

Vertiv™ Avocent® ACS6000 Advanced Console Server

Release Notes

VERSION 3.9.0.5, MAY 23, 2022

Release Notes Section Outline

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1. Update Instructions

These release notes refer to the Vertiv™ Avocent® ACS6000 advanced console server. Please refer to your installer/user guide for detailed instructions on updating the Vertiv™ Avocent® ACS advanced console server.

IMPORTANT NOTE: This version must be upgraded from version 3.1.0.8 or later. Appliances with versions earlier than 2.5.0.11 must upgrade to 2.5.0.11, then 3.6.0.8, before upgrading to 3.9.0.5. Appliances with versions between 2.5.0.11 and 3.0.0.13 must upgrade to 3.6.0.8 before upgrading to 3.9.0.5.

In order to have all features listed in this release available through the Vertiv™ Avocent® DSView™ management software, DSView™ software version 4.5 (SP14 or later) and ACS6000 console server plug-in version 3.7.0.11 are required.

Vertiv™ Avocent® ACS6000 console server firmware version 3.9.0.5 provides an internal mechanism which preserves the existing configuration when upgrading from previous firmware versions. However, it is strongly recommended that you back up the system configuration before firmware version upgrades.

2. Appliance Firmware Version Information

| APPLIANCE/PRODUCT | VERSION | FILENAME |
|--|---------|------------------------------|
| Vertiv™ Avocent® ACS6000 Advanced Console Server | 3.9.0.5 | avolmage_avctacs_3.9.0.5.zip |

3. Local Client Requirements

| SOFTWARE | VERSION |
|----------|---------|
| Edge | 100 |
| Firefox | 99 |
| Chrome | 100 |
| Safari | 15.4 |

To access the console port with factory default settings, you need terminal emulation software running 9600 bits per second, 8 bits, 1 stop bit, no parity and no flow control.

4. Issues Resolved

Descriptions for the issues resolved with this release are listed below:

- Updated OpenSSH to version 8.8p1 [CVE-2021-28041]

5. Known Issues

- HTTPS sometimes does not work in Firefox. Firefox does not load the certificate, or it takes a long time to load the certificate. To correct this, go to the Firefox Help menu and click *Troubleshooting Information*. On the top-right of the page, click *Refresh Firefox*. This cleans up the Firefox certificates.
- All SNMP traps are sent using SNMPv1.
- XML configurations which include configuration templates should always be saved and applied using the same firmware version.

6. External Network Port Usage

| PORT RANGE | DESCRIPTION | SERVICE |
|------------|-------------|---|
| 0 | ICMP | Open to allow network connectivity verification over icmp. |
| 20 | FTP | Open to allow appliance firmware upgrade (data). |
| 21 | FTP | Open to allow appliance firmware upgrade (command). |
| 22 | SSH | Open to allow SSH sessions to appliance. |
| 23 | TELNET | Open to allow Telnet sessions to appliance. |
| 25 | SMTP | Open to allow email notifications. |
| 49 | TACACS+ | Open to allow connection with Remote TACACS+ Server. |
| 80 | HTTP | Open to allow web UI operation. |
| 123 | NTP | Open to allow appliance time to be set. |
| 161 | SNMP | Open to allow connectivity to SNMP based targets and clients. |

| PORT RANGE | DESCRIPTION | SERVICE |
|------------|-------------|---|
| 162 | SNMP | Open to send and receive SNMP traps. |
| 389 | LDAP | Open to allow connectivity to LDAP Remote Server. |
| 443 | HTTPS | Open to allow web UI operation, HTML5 serial sessions and RestAPI. |
| 500 | VPN / IPSEC | Open to allow ISAKMP to negotiate the IKE phase 1. |
| 514 | Syslog | Open to allow Syslog server functionality. |
| 636 | LDAPS | Open to allow connectivity to LDAPS Remote Server. |
| 1812 | RADIUS | Open to allow connectivity to Radius Remote Server. |
| 3211 (UDP) | AIDP | Open to allow the Vertiv™ Avocent® DSView™ software to discover the appliance. |
| 3211 (TCP) | ASMP | Open to allow the Vertiv™ Avocent® DSView™ software to read/write appliance parameters. |
| 3502 | HTTPS | Open to allow Vertiv™ Avocent® DSView™ software connectivity. |
| 3871 | ADSAP2 | Open to allow Vertiv™ Avocent® DSView™ software-launched sessions and appliance authentication using the Vertiv™ Avocent® DSView™ software. |
| 4122 | SSH | Open to allow SSH connectivity between the Vertiv™ Avocent® DSView™ software and the appliance. |
| 4500 | VPN/ IPSec | Open to allow NAT Traversal. |
| 4514 | Syslog | Open to allow Vertiv™ Avocent® DSView™ software Syslog functionality. |
| 6701 | SMS | Open to allow SMS event notification. |
| 7001-7049 | TELNET | Open to allow Telnet access to serial port connections. |

7. Compatibility Matrix

| VERTIV™ AVOCENT® ACS ADVANCED CONSOLE SERVER VERSION | VERTIV™ AVOCENT® DSVIEW™ MANAGEMENT SOFTWARE PLUG-IN VERSION | VERTIV™ AVOCENT® DSVIEW™ MANAGEMENT SOFTWARE VERSION |
|--|--|--|
| 3.9.0.5 | 3.7.0.11 | 4.5 SP14 |