
Avocent® Universal Management Gateway Appliance Plug-in for Avocent® DSView™ 4.5 Management Software Release Notes Version 3.3.0.26 July 29, 2016

This document outlines:

1. System Requirements
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1. System Requirements

This plug-in is compatible with Avocent® DSView™ management software release versions beginning with version 4.5, Service Pack 5 (SP5). Please update the Avocent® DSView™ management software to version 4.5 SP5 or higher prior to installing this plug-in.

NOTE: All references to “DSView™ software” within these release notes refer to version 4.5, SP5 or later, unless otherwise specified.

This plug-in is required to support JAVA 8-based Avocent® DSView™ management software, version 4.5. SP5 (Service Pack 5) and higher, and this plug-in is not compatible with JAVA 7-based DSView™ software from version 4.5.0.108 to 4.5.0.247.

After upgrading the appliance to version 3.3.0.27, if KVM sessions launched via the DSView™ software display an error message, resync the appliance with the DSView™ software and try again.

For more detailed information on system requirements and other helpful reference items, please download the latest Avocent® Universal Management Gateway appliance plug-in technical bulletin and refer to the Avocent® Universal Management Gateway appliance and the Avocent® DSView™ software installer/user guides.

To upgrade your system for this release:

NOTE: The client computer must use a 32-bit browser with a 32-bit Java JRE to launch sessions from the DSView™ software. Java® JRE 8u45 and 7u71 was used in testing.

1. Upgrade the DSView™ management software to SP5 (Service Pack 5) or later. If there are DSView™ software login issues using the Internet Explorer browser after upgrading, please ensure that the SSLv2 and SSLv3 options are disabled in the browser.
2. Upgrade the Avocent® Universal Management Gateway appliance plug-in to version 3.3.0.26 or later.
NOTE: The appliance plug-in **must** be at the same version or newer than the appliance firmware for correct operation.
3. Upgrade the Avocent® Universal Management Gateway appliance to version 3.3.0.27 or earlier.
4. Execute the appliance resync action for the Avocent® Universal Management Gateway appliance within the Avocent® DSView™ software.

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5. If this upgrade sequence could not be followed and the Avocent® Universal Management Gateway appliance cannot properly be managed using the DSView™ software, please remove the appliance from the software and then re-add the appliance again.
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2. Language Support Information

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English, Chinese and Japanese languages are supported by the Avocent® Universal Management Gateway appliance plug-in.

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3. Features and Enhancements

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Issue number	Component	Description
n/a	DSView™ software plug-in	The Avocent® Universal Management Gateway appliance version 3.3.0.27 is now supported in the DSView™ software.
n/a	DSView™ software KVM Viewer	Smart cards are now correctly mapped through the DSView™ software when using the current (non-Legacy) KVM Viewer.
n/a	DSView™ software KVM Viewer	The KVM viewer now allows the view color to be reset.
487234-581866434	DSView™ software plug-in	The Shutdown Appliance tool will no longer function if the user does not have the user reboot right, even though it is still selectable.

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4. Known Issues

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General

- An Avocent® Universal Management Gateway appliance must have an assigned IP address prior to being added to the DSView™ software.
- The Avocent® Universal Management Gateway appliance only sends SNMP type 1 traps to the DSView™ software.
- An Avocent® Universal Management Gateway appliance cannot be added to the DSView™ software if the appliance is a target device (such as a terminal server) of another appliance already added to the DSView™ software.
- When the Avocent® Universal Management Gateway appliance is under heavy processor load and simultaneously is added to DSView™ software, the appliance may be added without targets. Please either resync the appliance or delete and re-add the appliance after the processor load is reduced to complete the discovery of the target devices managed by the appliance.

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- The display of targets in the Avocent® Universal Management Gateway appliance unit view of the Avocent® DSView™ software is slower when there are many targets added to the appliance.
 - When connecting SSH sessions to the Avocent® Universal Management Gateway appliance through the Avocent® DSView™ software using the Internet Explorer browser, the Putty viewer must be selected in the DSView™ software. If the Chrome browser is used, then the built-in Java viewer must be selected in the Avocent® DSView™ software. Firefox can use either serial viewer application, except that for browser version 21, the `plugins.load_appdir_plugins` value must be set to true from the `about:config` screen to enable the Putty viewer to be launched.
 - Configuration performed on the Target Settings/KVM Settings/Defaults screen does not work correctly for appliance firmware versions 2.8.1.13 and older used with plug-in version 3.1.3.12 and newer.
 - Appliance or target event handling or logging is not yet supported through the DSView™ software.
 - Disabled port status update is not yet supported through the DSView™ software unless Unit Status Polling is enabled.
 - Dial-up functionality is not yet supported through the DSView™ software.
 - Appliance backup or restore is not yet supported through the DSView™ software.
 - If a target device is moved to a different private port on the appliance, an Appliance Resync in the DSView™ software is required to update the port number in the DSView™ software.

Service Processor (SP)

- The control of Service Processor indicators using the DSView™ software is now only functional for appliance versions 2.9.0.25 and later, using plug-in versions 3.1.0.18 and later. Use the appliance web interface as needed to work around this issue.
- Serial-over-LAN sessions launched from the DSView™ software are shown as serial sessions in the DSView™ Active Sessions list.
- The Avocent® Universal Management Gateway appliance now supports Service Processor discovery by assigning the Service Processor hostname. If the same target using a hostname is discovered in multiple appliances which are managed by the DSView™ software, the target will be presented with multiple navigation nodes and other undefined behavior. Please ensure that a Service Processor target is only managed once within the DSView™ software.
- If a blade chassis is added to the appliance with Automatic Topology Update enabled in the DSView™ software, the blades within the blade chassis do not always automatically appear in the DSView™ software. Please execute the Update Topology task within DSView™ software to complete the discovery of the blades within the blade chassis.
- The KG value within a Service Processor cannot be saved through the Avocent® DSView™ software for Avocent® Universal Management Gateway appliance versions less than 2.0.0.0. Please upgrade the Avocent® Universal Management Gateway appliance firmware to 2.x.x.x or later to resolve the issue.
- When adding a Service Processor, options are presented for “Cisco Chassis” and “Cisco UCS-B”. These options are not yet supported and should be ignored.
- The DSView™ software does not display the Enclosure LED status for the HP iLo and iLo2 Service Processors.

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- When an FSC iRMC Service Processor target is selected in the DSView™ software, the navigation label shows *IPMI* instead of FSC iRMC.
 - The status of a Generic Service Processor is shown in the DSView™ software as *Unit Status Unknown* when it should be shown as *Idle*.
 - Merged targets cannot include more than one Service Processor target.
 - Two SoL Session tools are displayed for the Cisco UCS-B blades.
 - Power information is not available from Dell M600, M605 or M805 blades. The error message *SPM_RESULT_MEMORYERROR* may be displayed.
 - SSH and Telnet session launches to Service Processor chassis are currently not functional using the Avocent® DSView™ software. Please use the appliance Web interface for these launches.

Power Distribution Unit (PDU)

- Power Distribution Unit (PDU) firmware update is not yet supported through the DSView™ software.
- For best results, outlet power control operations from the appliance unit view and outlet unit overview should be performed slowly and only using one outlet at a time. Cycle operations should be avoided.
- For best results, outlet power control functions from the Outlet/Properties navigation of the outlet unit overview should be performed slowly.
- Outlet transition notifications are not always received from the appliance.
- A "PDU thresholds Configuration - Bulk Edit" operation option is unintentionally presented for any PDU managed through the Avocent® Universal Management Gateway appliance. This operation is not functional and should not be used.
- If an outlet of a PDU managed by the Avocent® Universal Management Gateway appliance was set to *Locked Off* prior to adding the appliance to the DSView™ software, the outlet state will be displayed as "Idle" in the DSView™ software.

KVM/UMIQ Module

- KVM sessions can only be launched from 32-bit browser clients when using the DSView™ software.
- KVM sessions launched from Chrome version 42 and greater cannot be launched until the NPAPI is enabled. The process to enable the NPAPI is:
 - a. Browse to: `chrome://flags/#enable-npapi`
 - b. Click the *Enable* link for the Enable NPAPI configuration option.
 - c. Click the *Relaunch* button that now appears at the bottom of the configuration page.
- If KVM viewer installation issues are seen when using the Firefox browser version 21 and later with the Avocent® DSView™ software, please browse to `about:config` in the browser and change the `plugins.load_appdir_plugins` value to `true`.
- If KVM viewer installation issues are seen when using the Internet Explorer browser with the DSView™ software, please follow these steps:
 - a. In a separate tab, browse to `https://<DSView-IP>/dsview/applets/AvctInstall32.cab#Version=5,04,04,317`

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- b. Save the cab file to the hard disk, and expand the contents into a folder
 - c. Execute the AvctlInstall32.bat file to complete the viewer installation
- If an active KVM session is launched through the DSView™ software and a new user is added to the appliance, the /var/home directory will be removed from the appliance.
 - If KVM data is encrypted on a KVM session, the appliance must be connected to the Avocent® DSView™ software in secure mode.
 - If KVM data is not encrypted but a KVM session cannot be established, the appliance must be connected to the DSView™ software in secure mode.
 - If UMIQ module names are not automatically pulled into the Avocent® DSView™ software from the Avocent® Universal Management Gateway appliance, please insure the setup and configuration is set as follows:
 - a. SNMP Traps should be enabled and flowing between the Avocent® Universal Management Gateway appliance and the DSView™ software.
 - b. SNMP traps from the Avocent® Universal Management Gateway appliance should be directed to the correct DSView™ software. Check this from the appliance Unit Overview. The Appliance Settings/Users/Authentication/Authentication Servers/DSView software setting for Authentication server 1 should be set to the DSView™ software server IP address as seen by the appliance. If this value is incorrect, it can be manually set here, or will be automatically reset by an appliance resync.
 - c. These System Settings in the DSView™ software should be enabled:
 - The System/Global Properties/Units/Synchronization/Auto Name Pull must have the “Pull Names from appliances to DSView automatically” setting enabled.
 - The System/Global Properties/Units/Synchronization/Auto Topology Update screen must have the “Delete target devices that no longer have connections” setting enabled.
 - The System/Global Properties/Units/Deletion screen must have the “Delete target devices that no longer have connections” setting enabled.
 - d. If there is still an issue with a name update on an appliance reboot or the adding of a UMIQ module, check the Target Devices view and delete any instances where the target name in the Avocent® DSView™ software database matches the actual target name of the UMIQ module.
 - The DSView software Proxy mode selection overrides the setting of the UMIQ module Pass-Through mode.

Serial Port Targets

- The DSView™ software Serial Viewer will not launch using the Chrome browser version 29. Please use an older or newer version of Chrome.
- If Putty serial viewer installation issues are seen when using the Firefox browser version 21 and later with the DSView™ software, please browse to about:config in the browser and change the plugins.load_appdir_plugins value to true.
- After the appliance is factory defaulted, serial sessions launched from the DSView™ software with a DSView™ software user not defined within the appliance will display some error messages at the start of the launch in the viewer window. These error messages do not indicate a user issue and can be ignored.
- Serial session launch tools for terminal servers are currently not supported. Please use the appliance Web interface for this function.

FIPS Operation

- When the appliance is operating in FIPS mode, an MD5-based certificate is used to connect the appliance to the DSView™ software in trust-all mode. Set the connection to Secure Mode to ensure that MD5 is not included in the certificate.
- Prior to setting an appliance to FIPS mode, the appliance should be deleted from the Avocent® DSView™ software, then re-added to the software after the appliance is set to run in FIPS mode. Similarly, before removing an appliance from FIPS mode, the appliance should be deleted from the DSView™ software and then re-added to the software after the appliance is removed from FIPS mode.

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