

Vertiv™ Avocent® ADX RM1048P Rack Manager

Release Notes

VERSION 1.17.7, OCTOBER 2022

Release Notes Section Outline

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1. Update Instructions

The Vertiv™ Avocent® ADX RM1048P Rack Manager firmware may be updated through the web user interface (UI). To access the rack manager web UI, enter your assigned IP address into a web browser (this IP address is provided upon initial set up of the Vertiv™ Avocent® ADX RM1048P Rack Manager).

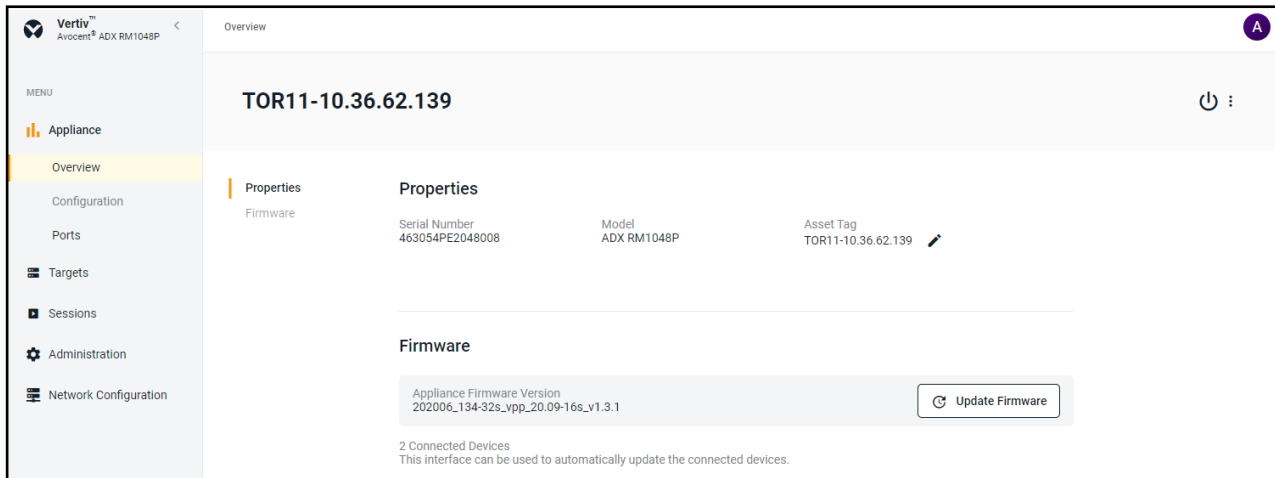
NOTE: For additional information on this process, see the Vertiv™ Avocent® ADX RM1048P Rack Manager Quick Installation Guide that is provided with the rack manager and also available at [Vertiv™ Avocent® ADX Rack Manager](#) under the *Documents & Downloads* tab.

IMPORTANT NOTE: Prior to updating the firmware, ensure your hardware will have full integration software support with this release. For more information, contact your Vertiv Technical Support representative.

To update the Vertiv™ Avocent® ADX RM1048P Rack Manager firmware:

1. Visit the Vertiv™ Avocent® ADX RM1048P Rack Manager firmware download page located here:
[Vertiv™ Avocent® ADX Rack Manager Software Download](#)
2. Download the latest firmware and save it to your local computer, FTP or HTTP server.
NOTE: The latest firmware version is listed in the Appliance Firmware Version Information section of these release notes.
3. In a web browser, enter **https://<appliance.IP>** using the IP address for Vrf_app0 that you configured from the Vertiv™ Avocent® ADX RM1048P Rack Manager console menu.
4. Enter your username and password at the login screen; the Targets List screen opens.

- In the sidebar, select *Appliance-Overview* and click the *Update Firmware* button.



- Select if you'd like to update the firmware for just the rack manager or if you'd like to update the firmware for just the connected targets.
- Select the firmware file and click *Update*.
NOTE: FTP and HTTP are the only supported protocols for updating the firmware. The TFTP protocol is not supported.

2. Appliance Firmware Version Information

APPLIANCE/PRODUCT	VERSION	FILENAME
Vertiv™ Avocent® ADX RM1048P Rack Manager	1.17.7	SONiC-202006_134-38s_vpp_20.09-17s_v1.17.7.bin

3. Features and Enhancements

The following features and enhancements are available with this release of the Vertiv™ Avocent® ADX RM1048P Rack Manager:

- The new Appliance view displays the list of appliances and connected targets in a hierarchical format and allows you to search for and access details about both.
- The new SSL Certificate Replacement feature allows you to create a CSR request that can be sent to a certificate authority to obtain a signed certificate which may then be uploaded to a Vertiv™ Avocent® ADX MP1000 Management Platform appliance. For additional information on this process, see the release notes that accompany the Certificate Replacement Script.
- This release adds IPMI protocol support for service processors (SPs). This capability allows you to perform power/reset operations, control LED status and monitor sensor information on targets that support IPMI functionality.
- With this release, the Event Name property of an event in the Properties panel is renamed to "Description".

Resolved Issues

- General issues resolved:
 - Fixed issue where there was no indication of the actual powered state of a virtual machine.
 - Fixed issue where some operations for a Vertiv™ Avocent® ADX IPIQ IP KVM device (control LED, restart, and reset, for example) could not be performed.

- Resource Group issues resolved:
 - Fixed issue where adding a device from the second page on the Resource Group list caused the device to be duplicated in the Resource Group list.
 - Fixed issue where a device could not be removed from a resource group.
 - Fixed issue where removing a target from a resource group caused the target to be removed from all other resource groups associated with the target.
- Serial issues resolved (serial appliances/ports/sessions):
 - Fixed issue where the link to launch a KVM session was showing twice for a virtual machine.
 - Fixed issue where the KVM Viewer displayed an error when running in Full Screen and Single Cursor mode using Chrome, Firefox and Edge browsers.
 - Fixed issue where the KVM Viewer was not closing when clicking on the *Exit* button using Firefox version 105.
 - Fixed issue where the statistics panel in the KVM Viewer showed resolution when there was no signal at startup.
 - Fixed issue where the status bar showed as Inactive after successfully mapping a folder in a virtual media connection to a Vertiv™ Avocent® ADX IPUHD 4K IP KVM and Vertiv™ Avocent® ADX IPIQ IP KVM device.
- Service processor (SP) issues resolved:
 - Fixed issue where firmware upgrade was failing for Dell iDRAC8, Dell iDRAC9 and XCC SPs.
- Licensing issues resolved:
 - Fixed issue where an event was not being added to the event log when a license was added.
 - Fixed issue where an invalid license expiration notification value (such as 1 day) was being allowed.
- Resync issues resolved:
 - Fixed issue where a resync operation on an SP was adding a duplicate entry in the Target List view.
 - Fixed issue where the Resync option was being displayed incorrectly for Vertiv™ Avocent® ADX IPUHD 4K IP KVM and Vertiv™ Avocent® ADX IPIQ IP KVM devices.
- Configuration issues resolved:
 - Fixed issue where the date format for the 24-hour clock was incorrect under System Settings.
 - Fixed issue where changing user properties under User Management was not successful.
 - Fixed issue where the Prefix Length field could not be set to a number greater than 24 on the Static Network Configuration page.
 - Fixed issue where the destination port mapping setting was missing.
 - Fixed issue where changing the Network Configuration settings for a Vertiv™ Avocent® ADX RM1048P Rack Manager was generating an error message.
 - Fixed issue where the settings for a Vertiv™ Avocent® ADX IPIQ IP KVM device could not be modified.
 - Fixed issue where *Unknown* error was displayed after changing Credential Profile notes or DHCP settings.
 - Fixed issue where enabling the Vertiv™ Avocent® DSView management software “DSView Unit Group” mapping setting required toggling the ON and OFF option twice.

4. Device Support Information

The following devices may be managed by the Vertiv™ Avocent® ADX RM1048P Rack Manager:

- Vertiv™ Avocent® ADX IPUHD 4K IP KVM device
 - Vertiv™ Avocent® ADX IPIQ IP KVM device
 - Vertiv™ Avocent® Universal Management Gateway appliance UMIQ-v2 module converted to operate as a Vertiv™ Avocent® ADX IPIQ IP KVM device
- NOTE: For this functionality, contact your Vertiv Technical Support representative.**

5. Language Support Information

The Vertiv™ Avocent® ADX RM1048P Rack Manager software currently supports English and Simplified Chinese.

6. Client Browser Support Information

NOTE: Unless noted otherwise, both 32-bit and 64-bit browsers are supported.

BROWSER	PREFERRED VERSION	SUPPORTED VERSIONS
Edge	99+	79+
Firefox (Windows, MacOS, Linux)	97+	35+
Chrome	99+	40+
Safari	15+	12+

7. Viewer Support and Version Information

Supported Viewers

VIEWER	VERSION
KVM Viewer	2.21.1
Serial Viewer	2.15.1

8. Dashboard Support Information

ITEM	VERSION
Dashboard	1.10.1

9. Server Processor (SP) Support Information

Tested SPs/Servers and Firmware

NOTE: Other SPs that support IPMI 2.0 may also be supported.

SERVICE PROCESSOR	FIRMWARE VERSION	PROTOCOLS
Dell iDRAC6 (R)	2.92	IPMI 2.0
Dell iDRAC7	2.65.65.65	Redfish, IPMI 2.0
Dell iDRAC8	2.82.82.82	Redfish, IPMI 2.0
Dell iDRAC9	5.00.00.00	Redfish, IPMI 2.0
HP iLO 2	iLO 2 v2.33	IPMI 2.0
HP iLO 3	iLO 3 v1.92	IPMI 2.0
HP iLO 4	iLO 4 v2.80	Redfish, IPMI 2.0
HP iLO 5	iLO 5 v2.71	Redfish, IPMI 2.0
Lenovo IMM2	TCOO60A 5.90	IPMI 2.0
Lenovo XCC	CDI394N 8.40	Redfish, IPMI 2.0

SERVICE PROCESSOR	FIRMWARE VERSION	PROTOCOLS
FSC iRMCS4	9.62F	IPMI 2.0
ACI	v4.3-2022-r08	Redfish, IPMI 2.0
OpenBMC	2.9, 2.11	Redfish, IPMI 2.0

Supported SPs/Servers for Launching KVM Sessions

SERVICE PROCESSOR	PORT
Dell iDRAC7	5900
Dell iDRAC8	5900
Dell iDRAC9	5900 (default), 443 (configured with racadm)
HP iLO 4	5900 (firmware < 2.8), 443 (firmware > 2.8)
HP iLO 5	443
XCC	3900

10. Power Distribution Unit (PDU) Support Information

PRODUCT FAMILY	FIRMWARE VERSION
Vertiv™ Geist™ I-03 PDU	5.6.0

11. TCP Port Usage Information

NOTE: TCP port usage is bidirectional unless otherwise noted

PORT	TYPE	DESCRIPTION
443	TCP	General Communications (TCP)
22	TCP	General Communications (TCP)

12. Known Issues and Limitations

This release contains the following known issues and limitations:

- SP issues:
 - Accessing details for SPs that were discovered using invalid Credential Profile information results in an error message and no device details are shown. The workaround for this is to update the Credential Profile in the SP's Properties panel and perform a Resync operation, or you can rediscover one or more SPs with an IP Range Discovery operation using the correct Credential Profile(s).
 - OpenBMC SPs do not support virtual media, sensor, power or thermal data.
 - Virtual media resources are not supported in the XCC SP.
 - Mounting virtual media on iDRAC7/8 SPs behaves inconsistently.
 - CIFS and NFS are not operational for HP iLO4 and iLO5 SPs.
 - No access is given to archived events on an HP iLO5 SP.

- Clicking the SP name link (hyperlink) on the Targets List view produces error messages.
- The default system roles (User-Role, User-Administrator-Role and System-Maintainer-Role) do not include access to SPs.
- Session/Viewer issues:
 - VM sessions are not cleared after exiting the KVM Viewer.
 - A KVM session to a Vertiv™ Avocent® ADX IPUHD 4K IP KVM device that goes into sleep mode due to user inactivity does not respond to keyboard or mouse input.
 - Session timeout modifications do not take effect until a logout occurs; no message is forthcoming.
 - Viewer sessions for a Vertiv™ Avocent® ADX IPUHD 4K IP KVM device connected to a Vertiv™ Avocent® ADX RM1048P Rack Manager does not show up correctly in the Dashboard.
- Web UI issues:
 - With the option to add another resource group to a resource group, there are only options to add existing resource groups.
 - Unable to change a full name in the User Preferences view.
- General issues:
 - Changing network settings from DHCP to Static on the Properties panel requires you to wait at least one minute, then refresh the page to view updated changes.
 - The Kingston USB device is not supported and not displayed in the Boot Manager.
 - Power Control is non-functional for unlicensed VMWare targets.
 - The Virtual Machine Viewer Caps Lock (and other keys) are not highlighting when using Linux; this is not supported in VMWare.
 - The changed time (from the CLI) is not maintained through a reset. BIOS overrides time and must be set via BIOS.
 - Managed Vertiv™ Avocent® ADX RM1048P Rack Manager and Vertiv™ Avocent® ADX IPUHD 4K IP KVM device firmware updates via the new managed device drill-down page fail with an error message.
 - Deleting an unmanaged Vertiv™ Avocent® ADX RM1048P Rack Manager in the Vertiv™ Avocent® ADX MP1000 Management Platform does not trigger the rack manager to go into Standalone mode; it must be done manually.
 - In some rare cases, the Status column in the Target List view disappears using the Chrome browser. If this occurs, clear the browser cache and open a new browser window.