



Powering Business Worldwide



Cumulative Release Notes

Release 6.0.1

Version 1

May 2019

Eaton

www.eaton.com/powerquality

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Contact Eaton Support

For your convenience, Eaton provides support to assist you with questions on installation, operation and troubleshooting. Please contact us at:

softwareconnectivityts@eaton.com

800-356-5737 option 2, option 5, option 1

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1. Introduction

1.1. About This Guide

This guide provides detailed information related to the features and enhancements provided in recent releases of the application.

2. Release Details

This version of the product is available as an upgrade patch to the previous release.

2.1. Upgrade Patch

The following details apply to the upgrade patch version of the installation which is applied to an existing instance of the application only. To perform a new install of the application please visit the support portal for links to the full installer and supporting documents.

2.1.1. Upgrade Patch Details

Item	Description
Name of Install File	VPMPatch-190415-C-6.00.00001.tar.bz2
Type of Install File	Upgrade
MD5 Checksum	eedbfa95fed30ee3c8772ebc0d03ced3
Release Date	May 11, 2019
Version Affected	6.0.0
Version of 3D Client Required	6.0.1

2.1.2. Upgrade Patch Prerequisites

The following items are required to complete a successful installation of this release.

Please ensure all pre-requisites are met prior to starting any installations of the application.

- **WARNING: Before installing this patch, please ensure that ALL VPM servers have at least one known-good and recent backup and/or VM snapshot to rollback to if necessary.**
- **YUM repository is required for patch installation.** Please see the YUM section of the Server & OS Installation Guide for YUM configuration details.
- All VPM servers must have version affected (as noted above) installed
 - Version number is visible on the Web Interface link ribbon bar on the upper left or
 - On the server run: `cat /opt/VDC/VERSION`
- **WARNING: If the VPM system consists of multiple servers, it is vital to install this patch in the following order:**
 - Master Database Server first
 - Then the Master Server
 - Finally all the Probe Servers
 - If the Master Database Server and Master Server reside on the same server, apply this patch on that server first
- Must have SSH access via a tool like PuTTY to gain command line access on the server
- Must have access to the systems using the root user account
- Must have the ability to transfer the patch file to the server (example: WinSCP)
- Confirm the integrity of the patch transfer by comparing the MD5 checksum located in the Patch Details above:

- After moving the file from your local system to the application server run:
`md5sum PATCH_NAME.tar.bz2`
- Confirm that MD5 Checksum matches the value in the table above.

2.1.3. Upgrade Patch Installation Instructions

Follow the instructions below to successfully apply this version of the product to your existing application servers.

WARNING you will be presented with a similar message at the beginning of the installation. Please ensure that the conditions are met before starting the install.

```
# /opt/VDC/patch/VDCPatch-180204-C-5.04.00000/install
Before installing this patch, please ensure that ALL VDC servers have at least one known-good and
recent backup and/or VM snapshot to rollback to if necessary. Is such a known-good and recent
backup and/or VM snapshot available for EVERY VDC server? (YES/NO): YES

If the VDC system consists of multiple servers, it is vital to install this patch on the Master Database
Server first, then the Master Server, finally all the Probe Servers. If the Master Database Server and
Master Server reside on the same server, apply this patch on that server first. Is this required
installation sequence being followed correctly? (YES/NO): YES
```

- Upload **PATCH_NAME.tar.bz2** onto all application servers under `/tmp/`
- Login to all application servers as root user
- Extract the patch installer by running:
 - `tar -C /opt/VDC -xvf /tmp/PATCH_NAME.tar.bz2`
- Apply the patch by running:
 - `/opt/VDC/patch/PATCH_NAME/install -u {certified | customized | locked}`

The `-u` option is required and will control how updates to the model library will be processed. Most upgrade packages include updates to existing models and creation of new models in the model database. Select one of the three options for managing this model update like in the example below:

```
/opt/VDC/patch/PATCH_NAME/install -u certified
```

- Certified – The application will receive the most up to date model information for models included in the upgrade file. For existing models, changes to the model will be overwritten with the configurations included in the patch. If the model does not exist, then it will be created.
- Customized – If the model exists in the application it will NOT be updated with the information contained in the upgrade file. If the model does not exist, then it will be created.
- Locked – The model information will NOT be processed into the application as part of the upgrade process.

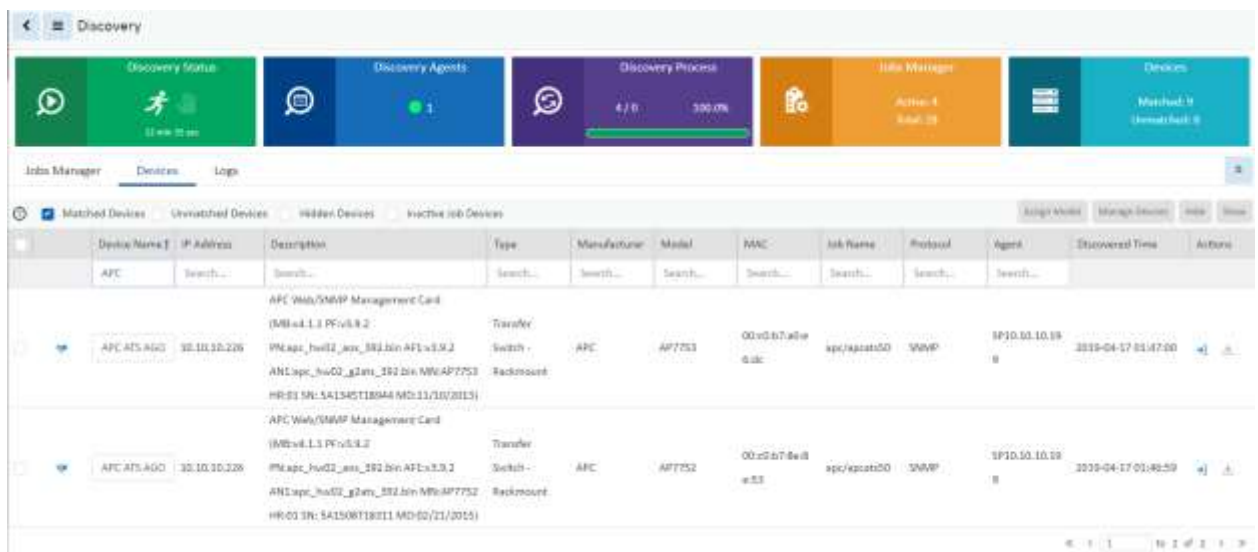
- **Clear browser history** after installation before launching a web session to log into the new version of the application.

3. Version 6.0.1 New Features and Enhancements

The following list of features, enhancements and bug fixes are included in this version of the product. The prefix for each item included in this release will indicate if the enhancement is included in the Web interface, 3D client interface or Both interfaces. If no prefix is listed, then the enhancement is a general enhancement to the application without an update to the user interface. Items listed with a reference in [] were originated in the Customer Support Portal. The number in [] is a reference to the Support Portal Ticket ID.

ID	Description
3352	WI: Support APC Rackmount ATS in Discovery
3353	WI: Add Connections Table in Device Central
3355	WI: Navigation Tree Enhancement
3362	WI: Support Starline Power Bus in Discovery
3363	WI: Support Server Tech PDU in Discovery
3364	WI: Support Eaton M2 UPS in Discovery
3365	WI: Add Power Source on Rack Capacity Dashboard
3366	WI: Add About Link to Help Page
3367	WI: Location Access Control List Enhancement
3368	WI: Support Import Navigation Tree Nodes
3369	WI: Daisy Chain Firmware Push
3370	WI: Support firmware and load segment controls for both models of cards in Eaton devices
3378	Update UPS Battery Replacement Report
3381	Add Firmware Version as Monitored Data Points

- 3352 WI: Support APC Rackmount ATS in Discovery**
 Added ability to discover APC rackmount ATS devices.



Added a monitoring template for APC Rackmount ATS models.

The screenshot shows the 'Monitoring Template - APC Rackmount ATS' configuration page. The page includes a sidebar with navigation options like Home, Data Analysis, Alarms, and Monitoring. The main content area shows the template configuration with fields for Name, Category, and Description. Below this is a table of monitoring parameters.

Attribute ID	Attr	Data Type	Monitor Type	Parameters/Formula	Value Type	Unit	Status
Active Source		State	WSP	OK(1.18.1.41.118.1.1.8.1.2.1)	Enum		<input checked="" type="checkbox"/>
ATS Status		State	WSP	OK(1.18.1.41.118.1.1.8.1.10.1)	Enum		<input checked="" type="checkbox"/>
Config Current Limit		State	WSP	OK(1.18.1.41.118.1.1.8.4.0)	Default	A	<input checked="" type="checkbox"/>
Config Frequency Deviation		State	WSP	OK(1.18.1.41.118.1.1.8.11.1)	Enum		<input checked="" type="checkbox"/>
Config Front Panel Lockout		State	WSP	OK(1.18.1.41.118.1.1.8.4.3.0)	Enum		<input checked="" type="checkbox"/>
Config Input Voltage Rating		State	WSP	OK(1.18.1.41.118.1.1.8.4.0.0)	String	V	<input checked="" type="checkbox"/>
Config Line VRMS Medium Limit		State	WSP	OK(1.18.1.41.118.1.1.8.4.0.0.0)	Default	V	<input checked="" type="checkbox"/>
Config Line VRMS Narrow Limit		State	WSP	OK(1.18.1.41.118.1.1.8.4.3.0)	Default	V	<input checked="" type="checkbox"/>
Config Line VRMS Wide Limit		State	WSP	OK(1.18.1.41.118.1.1.8.4.1.1.1)	Default	V	<input checked="" type="checkbox"/>
Config Preferred		State	WSP	OK(1.18.1.41.118.1.1.8.4.2.0)	Enum		<input checked="" type="checkbox"/>
Config Sensitivity		State	WSP	OK(1.18.1.41.118.1.1.8.4.4.0)	Enum		<input checked="" type="checkbox"/>
Config Transfer Voltage Range		State	WSP	OK(1.18.1.41.118.1.1.8.4.1.0)	Enum		<input checked="" type="checkbox"/>

There is a corresponding dashboard for APC rackmount ATS devices.

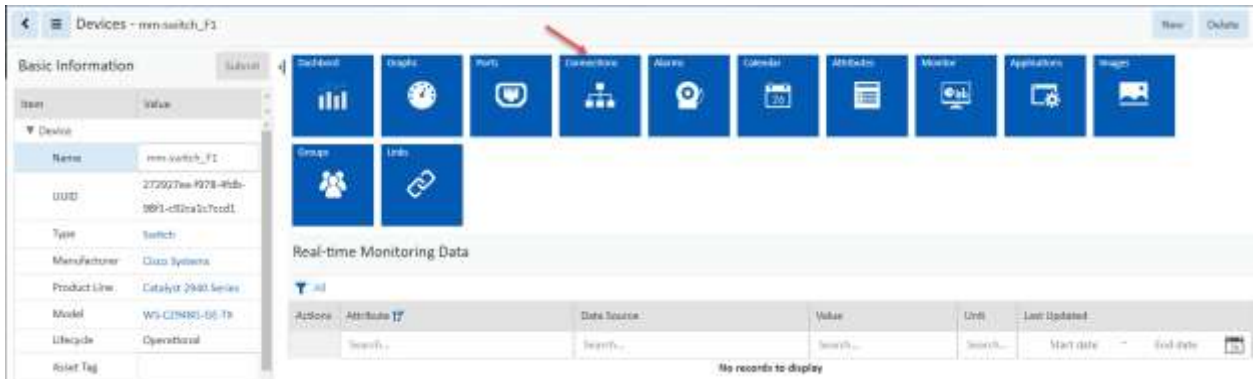
The dashboard displays a table of measures and a pie chart for outlets capacity. The table lists various attributes and their current values and units.

Attribute	Value	Unit	Last Polled Time
Active Source	Source 1		2019-04-08 23:49:58 EDT
ATS Status	OK		2019-04-08 23:49:58 EDT
Config Current Limit	22.00	A	2019-04-08 23:49:58 EDT
Config Frequency Deviation	Two		2019-04-08 23:49:58 EDT
Config Front Panel Lockout	EnableFrontPanel		2019-04-08 23:49:58 EDT
Config Input Voltage Rating	120	V	2019-04-08 23:49:58 EDT
Config Line VRMS Medium Limit	12.00	V	2019-04-08 23:49:58 EDT
Config Line VRMS Narrow Limit	8.00	V	2019-04-08 23:49:58 EDT
Config Line VRMS Wide Limit	20.00	V	2019-04-08 23:49:58 EDT
Config Preferred	Source 1		2019-04-08 23:49:58 EDT
Config Sensitivity	Normal		2019-04-08 23:49:58 EDT

The 'Outlets Capacity' section shows a pie chart with a legend: Remaining (16, 100.00%) and Used (0, 0.00%).

- **3353 WI: Add Connections Table in Device Central**

Add a separate table to list connected/reserved ports with connection information. Port to Port connections have more information than just the target device and port. This table also displays color, length, port type, speed, VLAN, etc.



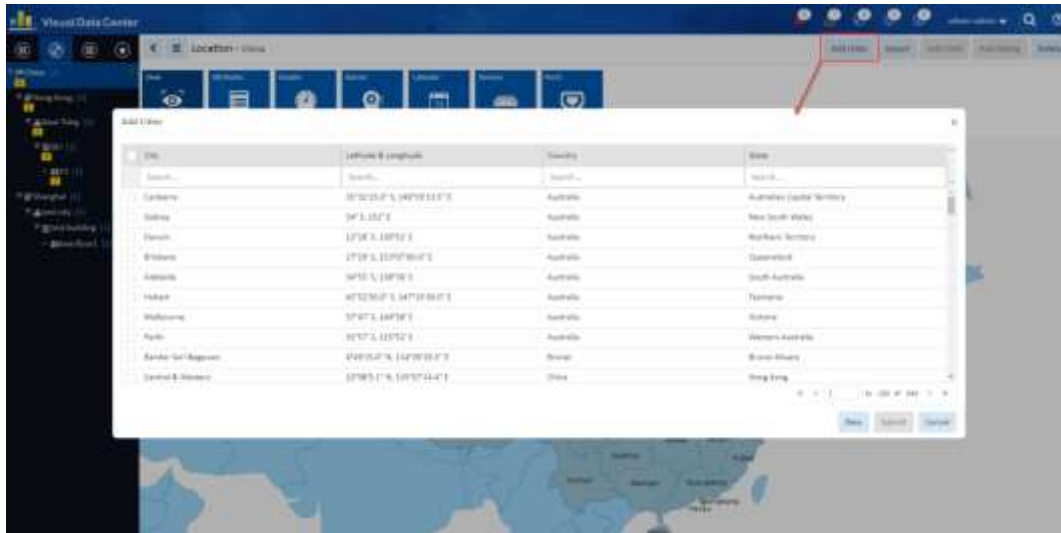
Connections

Port Name	Port Type	Port Status	Connected Port	Cable Name	Serial Number	Color	Length	Speed	VLAN
ni 1	Network In	Connected	mm-switch: ni 1	New Cable021801	SN040101		12.00 ft	1001	
ni 2	Network In	Connected	mm-switch: ni 2	New Cable				1001	
no 01	Network Out	Connected	mm-pp11_F1: no 05	New Cable				1001	
no 04	Network Out	Connected	mm-switch: no 13	New Cable				1001	
no 08	Network Out	Connected	mm-switch: no 15	New Cable				1001	
no 23	Network Out	Reserved	0305 server 01: ni 1					1001	
no 34	Network Out	Reserved	0329 server 01: ni 2					1001	

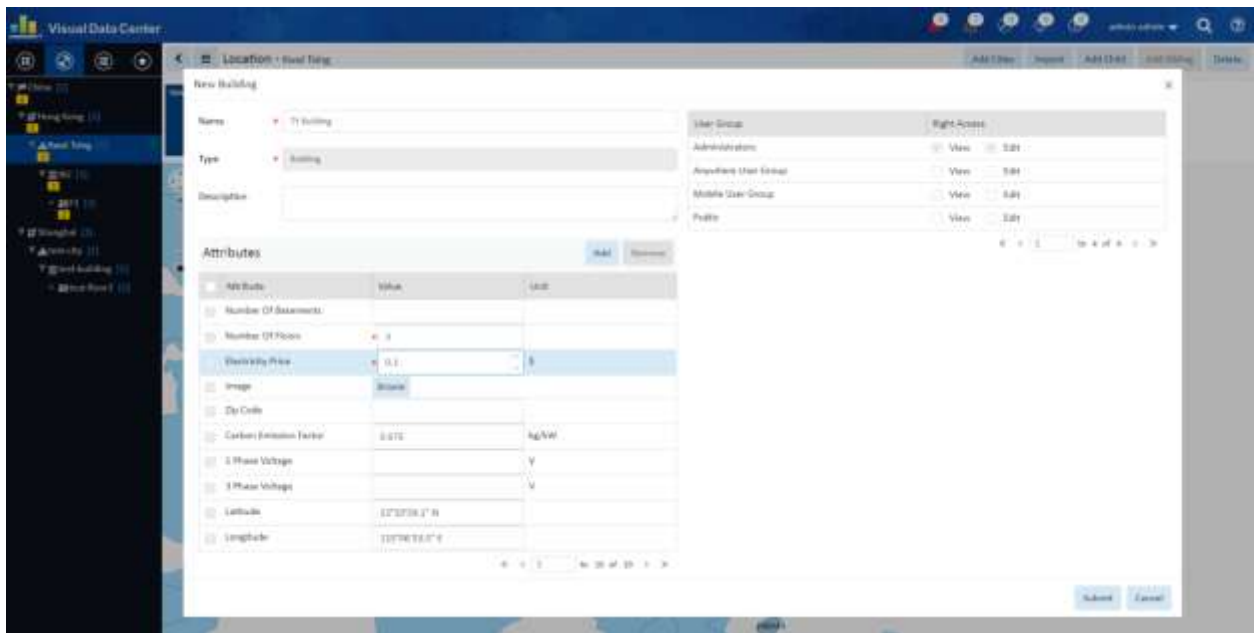
<< < 1 to 7 of 7 > >>

- **3355 WI: Navigation Tree Enhancements**
Navigation tree has been converted to HTML5.

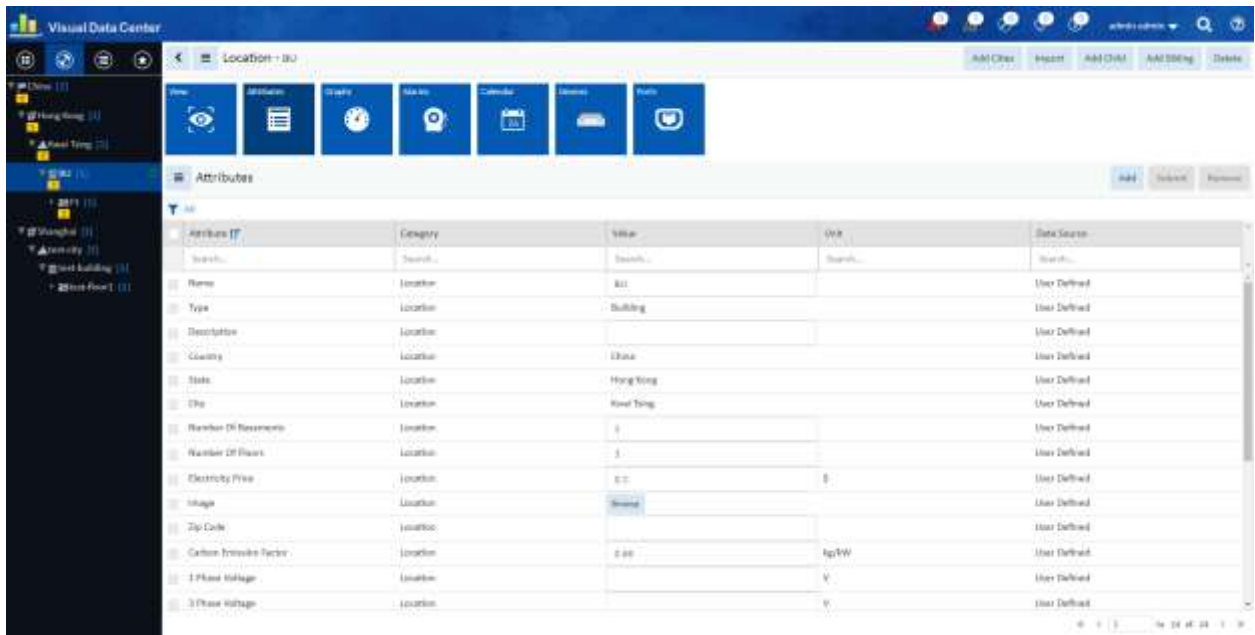
1) Users can use Add Cities to create country, state and city.



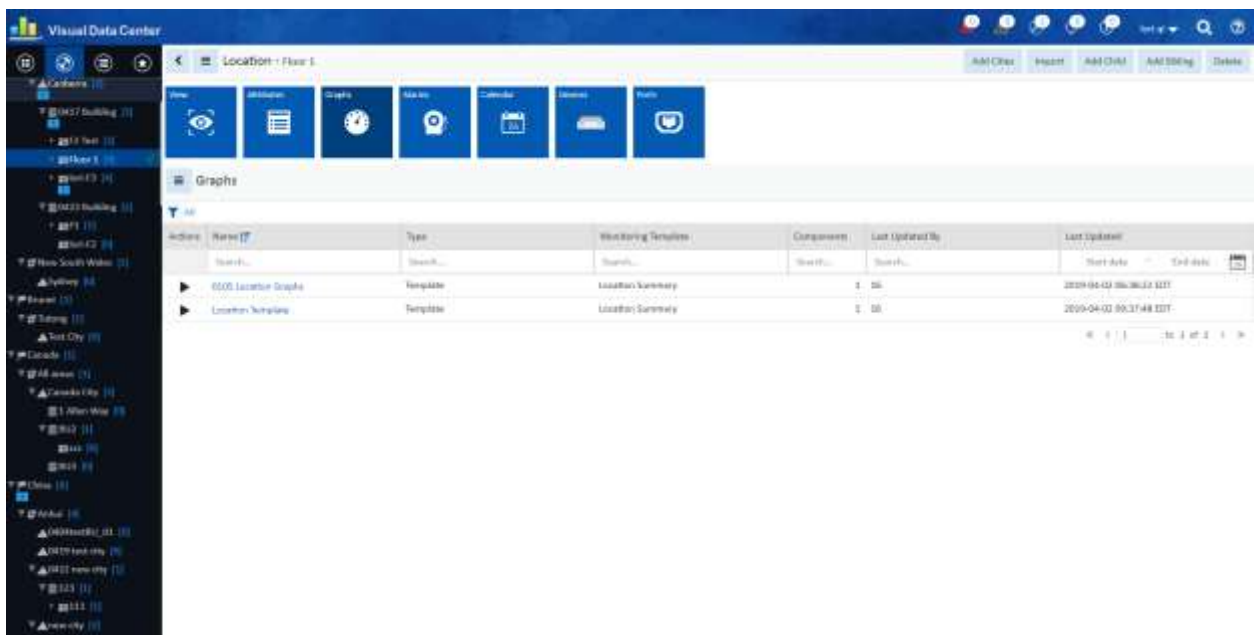
2) Users can use Add Child/Add Sibling to create building, floor and area nodes. Users can use Delete button to delete those nodes which are no longer in use.



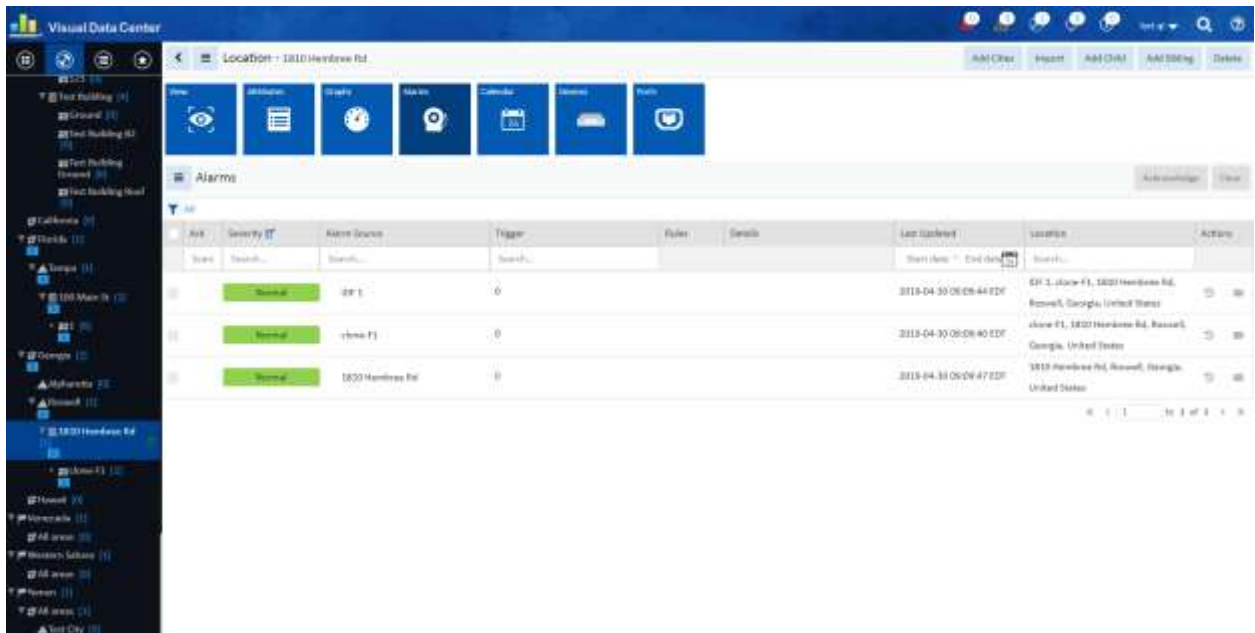
3) By clicking Attributes tile, users can add, modify or remove attributes for selected location node.



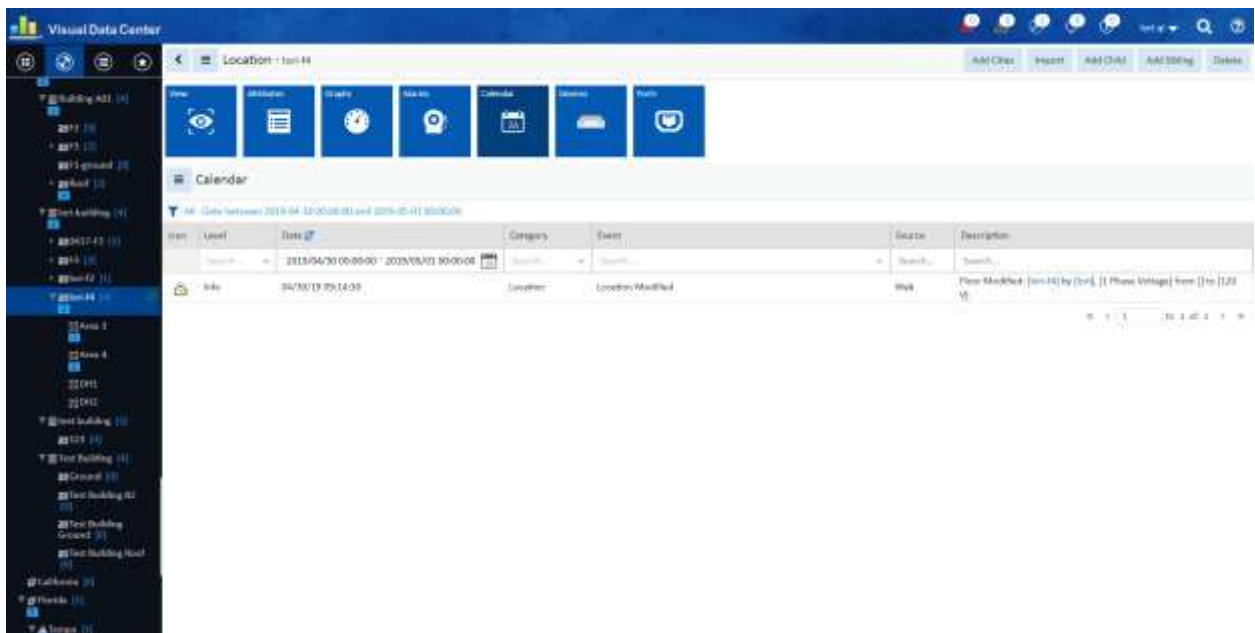
4) Graphs – Shows all graphs defined for selected location



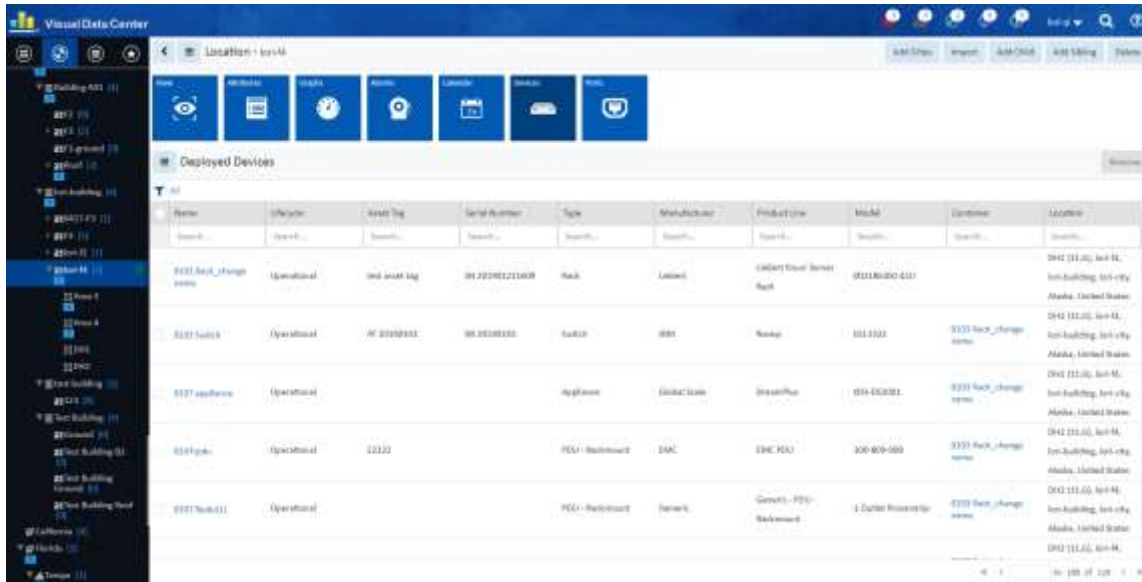
- 5) Alarms – All alarms generated for selected location and alarms for devices mounted in the selected location node.



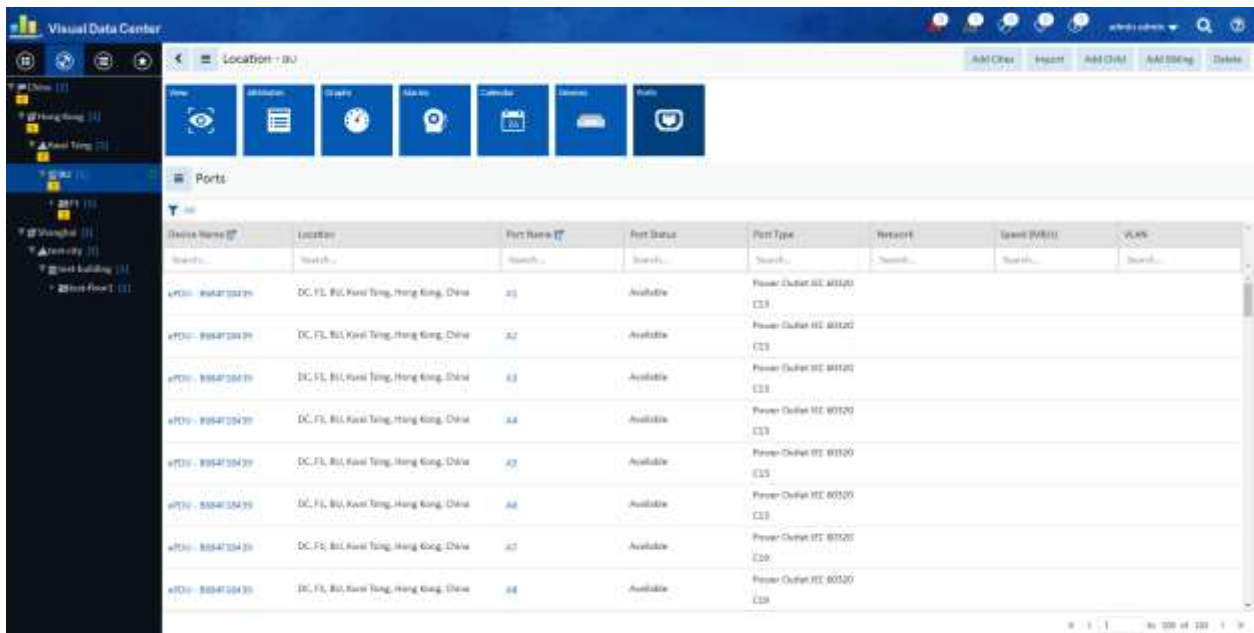
- 6) Calendar – Show all event logs generated for selected location.



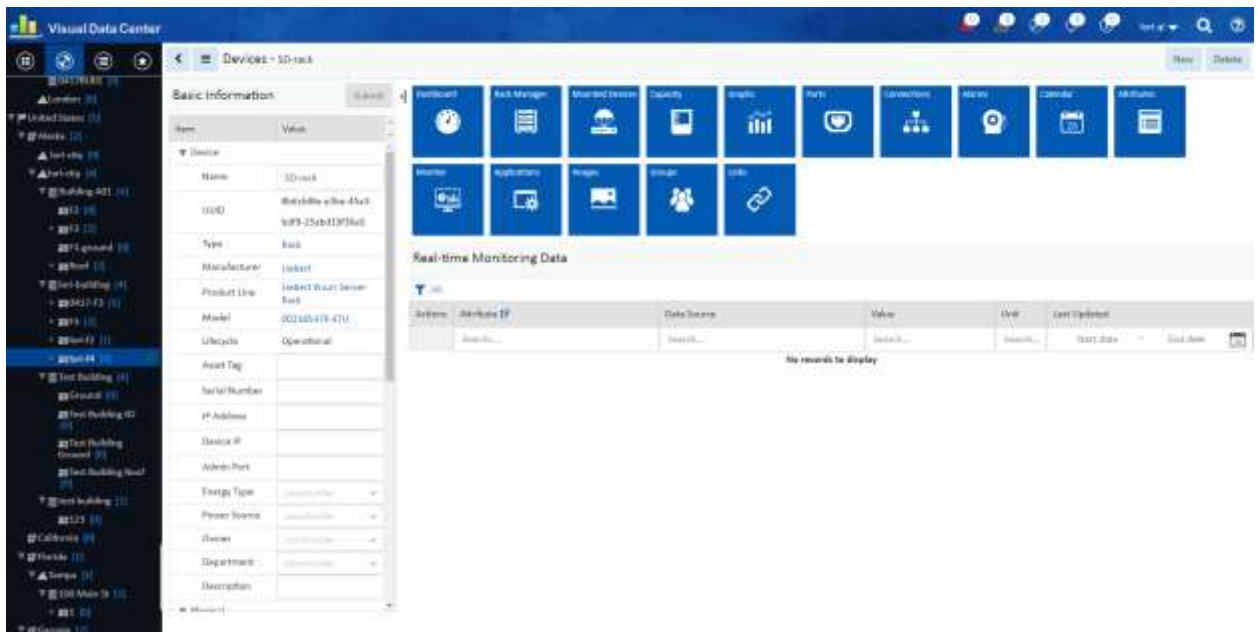
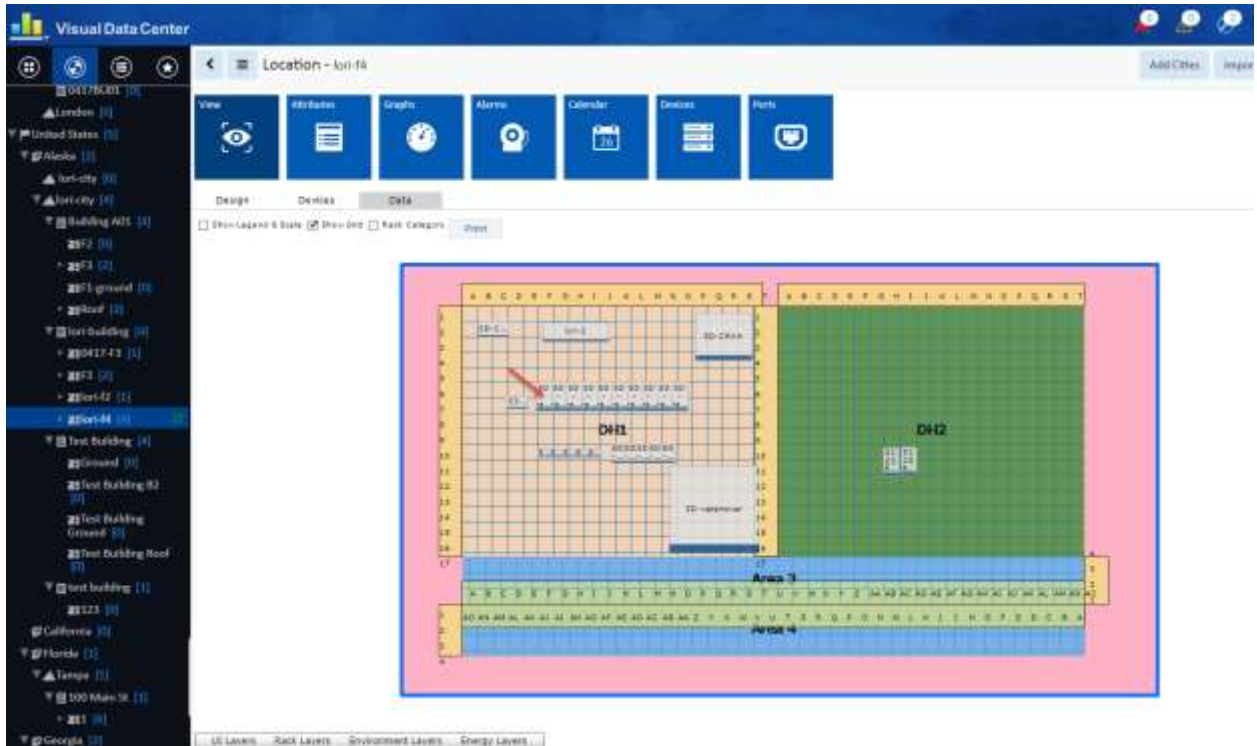
- 7) Devices – Show all devices mounted in the selected location. Users can click on the device name to open the device central.



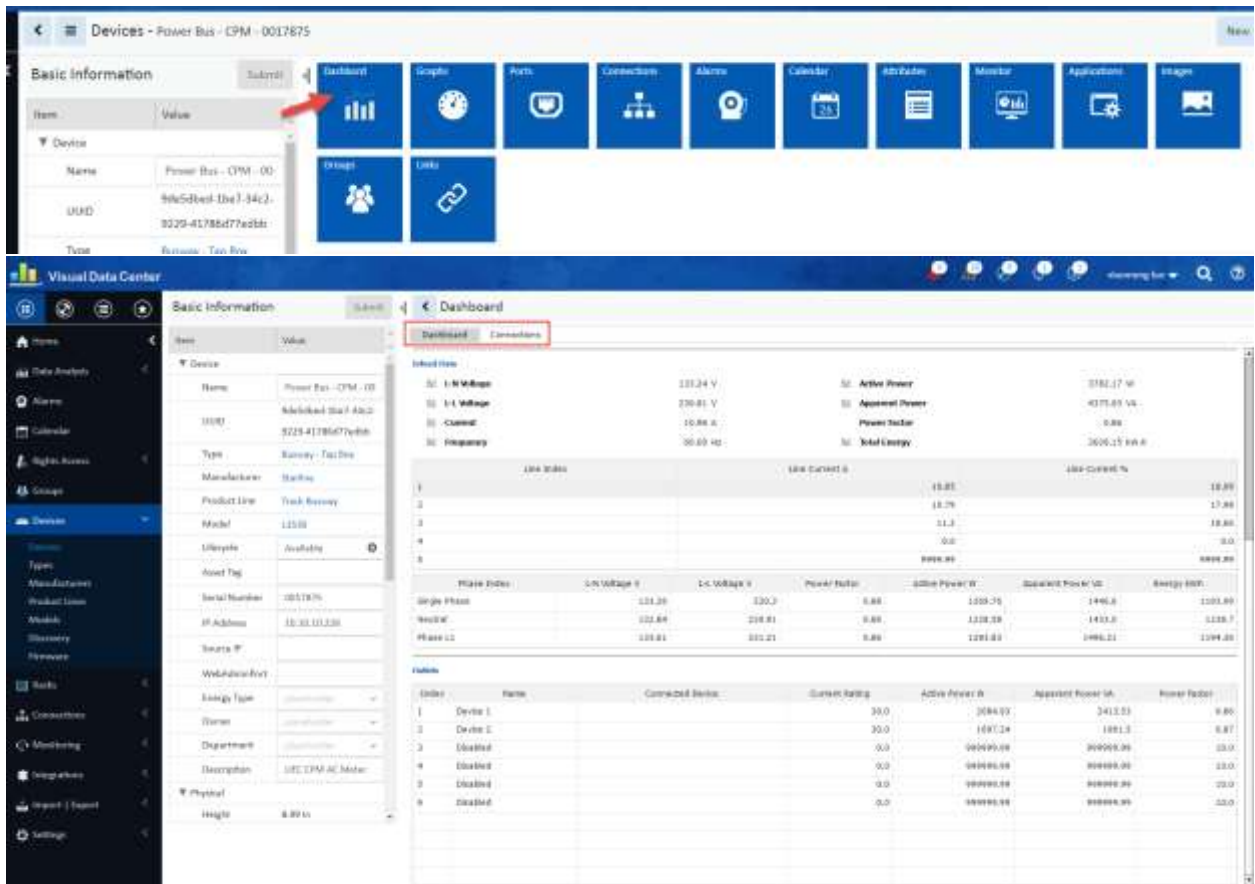
- 8) Ports – Show all device ports in selected location. Users can click on the port name to open the circuit trace. Users can click the device name to open device central.



- 9) Devices and Ports are removed from the navigation tree. Users can open device central by double clicking on the device on the floor View page.



10) Users can open device Dashboard and Connections tab from device central -> Dashboard



- **3362 WI: Support Starline Power Bus in Discovery**
Added ability to discover Starline Power Bus and Tap Boxes.

The screenshot shows the 'Discovery' interface with a table of discovered devices. The table has columns for Device Name, IP Address, Description, Type, Manufacturer, Model, MAC, Job Name, Protocol, Agent, Discovered Time, and Action.

Device Name	IP Address	Description	Type	Manufacturer	Model	MAC	Job Name	Protocol	Agent	Discovered Time	Action
Power Bus - I	10.30.10.226	RTS version 0x03.0x08.0x00	Burway - Power Bus	Starline	UP980754GR	58:2F:42:00:83:08	vec/indFeed	SNMP	SP10.05.10.17	2019-04-16 13:00:52	[edit] [delete]
Power Bus - I	10.30.10.226	UEC CPM AC Meter	Burway - Tap Box	Starline	L5531	58:2F:42:00:44:0D	vec/indFeed	SNMP	SP10.05.10.17	2019-04-16 13:00:55	[edit] [delete]
Power Bus - I	10.30.10.226	UEC CPM AC Meter	Burway - Tap Box	Starline	L5531	58:2F:42:00:44:82	vec/indFeed	SNMP	SP10.05.10.17	2019-04-16 13:00:55	[edit] [delete]

Added a monitoring template for Starline Power Bus and Tap Boxes.

Visual Data Center - Monitoring Template - Starline Busway - Power Bus

Name: Starline Busway - Power Bus
Category: Device

Module ID	Alias	Data Type	Monitor Type	Parameters/Formula	Value Type	Unit	Status
Active Power		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.4.7.0	Decimal	W	On
Apparent Power		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.4.24.0	Decimal	VA	On
Current		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.4.8.0	Decimal	A	On
Energy		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.4.09.0	Decimal	kWh	On
Infeed Line Current 1		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.1	Decimal	A	On
Infeed Line Current 2		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.2	Decimal	A	On
Infeed Line Current 3		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.3	Decimal	A	On
Infeed Line Current 4		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.4	Decimal	A	On
Infeed Line Current 5		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.5	Decimal	A	On
Infeed Line Current Percentage 1		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.1.0	Decimal	%	On
Infeed Line Current Percentage 2		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.2.0	Decimal	%	On
Infeed Line Current Percentage 3		Scaler	WSP	0001.1.1.1.1.1.0776.2.1.5.1.3.0	Decimal	%	On

There is a corresponding dashboard for the devices.

Visual Data Center - Dashboard

Basic Information

Item	Value
Name	Power Bus - CFM - 03
Model	Modelled Star Line
SKU	572941786077616
Type	Busway - Tap Line
Manufacturer	Starline
Product Line	Track Busway
Model	12530
Lifecycle	Available
Asset Tag	
Serial Number	0017976
IP Address	10.30.10.138
Source IP	
WebServicesURL	
Energy Type	Continuous
Owner	Starline
Department	Starline
Description	03C CFM AC Motor
Physical	
Height	8.89 m

Dashboard - Connections

Info Items

L-L Voltage	232.24 V	L-N Voltage	338.17 V
L-L Voltage	230.81 V	Apparent Power	4377.03 VA
Current	10.88 A	Power Factor	0.88
Frequency	50.00 Hz	Total Energy	3605.15 kWh

Line Status

Line	Line Current A	Line Current B	Line Current %
1	15.81	18.29	18.29
2	18.79	17.86	17.86
3	11.2	18.86	18.86
4	0.0	0.0	0.0
5	0.0	0.0	0.0

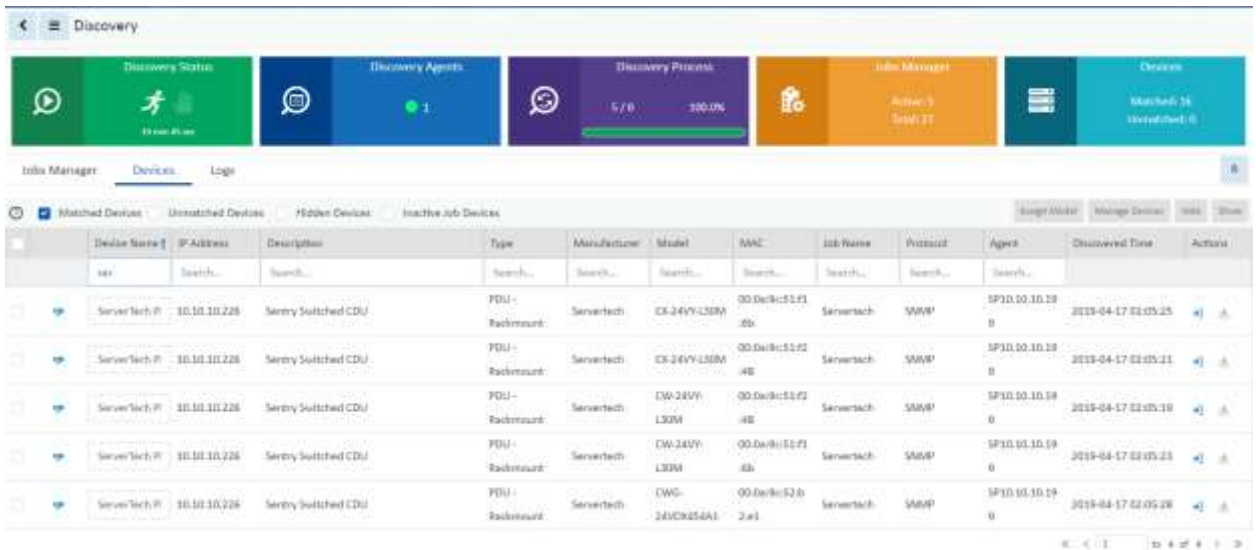
Phase Data

Phase Data	L-L Voltage V	L-N Voltage V	Power Factor	Active Power W	Apparent Power VA	Energy kWh
Single Phase	231.26	330.7	0.88	1259.76	1446.0	1259.76
Phase W	232.88	238.81	0.88	1228.39	1432.0	1228.7
Phase U	230.81	337.21	0.88	1281.83	1498.2	1281.83

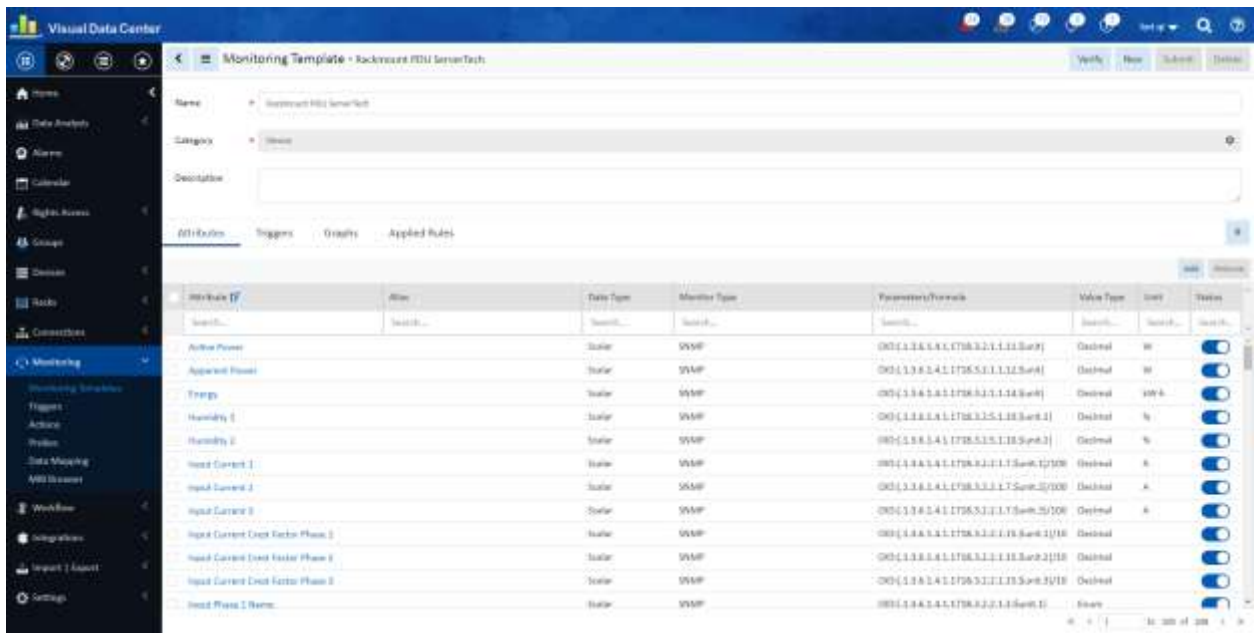
Tables

Order	Name	Connected Device	Current Rating	Active Power W	Apparent Power VA	Power Factor
1	Device 1		30.0	3084.93	3412.23	0.88
2	Device 2		30.0	167.24	191.2	0.87
3	Disabled		0.0	00000.00	00000.00	0.0
4	Disabled		0.0	00000.00	00000.00	0.0
5	Disabled		0.0	00000.00	00000.00	0.0
6	Disabled		0.0	00000.00	00000.00	0.0

- **3363 WI: Support Server Tech PDU in Discovery**
Added ability to discover Server Tech PDUs.



Added monitoring template for Server Tech PDU models.



There is a corresponding dashboard for the devices.

Visual Data Center - Dashboard

Basic Information

Item	Value
Device	
Name	ServerRack PDU - M2
UUID	801126620072e
Type	PDU - Rackmount
Manufacturer	Schneider
Product Line	Smart PDU
Model	CS-120VMM2C2
Lifecycle	Available
Asset Tag	
Serial Number	AD00000111
IP Address	10.10.10.226
Device IP	
Admin Port	
Energy Type	...
Color	...
Department	...
Description	Server Smart 120V
Height	3.50 m

Power Capacity (W)

Category	Actual	Desired	Rated
Power Capacity (W)	1,890.00	2,000.00	2,000.00

Phases

Phase	Current (A)	Load (A)	Creff Factor	Watts	Depth Factor	Input Power (W)
Phase_L	11.86 A		1.79	207.18 W	1194.08 W	1193.28 W
Phase_N	13.47 A		1.79	288.00 W	1136.08 W	1184.08 W
Phase_C	18.23 A		1.49	257.40 W	1194.08 W	1245.00 W

- **3364 WI: Support Eaton M2 UPS in Discovery**
Added ability to discover Eaton M2 UPS.

Discovery

Discovery Status: 48 hour 18 min 29 sec

Discovery Agents: 1

Discovery Process: 261 / 0 100.0%

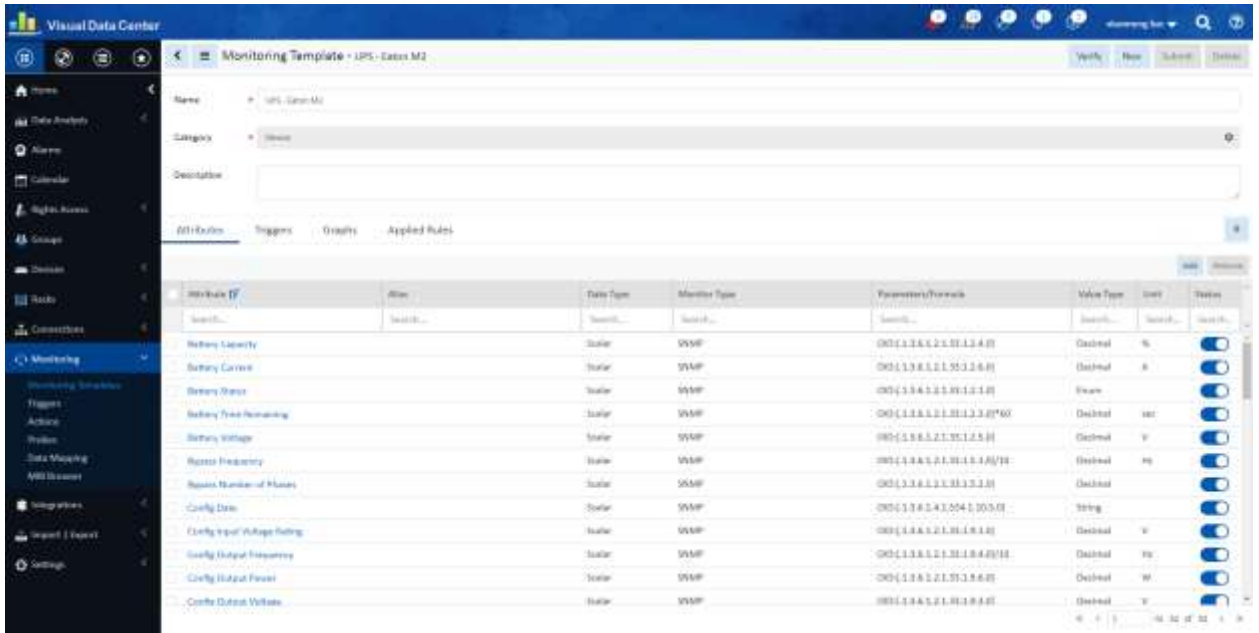
Jobs Manager: Action 7 Total 7

Overview: Matched 7 Unmatched 0

Jobs Manager | **Devices** | Logs

Device Name	IP Address	Description	Type	Manufacturer	Model	WAC	Job Name	Protocol	Agent	Discovered Time	Actions
40PS-ups-08	10.10.10.226	Eaton 10Gbit Network Card	UPS - Rackmount	Eaton	SP1000	90.10.85 with 9.66	M2	SNMP	SP10.10.10.17	2019-04-16 15:46:58	[i] [d]
40PS-ups-08	10.10.10.226	Eaton 10Gbit Network Card Eaton DOT 120	UPS - Rackmount	Eaton	SP1000C	90.10.85 with 9.66	M2	SNMP	SP10.10.10.17	2019-04-16 15:46:58	[i] [d]

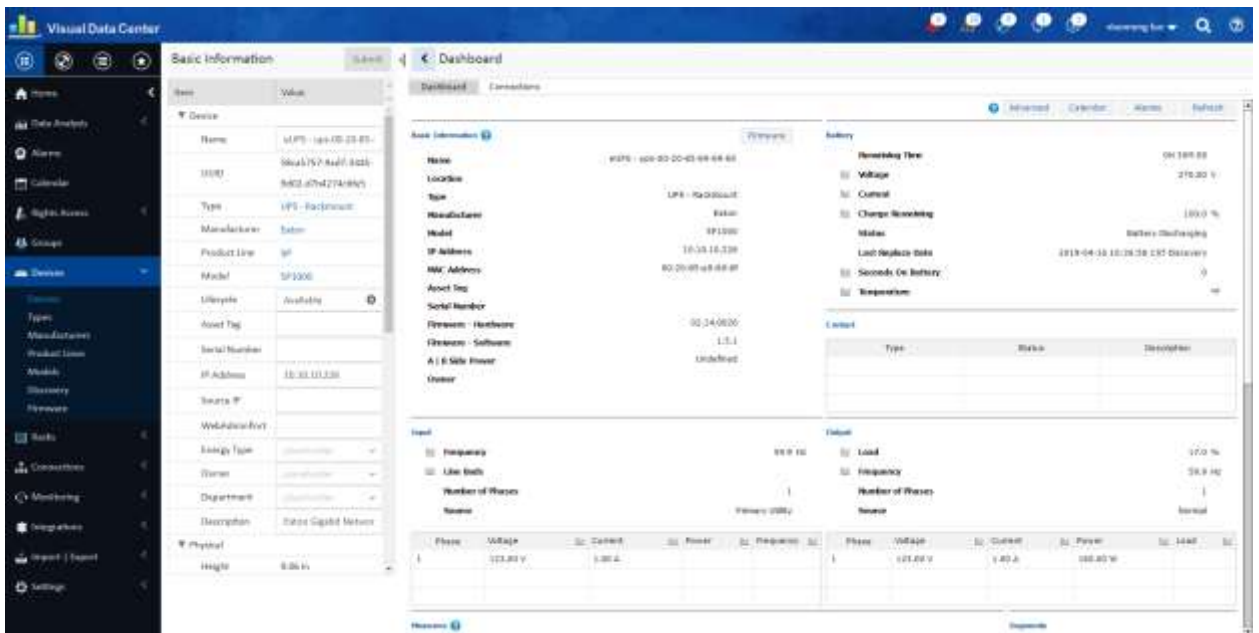
Added a monitoring template for the M2 network card devices.



The screenshot shows the 'Monitoring Template - UPS Eaton M2' configuration page. It includes a left-hand navigation menu with options like Home, Data Analysis, Alerts, and Monitoring. The main area displays a table of monitoring items with columns for Name, Unit, Data Type, Monitor Type, Parameters/Formula, Value Type, Unit, and Status. The table lists various battery and system metrics such as Battery Capacity, Battery Voltage, and Cooling Fan Status.

Name	Unit	Data Type	Monitor Type	Parameters/Formula	Value Type	Unit	Status
Battery Capacity	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	%	On
Battery Charge	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	A	On
Battery Status	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Enum		On
Battery Time Remaining	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)*60	Decimal	min	On
Battery Voltage	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	V	On
Battery Frequency	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	Hz	On
System Number of Fans	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal		On
Cooling Data	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	String		On
Cooling Input Voltage Rating	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	V	On
Cooling Output Frequency	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	Hz	On
Cooling Output Power	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	W	On
Cooling Output Voltage	Scale	WSP	WSP	00(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1)	Decimal	V	On

There is a corresponding dashboard for the devices.



The screenshot shows the 'Dashboard' for a specific device. It features a 'Basic Information' sidebar on the left and a main dashboard area with several widgets. The 'Basic Information' sidebar lists details such as Name, Model, Manufacturer, and IP Address. The main dashboard includes a 'Device Information' widget with fields like Name, Location, Type, Manufacturer, Model, IP Address, and MAC Address. It also features a 'Battery' widget showing 'Remaining Time', 'Voltage', 'Current', 'Charge Remaining', 'Status', 'Last Recharge Date', 'Seconds On Battery', and 'Temperature'. At the bottom, there are two 'Input' and 'Output' power monitoring tables.

Phase	Voltage	Current	Power	Frequency
I	121.83 V	1.82 A		50.00 Hz

Phase	Voltage	Current	Power
I	121.83 V	1.82 A	188.80 W

- 3365 WI: Add Power Source on Rack Capacity Dashboard**
 Power Source has been added to the Rack Capacity dashboard. The Power Source can be: PDU Rackmount, IT Devices, Rack Power, PDU or UPS Rackmount.

Capacity

eaton_PDU_01_F1	30	0	0	0	30	0.0
mm-rpdu_F1	6	0	0	0	6	0.0
rUPS_01_F1	5	0	0	0	5	0.0

Device Name	Total	Used	Reserved	Broken	Available	% Utilization
mm-pp11_F1	24	0	0	0	24	0.0
mm-switch_F1	50	0	0	0	50	0.0
pp_fiber01_F1	0	0	0	0	0	N/A

Power **Power Source: PDU - Rackmount**

Power Supply Devices Rated: 6.53 kW Derated: 14.0 kW Active: 2.0 kW % Utilization: 14.3

Device Name	Type	Data Source	Power Rated (W)	Power Derated (W)	Active Power (W)	% Utilization
eaton_PDU_01_F1	PDU - Rackmount	User Defined	5760.0	6000.0	2000.0	33.3
mm-rpdu_F1	PDU - Rackmount		N/A	6000.0	N/A	N/A
rUPS_01_F1	UPS - Rackmount		770.0	2000.0	N/A	N/A

IT Devices Rated: 0.13 kW Derated: 0.13 kW Active: N/A % Utilization: N/A

Device Name	Type	Data Source	Power Rated (W)	Power Derated (W)	Active Power (W)	% Utilization
mm-pp11_F1	Patch Panel		N/A	N/A	N/A	N/A
mm-switch_F1	Switch		130.0	130.0	N/A	N/A

- **3366 WI: Add About Link to Help Page**

Shows basic product information to help with troubleshooting:

- Product Name and Current Version of the application
- Specific build information which may help troubleshooting
- Licensed customer
- License expiration, license model (FMA or Device)
- Server Time

- **3367 WI: Location Access Control List Enhancement**

Every location needs to be assigned accesses. All locations have separate view and edit access.

1. View Access

View this location on the navigation tree and the details page:

- a. Map/Floor View: Limited the data by devices access
- b. Site/Summary
- c. Attributes
- d. Graphs: Limited the data by devices access
- e. Alarms: Limited the data by devices access
- f. Calendar: Limited the data by devices access
- g. Deployed Devices: Limited the data by devices access
- h. Ports: Limited the data by devices access

2. Edit Access

Building

- 1) Modify name and attributes
- 2) Create children

Floor:

- 1) Modify name and attributes
- 2) Create children
- 3) Define floor shape
- 4) Deploy devices

Area:

- 1) Modify name and attributes
- 2) Deploy devices

4. Path View

User doesn't have View access to a node, but user has View access to its sub-nodes

User will can see the node on the tree but it is disabled and user cannot see details of the node

User Group - UG_ACL

Name: * UG_ACL

Description:

Users Components **Locations** Groups Devices Reports

View All Edit All

Location	View	Edit
▼ F1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▼ United States	<input type="checkbox"/>	<input type="checkbox"/>
▼ Alaska	<input type="checkbox"/>	<input type="checkbox"/>
▼ 3D-City	<input type="checkbox"/>	<input type="checkbox"/>
▼ 3D-Building	<input type="checkbox"/>	<input type="checkbox"/>
▼ 3D-F1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Conference Room	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Datacenter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Energy Room	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2D-F2	<input type="checkbox"/>	<input type="checkbox"/>

Visual Data Center

Location - F1

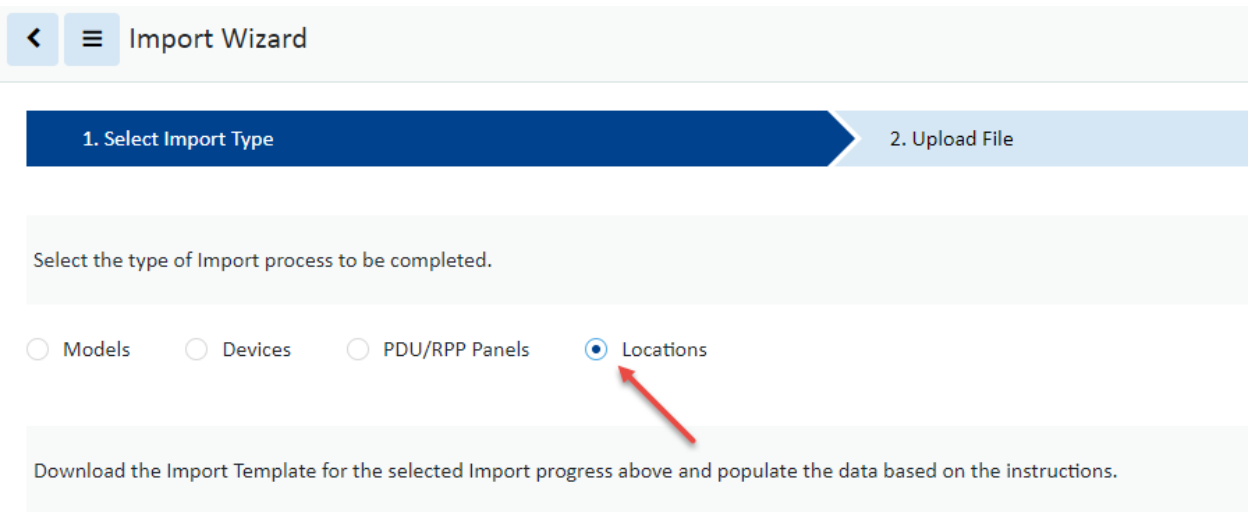
View Attributes Graphs Alerts Calendar Reports Maps

Attributes

Attribute ID	Category	Value	Unit	Data Source
Name	Location	F1		User Defined
Type	Location	Floor		User Defined
Description	Location			User Defined
Country	Location	China		User Defined
State	Location	Shanghai		User Defined
City	Location	Rujia		User Defined
Building	Location	80		User Defined
Floor Index	Location	F1		User Defined
1 Phase Voltage	Location		V	User Defined
3 Phase Voltage	Location		V	User Defined

- **3368 WI: Support Import Navigation Tree Nodes**

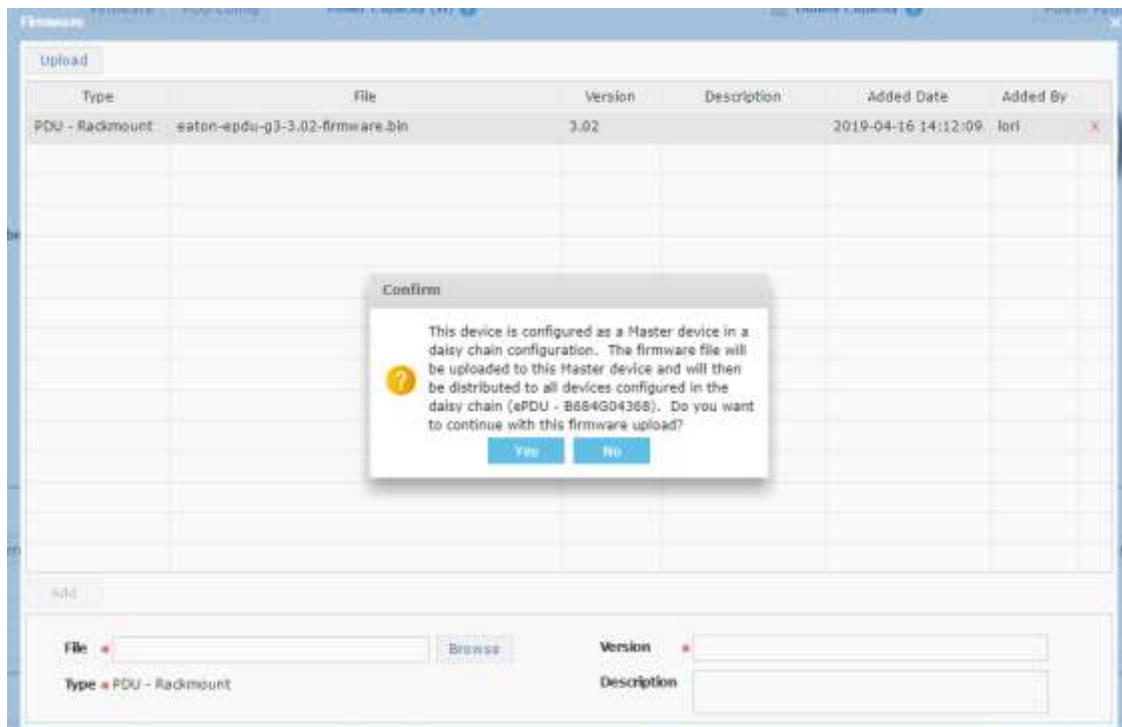
Location nodes can now be created by import. Users can open Import Central to import locations.



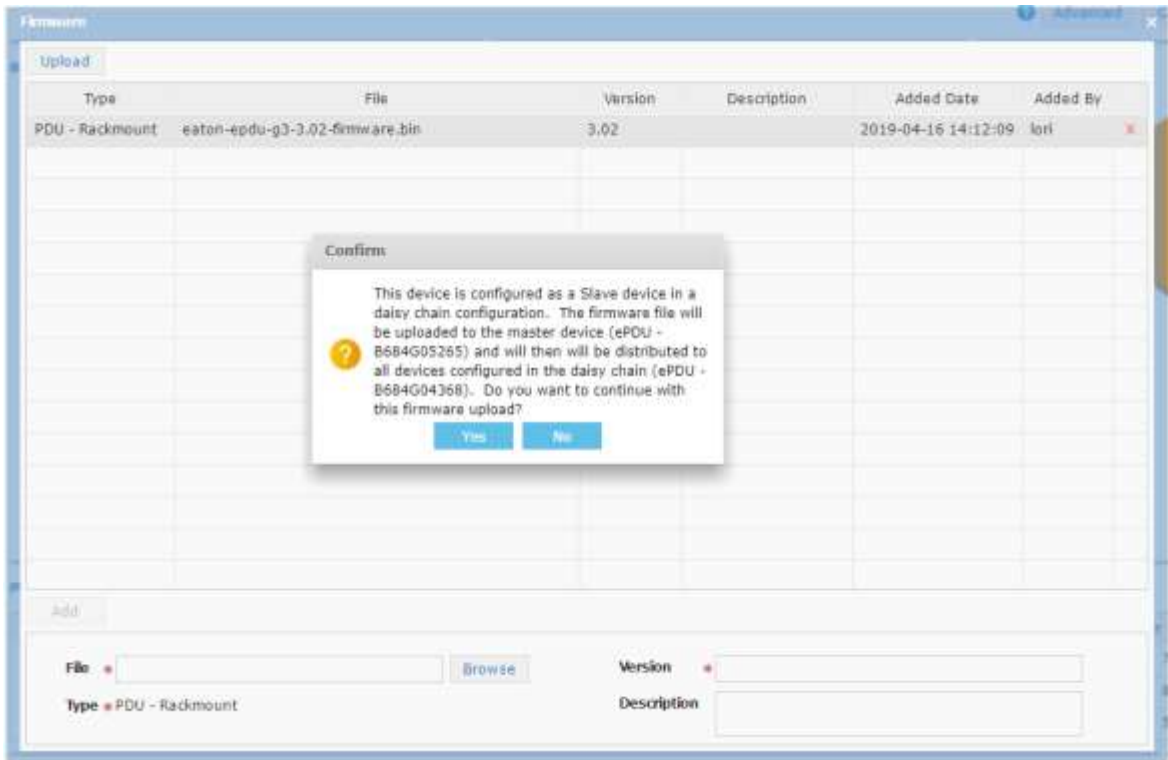
- **3369 WI: Daisy Chain Firmware Push**

When uploading firmware to daisy chained devices messages inform you how the firmware will be distributed.

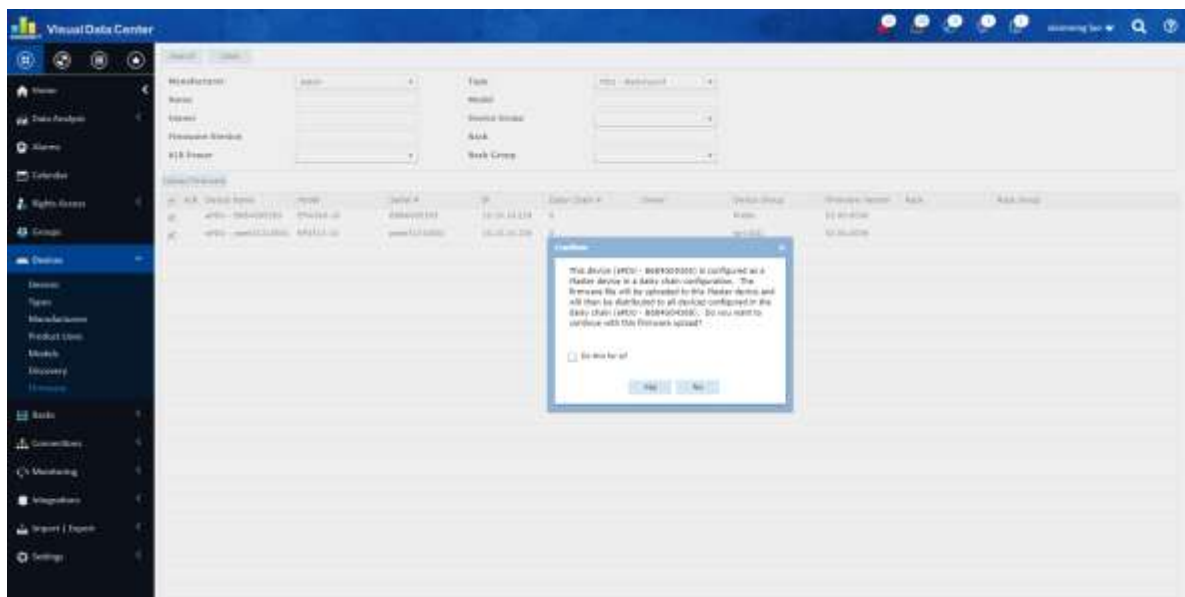
If you upload to the master device the message informs you how it will be distributed to the other devices in the daisy chain.



If you upload to a slave in the daisy chain, the message informs you of the device's status and how the firmware upload will go to the master first and the distributed to devices in the daisy chain.



Bulk Firmware Upload – Only shows the master devices. It does not show the slave units.



- 3370 WI: Support firmware and load segment controls for both models of cards in Eaton devices

The screenshot shows the Visual Data Center interface. On the left is a navigation menu with options like Home, Data Analysis, Alarms, Calendar, Rights Access, Groups, Devices, Types, Manufacturers, Product Lines, Models, Recovery, Firmware, Tools, Connections, Monitoring, Integrations, Report & Report, and Settings. The main area is titled 'Basic Information' and shows details for a device with the following fields:

Item	UPS - 100-00-00-00-00-00-00
SKU	8621574471001
SKU	8621574471001
Type	UPS - Rackmount
Manufacturer	Eaton
Product Line	9P
Model	SP1000
Lifecycle	Available
Asset Tag	
Serial Number	
IP Address	10.30.10.100
Serial #	
WebAddress	
Energy Type	Uninterruptible
Brand	Uninterruptible
Department	Uninterruptible
Description	Static Spigot Network
Physical	
Height	0.26 ft

The 'Dashboard' section shows 'Device Information' and 'Battery' status. A red arrow points to the 'Firmware' field in the Device Information table.

Device Information	UPS - 100-00-00-00-00-00-00	Firmware	
Name	UPS - 100-00-00-00-00-00-00	Remaining Time	04:18:00
Location		Voltage	270.00 V
Type	UPS - Rackmount	Control	
Manufacturer	Eaton	Charge Remaining	100.0 %
Model	SP1000	Status	Battery Discharging
IP Address	10.30.10.100	Last Update Date	2019-04-10 10:28:39 CST Daylight
MAC Address	80:20:00:00:00:00	Seconds On Battery	0
Asset Tag		Temperature	40
Serial Number			
Firmware - Hardware	00.24.0000		
Firmware - Software	1.3.1		
A/B Site Power	Undefined		
Order			

The 'Battery' section shows a table with columns for Type, Status, and Description.

Type	Status	Description

Below the battery table are sections for 'Load' and 'Number of Phases' with various metrics.

Frequency	50.0 Hz	Load	17.0 %
Line Volt		Frequency	50.0 Hz
Number of Phases	1	Number of Phases	1
Name	Primary (000)	Name	Serial

At the bottom, there are two tables showing phase data:

Phase	Voltage	Current	Power	Frequency
1	270.00 V	1.00 A		

Phase	Voltage	Current	Power	VAUF
1	270.00 V	1.00 A	100.00 W	

This screenshot shows the 'Firmware' section of the Visual Data Center. A red box highlights the 'Type' dropdown menu, which is set to 'UPS - Rackmount'. Another red box highlights the 'Add New Firmware' button. A dialog box is open, showing a table for adding new firmware:

Type	File	Version	Description	Added Date	Added By

Below the table, there are input fields for 'File' and 'Description', and a 'Submit' button.

- **3378 Update UPS Battery Replacement Report**

Update Asset -> UPS Battery Replacement report. There should be no special +3 years logic in this report. Compare the From/To dates to the Last Replace Date attribute on the device and return UPS devices which meet the criteria.

Visual Data Center UPS Battery Replacement

OPI

Location: 18 (A 1, F1, BU2)(Area3, Floor1, 0723 Building)(Conference Room, 3D-F1, 3D-Building)(Area4, Last Replace Date: Device Name
 Device Group: 2 (lori-DG1, Public)
 Last Replace Date: 2019-04-01 – 2019-04-16

Device Group	lori-DG1										
Manufacturer	Product Line	Model	Device Name	Output Load %	Seconds On Battery	Last Replace Date	Date Source	Serial Number	Battery Type		
Eaton	5P	5P1000	eUPS - ups-00-20-85-E9-69-6F.	17.0	0	2019-04-16 10:36:58+08	Discovery				
Total					0						
Device Group	Public,lori-DG1										
Manufacturer	Product Line	Model	Device Name	Output Load %	Seconds On Battery	Last Replace Date	Date Source	Serial Number	Battery Type		
Eaton	5P	5P1000RC	eUPS - ups-00-20-85-E9-6A-B9.opi.init	0.0	0	2019-04-16 10:36:58+08	Discovery				
Total					0						

- **3381 WI: Add Firmware Version as Monitored Data Points**

Added Firmware version as a monitored data point for Eaton PDU and Eaton UPS. After the firmware is updated, the Firmware version on the device dashboard will be updated in a probe interval.

Eaton UPS

Navigation tabs: Dashboard, Graphs, Ports, Connections, Alarms, Calendar, Attributes, Monitor, Applications, Images, Groups, Links.

Real-time Monitoring Data

⌵ All - Attribute contains firmware

Actions	Attribute <input type="text" value="firmware"/>	Data Source	Value	Unit	Last Updated
	firmware	Search...	Search...	Search...	Start date - End date <input type="text" value="30"/>
	Firmware - Hardware	UPS - Eaton M2	02.14.0026		2019-04-16 14:18:27 CST
	Firmware - Software	UPS - Eaton M2	1.5.1		2019-04-16 14:18:27 CST

◀ < 1 to 2 of 2 > ▶

Navigation menu with icons for: Dashboard, Graphs, Ports, Connections, Alarms, Calendar, Attributes, Monitor, Applications, Images, Groups, and Links.

Real-time Monitoring Data

▼ All - Attribute contains firm

Actions	Attribute	Data Source	Value	Unit	Last Updated
	firm	Search...	Search...	Search...	Start date - End date
	Firmware Version	Rackmount PDU Eaton	02.00.0096		2019-04-16 14:28:42 CST

◀ < 1 to 1 of 1 > ▶

4. Version 6.0.0 New Features and Enhancements

Version 6.0.0 represents a change of the web interface from Flash to HTML5. As such, there are major changes to the web interface and related usability of the features in that interface. Please refer to the v6.0.0 Web Interface User Guide to review the detail of the new web interface.

The following list of features, enhancements and changes are included in the 6.0.0 version of the product as related to the 3D client interface.

ID	Description
3338	Alarm Panel in Navigation Tree now includes 5 Levels
3339	Alarm Level Lists and Checkboxes Throughout the Application include All 5 Levels
3340	Web Interface link goes to Web Interface Home Page
3343	Dashboard and Trend Chart Options Removed from Main Data and Replaced Throughout the Application
3346	Triggers have Replaced Thresholds
3347	Layer View now has Broken Fiber, Network and Power Ports in List

- 3338 Alarm Panel in Navigation Tree now includes 5 Levels**

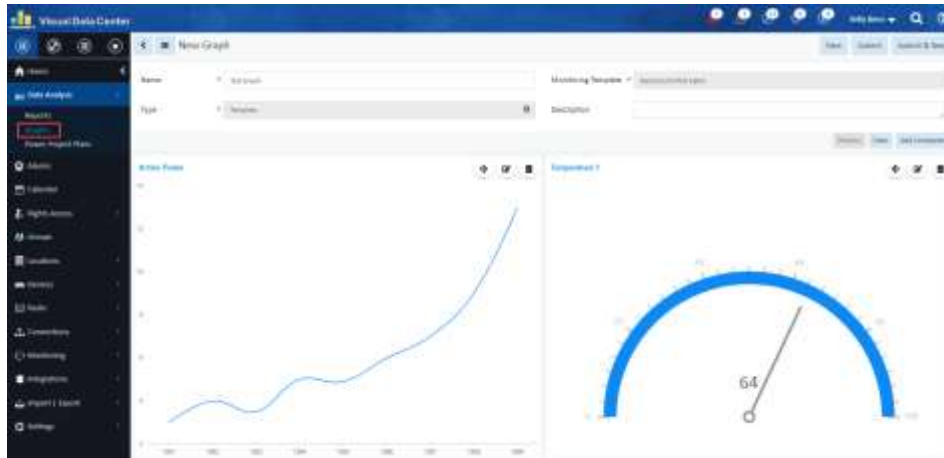
Under each location node of the navigation tree are the summary count of alarms for that node. There are 5 possible alarm types: Critical (red), Warning (yellow), Unreachable (blue), Minor (lavender) and Information (light blue). The device counts are aggregated for all locations under the selected node. The summary count boxes are only colorized when the value is greater than 0. Note: The alarm indicators will not appear under the device or port nodes of the tree. The Alarm count information will be automatically updated every 5 minutes, but users can choose to refresh manually to get updated data between the auto refresh cycles.
- 3339 Alarm Level Lists and Checkboxes Throughout the Application include All 5 Levels**
- 3340 Web Interface link goes to Web Interface Home Page**

Previously the web interface link had two options Administration and Navigation. Now it goes directly to the web interface home page.
- 3343 Dashboard and Trend Chart Options Removed from Main Data and Replaced Throughout the Application**

Dashboards and Trend charts are now referred to as Graphs and Attributes. The options have been removed from the drop-down list under Main Data. In other areas of the application the term Dashboards has been replaced with Graphs and Trend Charts replaced with Attributes.

Graphs are created and edited in the web interface. The Graphs menu item is available in the

Data Analysis menu group or from the Graphs function tile on the web interface Device Central page for the device.



- **3346 Triggers have Replaced Thresholds**
Triggers are defined to indicate Alarm conditions. The trigger definition is included in Alarm messages and descriptions.
- **3347 Layer View now has Broken Fiber, Network and Power Ports in List**