



Powering Business Worldwide

Visual Capacity Optimization Manager

Release Notes

Release 6.2.1

Eaton

www.eaton.com/powerquality

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softwareconnectivityts@eaton.com

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

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1 1 Introduction

1.1 About This Guide

This guide provides detailed information related to the features and enhancements provided in

1.2 Audience

This guide is intended for administrators who are responsible for installing, licensing, and configuring 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.

2.1.1. Upgrade Patch Details

Item	Description
Name of Install File	VCOMPatch-200118-C-6.02.00001-20012201-6b6ce3c1d4266835c8aae6a94dcbf4da.tar
Type of Install File	Upgrade
MD5 Checksum	6b6ce3c1d4266835c8aae6a94dcbf4da
Release Date	January 2020
Version Affected	6.2.0
Version of 3D Client Required	6.2.0

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 VCOM servers have at least one known-good and recent backup and/or VM snapshot to rollback to if necessary.**
- All VCOM 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 VCOM 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
- Root user must use BASH shell
- 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`

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.

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 **NOT** required for this patch. It 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.
- Monitoring Templates - If you have modified any of the system monitoring templates, by adding OIDs, etc. those changes will be kept by default during the upgrade.
 - To RESET the system monitoring templates back to the original system settings you must use the -P option. For example:
`/opt/VDC/patch/PATCH_NAME/install -P -u certified`
- Clear browser history after installation before launching a web session to log into the new version of the application.

3 6.2.1 Enhancements

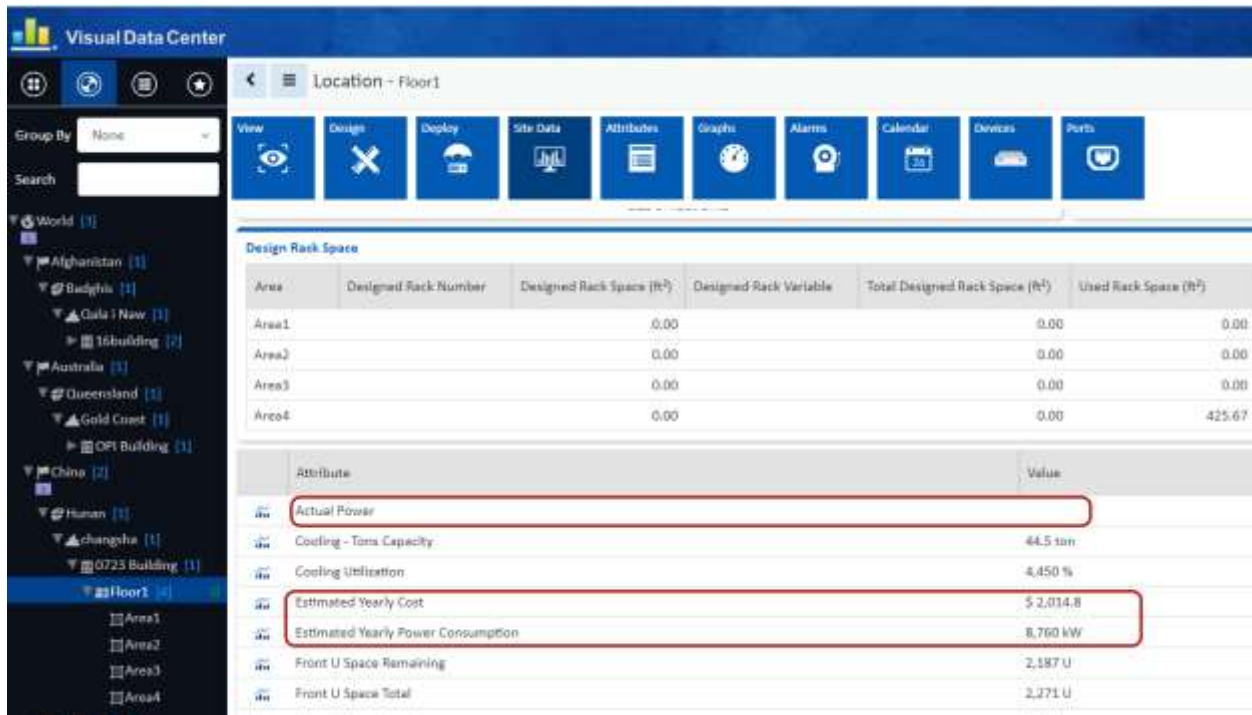
3.1 Enhancements Table

ID	Description
3618	Bug 11105,11104 Fixed the Location calculate issue
3619	Manage upload library change default the option to All Files.
3620	UPS Firmware Version
3621	[!BVG-242-75886]: VPM version 6.2.0 APC product line misspelled
3622	Set wall height
3623	RPDU and ATS Dashboard Power Path link
3624	Clearmon9.sh script overwritten issue
3625	UPS MS Card discovery add Serial Number

- **3618 Bug 11105,11104 Fixed the Location calculate issue**

When the Location have Actual Power doesn't have data in area level, the Estimated Yearly Cost should also no data. Fixed the issue that the Estimated Yearly Cost value unit transfer error.

Before:



The screenshot shows the 'Visual Data Center' interface for 'Location - Floor1'. It features a navigation menu on the left and a main content area with several tabs: View, Design, Deploy, Site Data, Attributes, Graphs, Alarms, Calendar, Devices, and Ports. The 'Attributes' tab is active, displaying a table of system metrics. Two rows are highlighted with red boxes: 'Actual Power' and 'Estimated Yearly Cost'.

Area	Designed Rack Number	Designed Rack Space (ft ²)	Designed Rack Variable	Total Designed Rack Space (ft ²)	Used Rack Space (ft ²)
Area1		0.00		0.00	0.00
Area2		0.00		0.00	0.00
Area3		0.00		0.00	0.00
Area4		0.00		0.00	425.67

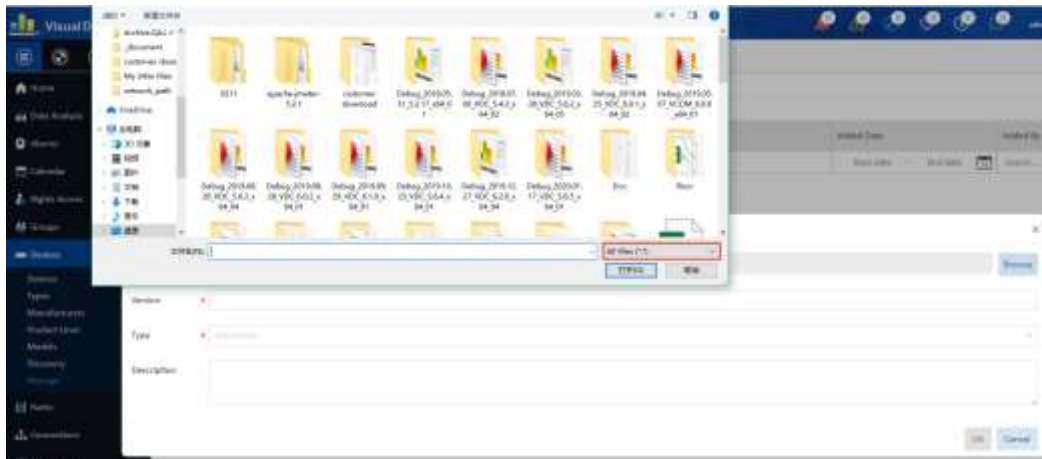
Attribute	Value
Actual Power	
Cooling - Tons Capacity	44.5 ton
Cooling Utilization	4.450 %
Estimated Yearly Cost	\$ 2,014.8
Estimated Yearly Power Consumption	8,760 kW
Front U Space Remaining	2,187 U
Front U Space Total	2,371 U

Now:

Attribute	Value
Cooling Utilization	
Estimated Yearly Cost	
Estimated Yearly Energy Consumption	
Front U Space Remaining	42 U
Front U Space Reserved	0 U
Front U Space Total	42 U
Front U Space Used	0 U

- **3619 Manage upload library change default the option to All Files**

When upload the library under manage page, browse file the default option is All files.



- **3620 UPS Firmware Version**

Change Firmware Software as Firmware version for UPS devices

1. Select Report Type

Select the type of report process to be completed.

Watch Device PDU/RPP Events Location Device Firmware Device Configuration ITIM Model Mapping ITIM Address Mapping

Description

Select devices you want to update.

Manufacturer: / Type: / UPS - Jackson

ID	Device IP	Model	Serial Number	IP Address	Delay Check #	Owner	Device Group	Firmware Version	Path	Path Group
11	10.10.10.10	SP750	01-012846849 Mag: SP750	10.10.10.128			Int-DGL	FW 01.14.008		
12	10.10.10.10	995138.2086	01-042540344 Mag: 10000447-8991	192.168.111.139			Public	FW 0.15.000.1.30	Pack1 Firmware_Update	
13	10.10.10.10	SP5000	011346817	10.10.10.128			1115 per test device group	Network Management Card v5.00.02		
14	10.10.10.10	10004217-1581	041210001	10.10.10.128			Int-DGLPublic	1.5.1		

- **3621** [IBVG-242-75886]: VPM version 6.2.0 APC product line misspelled

The Model AP7802 product line is spelled "Seitched Rack PDU" and this should read "Switched Rack PDU".

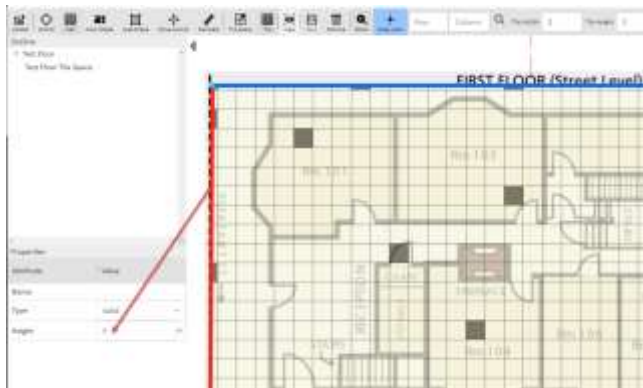


Model - AP7802

Name	AP7802	Product Line	Switched Rack PDU
UUID	381a7a77-8889-11e3-9e10-000280000018	Energy Type	Electrical
Type	PDU - Rackmount	Description	
Manufacturer	APC		

- **3622** Set wall height

Add the function for set wall height.



- **3623** RPDU and ATS Dashboard Power Path link

Update the PDU – Rackmount and Transfer Switch Rackmount device dashboard Power Path link from flash page to h5 page.

Dashboard | Graphs | Ports | Alarms | Calendar | Attributes | Monitor | Applications | Images | Groups | Links | Projects | Root Cause

Impact

Output

Attribute	Value
Voltage	120.8 V
Current	0.0 A
Status Internal Failure	Good
Status Output	Output Powered
Status Overload	No Overload
Status Over Temperature	No Over Temperature
Status Short Circuit	No Short Circuit
Status Communication Lost	Good
Status Configuration Failure	Good

Configuration

Attribute	Value
Input Voltage Rating	1.0 V
Input Frequency Rating	60.0 Hz
Preferred	Source 1
Sensitivity	Normal
Transfer Mode	Standard
Last Transfer Test Result	No Test Initiated

Contact Sensors

Sensor	Type	Status	Description
1	Normally Open	Closed With Notice	Input #1
2	Normally Open	Closed With Notice	Input #2

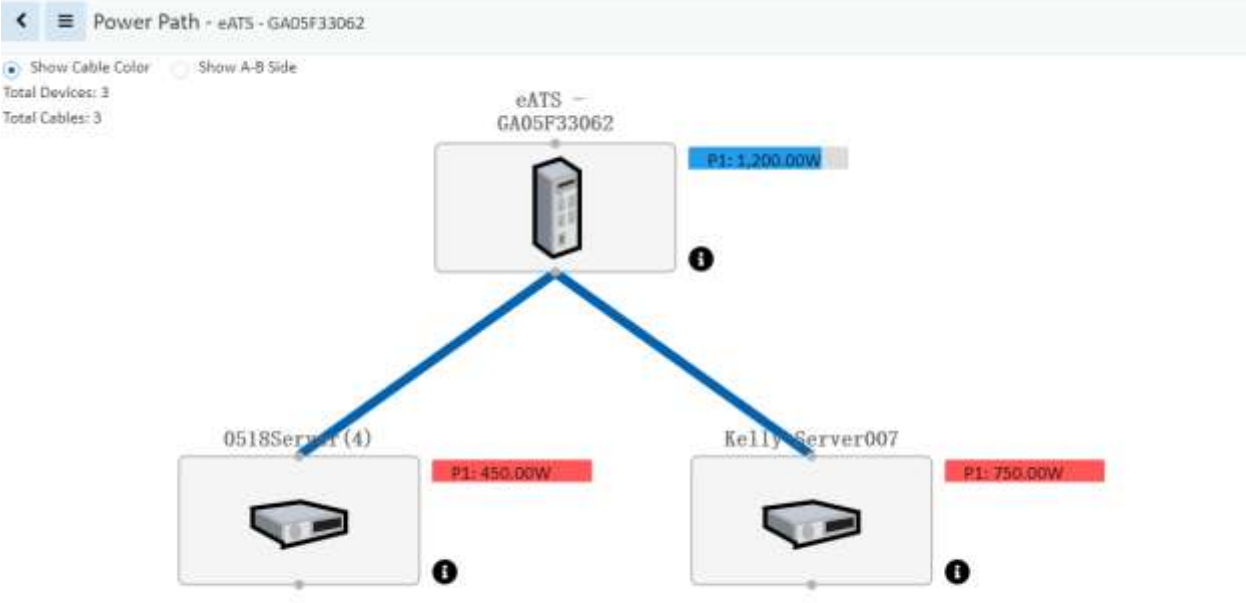
Environment

Attribute	Value
Temperature	
Humidity	

Capacity

Metrics	Total	Used	Reserved	Available	%

Power Path Connect



- **3624 Clearmon9.sh script overwritten issue**

Fixed the /opt/VDC/bin/clearmon9.sh overwritten issue.

- **3625 UPS MS Card discovery add Serial Number**

Add the Serial Number for UPS MS card discovered device.

⚙ All - Device contains eqps - IP Address contains 226

Device	Type	Manufacturer	Product Line	Model	Lifecycle Status	Asset Tag	Serial Number	IP Address
eqps	Search...	Search...	Search...	Search...	Search...	Search...	Search...	226
eUPS - Bulloch Hall - Shop	UPS - Rackmount	Eaton	SP	SP750	Available		ID: G128J46064 , Mig: SP750	10.10.10.226
eUPS - EatonSP1000	UPS - Rackmount	Eaton	SP	SP1000	Available		G123146317	10.10.10.226
eUPS - upr-00-20-85-ES-79-E3	UPS - Rackmount	Eaton	Powerware 5110	100004257-5591	Available		BF12115001	10.10.10.226