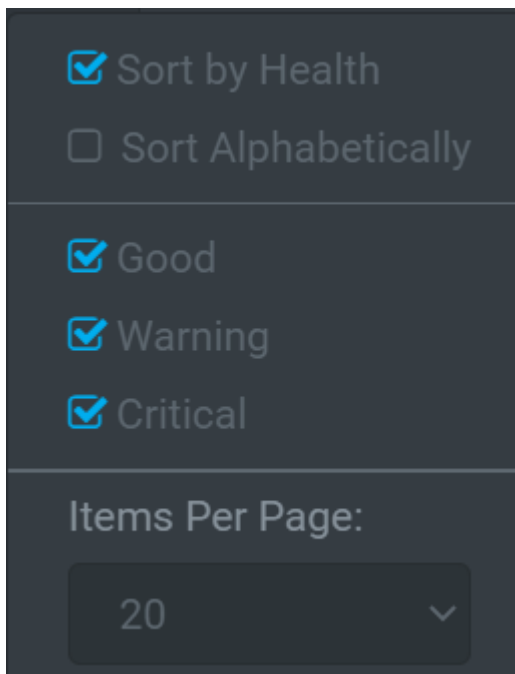
Select Threshold Operator

Select Threshold Operator

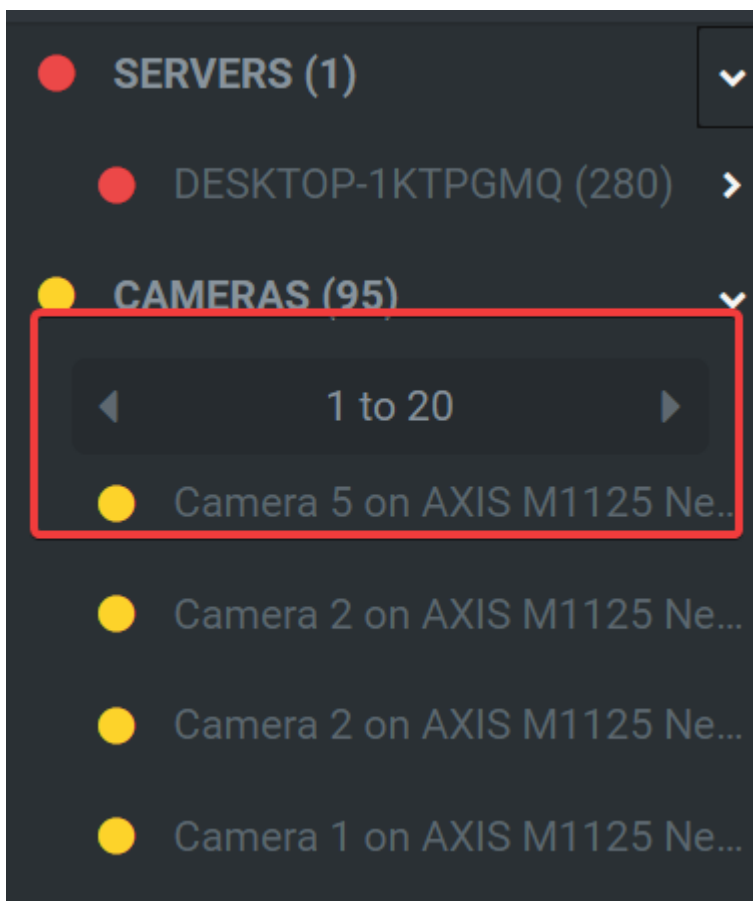
- Side Menu Paging

•

The side menu now features enhanced pagination controls to ensure fast loading of your dashboards. The

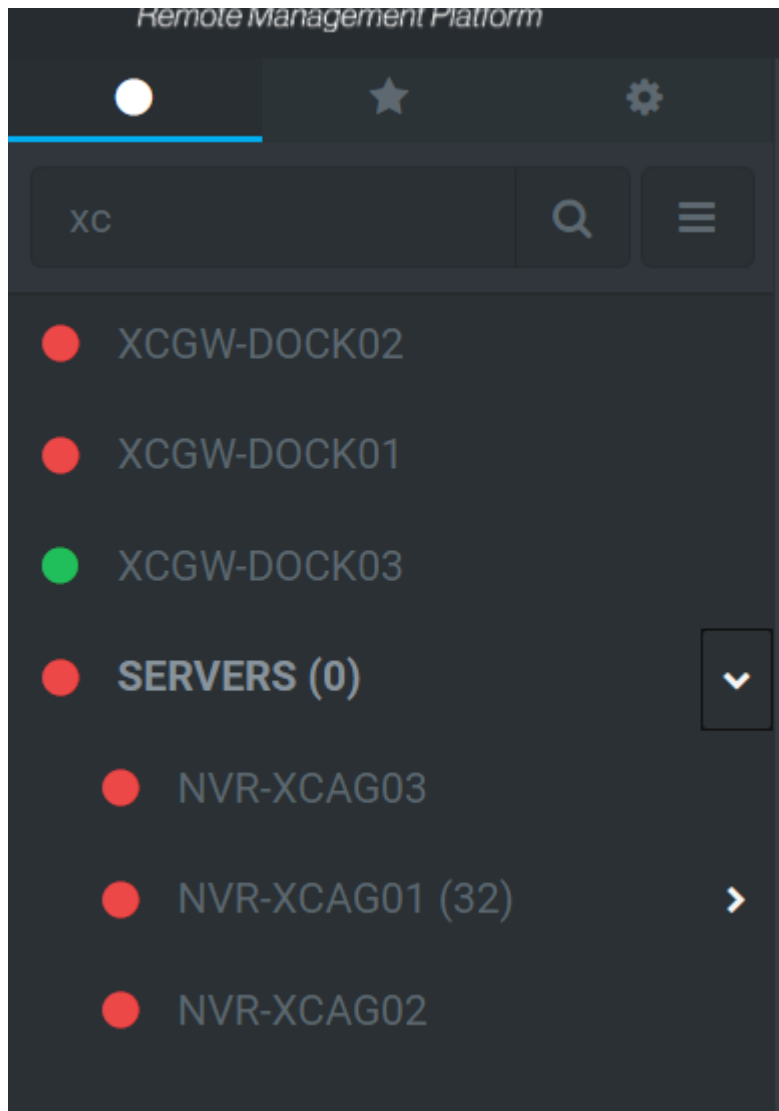


Choose an item from the "Items Per Page" dropdown and the side menu will only show that # of items per page



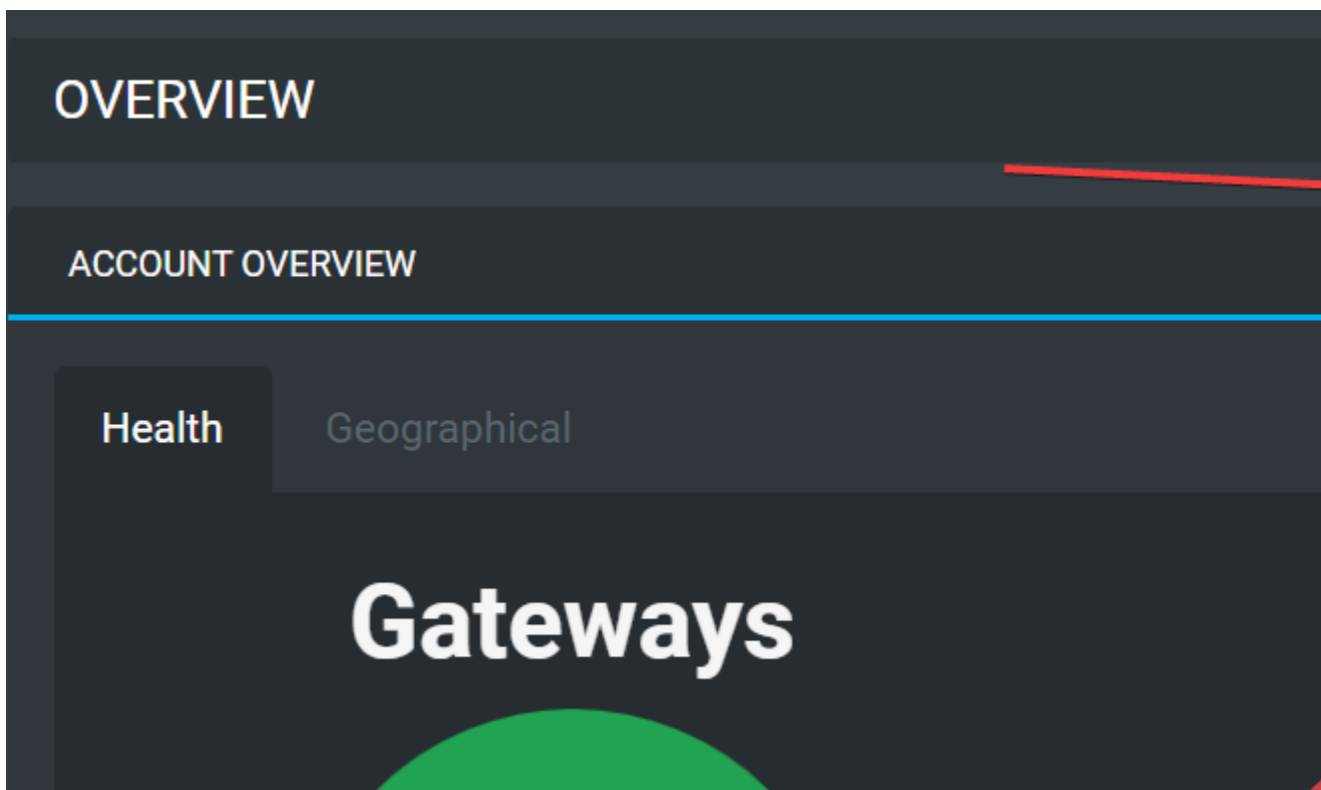
- Global Search

- We are now supporting global search! You can leverage the side bar search textbox to search across all assets

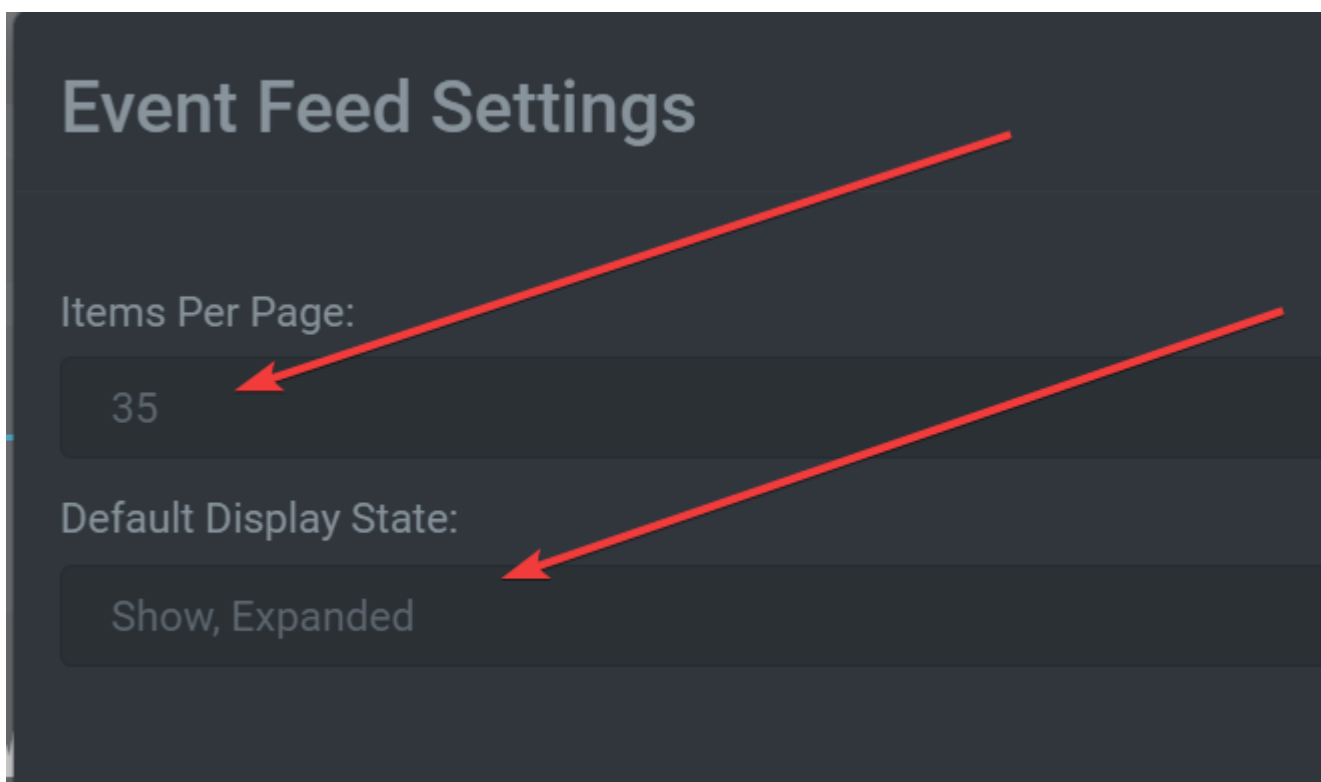


- Customizable Event Feed

- You can now customize how many events you want displayed on all event feed panels:



Clicking the gear icon will open a modal enabling you to define how many items you would like displayed on each page.



## Bug Fixes

- Name of the device is now driven by the hostname sent via the agent.



- Clicking on the bookmark tab preserves your current location on the site.

## Release 14.0: September 7<sup>th</sup>, 2020

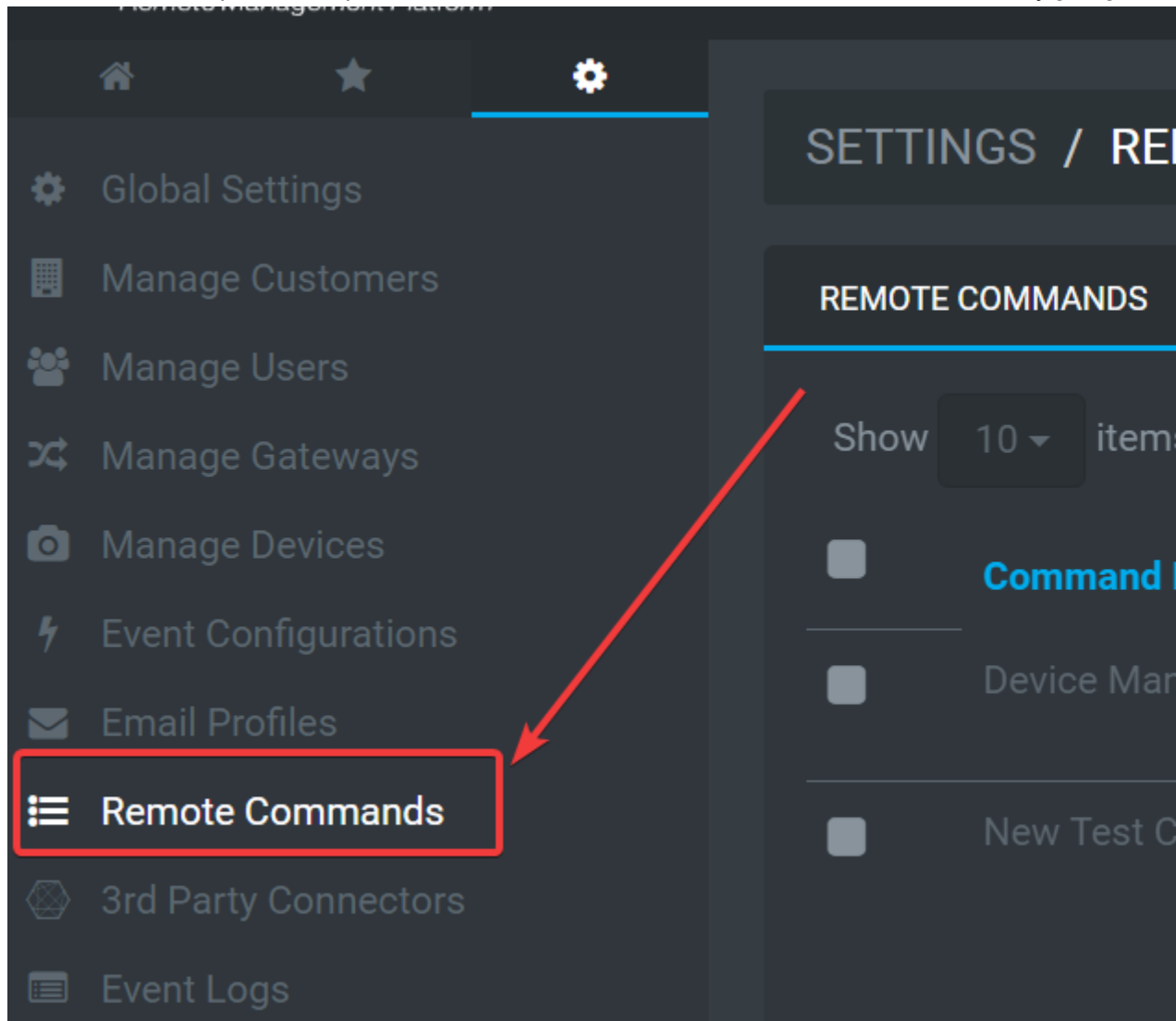
### Enhancements

- Remote Command Execution Status Support
- 

We've added the ability to see the current status of a remote command execution on the device dashboard.

## Remote Command History

- There is now a complete list of previous executions for a remote command. You can see this by going to Settings / Remote Commands



## Backend Process Improvements

- We've implemented several performance improvements on our backend design to ensure the best user experience.

## Bug Fixes

- Unlocking a user from Manage Users will now clear out prior bad log in attempts.
- Remote Commands will now fire automatically if assigned to an event.

## Release 13.1: July 16<sup>th</sup>, 2020

### Enhancements

- Alert Summary E-mail Support
- We've added the ability to group your e-mail alerts together within a standard summary e-mail template.

**How to Enable:** - Log in using your credentials \*note: You must be a power user in order to access this functionality -

## SETTINGS / GLOBAL SETTINGS

### MANAGE APPLICATION SETTINGS

☐ Enable Summary Alerting

#### E-mail Addresses

Enter the e-mail addresses you would like the summarized e-mails

E-mail Addresses

mike.billington@arrow.com,sean.rhode@arrow.com

- Once enabled, you will no longer receive individual e-mail alerts based on your event configurations. A summary

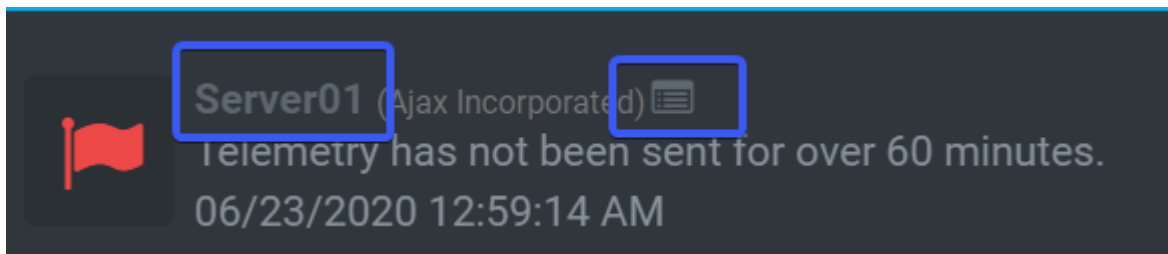
### Bug Fixes

- Newly added devices will now automatically be applied with e-mail alerts, remote commands, or third party conn

## Release 13: June 23<sup>rd</sup>, 2020

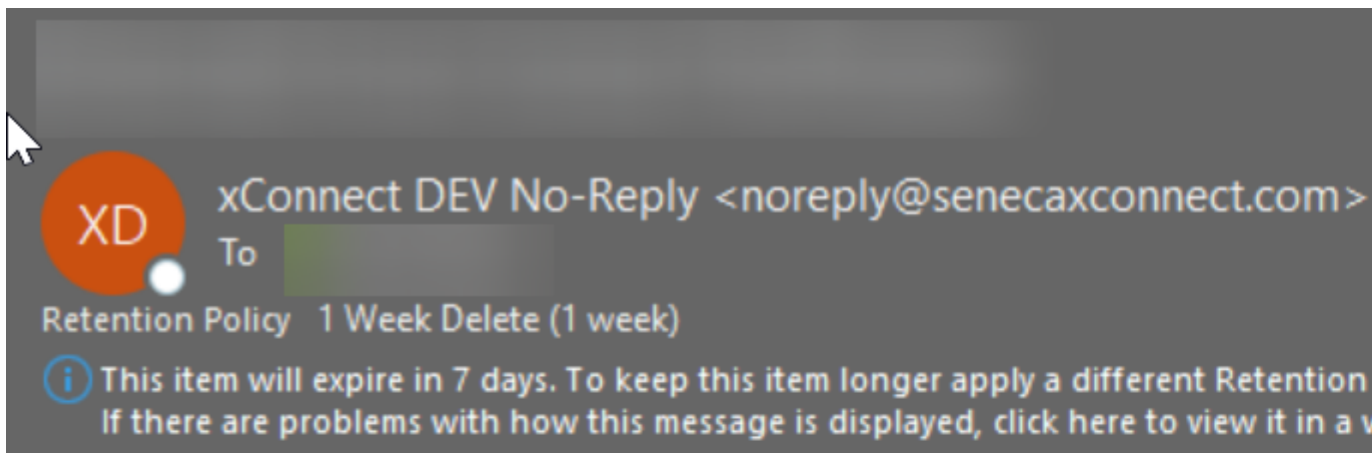
### Enhancements

- Event Feed alterations to the navigation links.
- Modified the way the event feed links navigate a user to the appropriate device dashboard and event log listing.



Upon clicking the device name (i.e. Server01) a user will be taken to the device dashboard. Clicking the table icon (

- Company Abbreviation added to all alerting e-mails
- Enables xConnect support to easily identify which e-mail alerts originated from a particular xConnect customer.



**CAUTION:** This email originated from outside of the organization. This message may contain confidential information. If you are not the intended recipient, please do not open, copy, or distribute this message.

The following criteria was met: Network\_NIC1\_MaxLinkSpeed > 20

Device information:

UID: 4C4C4544-0059-5010-8048-C2C04F584D32

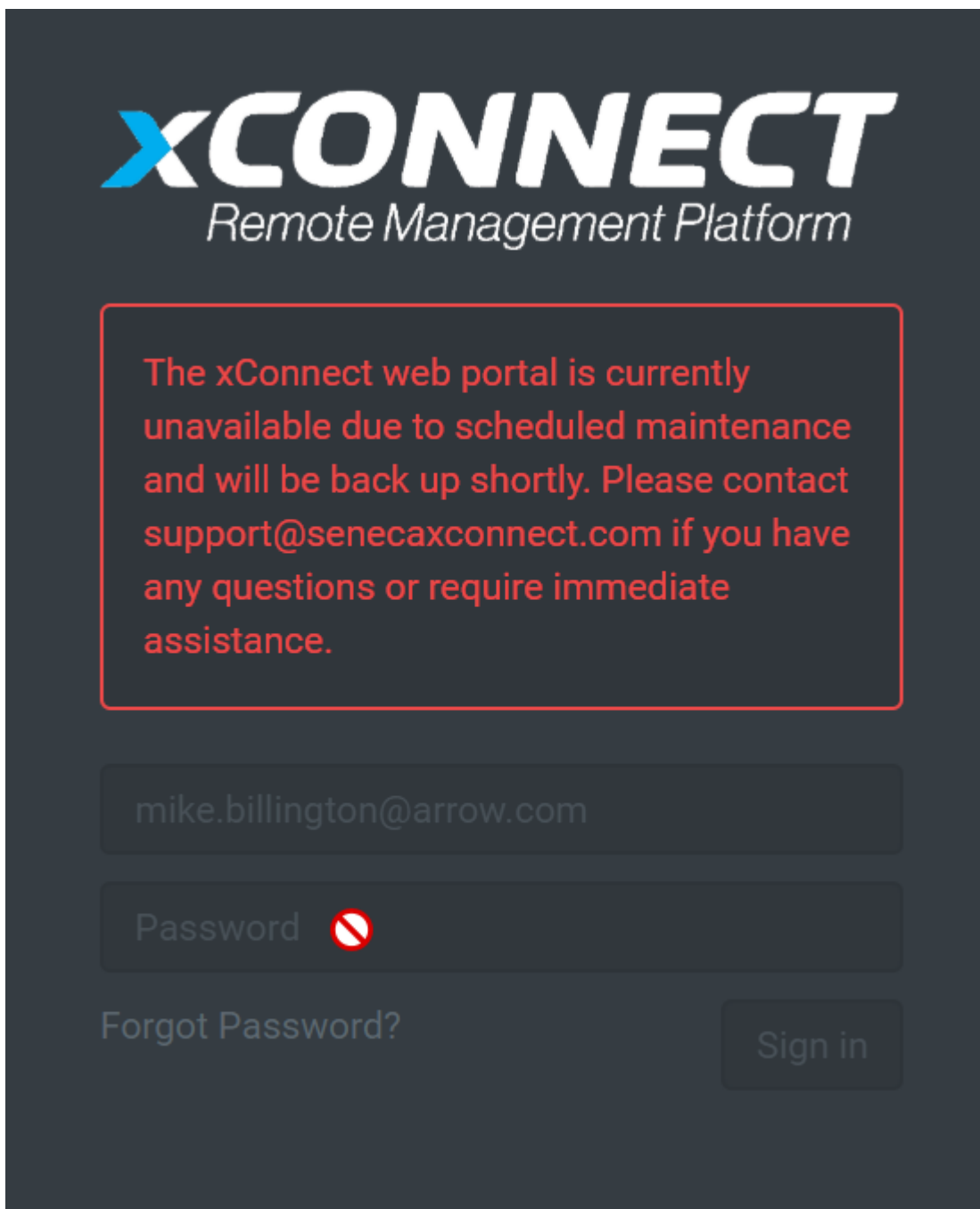
Event information:

Timestamp: 2020-05-15T15:46:07.026Z

Network\_NIC1\_MaxLinkSpeed: 500

Company Code: ABC

- Release version # added to the home page, which links to release notes.
- Maintenance mode: prevents potential spamming of alerts in the occurrence of a scheduled maintenance window.



- User preferences now preserves your selections for expanding or collapsing panels on your dashboards.

## Bug Fixes

- Event logs now include custom outage duration notices instead of default 60 minute outage windows.