

Avocent DSView 3 Management Software

Secure, Centralized Access and Control

Infrastructure Management & Monitoring for *Business-Critical Continuity™*

Applications

- Secure, remote, centralized data center management of both physical and virtual assets from a single interface
- Access service processors from all major server manufacturers
- Data logging/archiving for regulatory and audit compliance
- Modem and ISDN support
- Support for blade servers
- Remote problem resolution
- IPv6 capable
- DS Zones for increased control

Benefits

- Hub and spoke architecture for redundancy and real-time synchronization
- User authentication through internal or external services such as LDAP, Active Directory, NT Domain, TACACS+, RADIUS and RSA SecurID®
- Fast and easy deployment with pre-configured Appliance Configuration Templates

The Avocent DSView® 3 management software provides data centers with a secure, centralized management solution for all IT assets. DSView 3 software allows administrators to access, diagnose and modify any managed device from any point on the globe, regardless of the health or status of the operating system or the network connection to those devices. DSView 3 software makes your data center and remote offices more:

Manageable

DSView 3 software provides a single, secure, browser-based interface to manage your entire data center environment, including the following:

- Blade servers and enclosures
- VMware® Virtual Infrastructure to include Center Servers (formerly Virtual Centers), ESX Servers and Virtual Machines
- Citrix® XenServer™ and virtual machines
- Rack-mounted servers
- Avocent KVM over IP switches
- ACS Advanced Console Servers
- Power Management Power Distribution Units (PM PDUs)
- Service Processor Managers (SPM)
- Embedded server management technologies
- Third-party PDUs and KVM over IP appliances

DSView 3 software also provides custom views for each user, graphical report building and task automation tools, along with a holistic view of your network assets no other system can equal. Administrators can ease and increase speed of deployment with Appliance Configuration Templates, pre-configured with their common parameters.

Accessible

The DSView 3 software “hub and spoke” architecture allows for high availability and distributed, consolidated access across locations. The out-of-band features on the DSView 3 software allow administrators to diagnose and repair problems even when gateways, routers or other IP connectivity is down.

Extensible

Data centers evolve. Whether you’re migrating to blades, experimenting with SANs or simply trying out a new router, DSView 3 software can help you maintain control by integrating with new technologies and providing a consistent management interface, regardless of your underlying infrastructure. DSView 3 software offers deep, pre-built integration with HP® software, NetClarity, Uptime Devices, VMware and others. It also provides an API to integrate third-party applications, tools and systems.

Secure

DSView 3 software easily integrates with your existing security infrastructure, authenticating against your internal or external standards-based services. All traffic is encrypted and the detailed activity logs provide a critical audit trail for issue resolution and regulatory compliance. By minimizing the need for local access in the data center, the remote management capabilities allow you to physically lock down sensitive machines for greater peace of mind.



Specifications

DSView 3 software (hub/spoke) minimum requirements

For supported Windows and Linux® systems: 2 GHz Pentium or equivalent processor

For supported Solaris™ systems: 1GHz UltraSparc III processor
4 GB RAM – additional memory may be needed depending on the number of plug-ins installed and appliances supported

100BT NIC (1 GB LAN recommended)

10 GB of free disk space – additional disk space may be required for data logging and plug-ins

One of the following operating systems:

- Microsoft® Windows 2000 Server or Windows 2000 Advanced Server with the latest service pack
- Microsoft Windows Server 2003 or 2008 Standard, Enterprise and Web Edition
- Red Hat® Enterprise Linux, version 3 or 4 (AS, ES and WS products)
- Sun® Solaris SPARC 9 and 10
- Novell® SUSE® Linux (x86) Enterprise Server 8, 9, 10 and 11

Browser support

- Internet Explorer 6.0 SP1 or later (Windows operating systems only)
- Firefox® version 1.0 or later (version 1.5 required for Mac OS)
- Mozilla® version 1.7.3 or later

Note: If you are using Mozilla or Firefox, the Video Viewer and the Telnet Viewer clients require Java

VMware requirements

VMware VirtualCenter version 2.01 or later

VMware ESX server version 3.01 or later

Xen requirements

Xen Express, Standard, Enterprise or Platinum versions 4.1 or later (only the Enterprise and Platinum versions support resource pool, which is required for XenMotion)

Blades supported

- IBM® blade chassis: BladeCenter, BladeCenter T, BladeCenter H, BladeCenter HT
- IBM blade chassis: PowerEdge 1855, PowerEdge 1955
- HP blade chassis: BladeSystem c-Class, BladeSystem p-Class
- FTS BX600
- Generic blade chassis

Managed appliance support

KVM over IP appliances

- MergePoint Unity® KVM over IP and serial console switch
- DS1800 digital switches
- DSR® KVM over IP switch: 800, 1010, 1020, * 1021, * 1022, * 1024, * 1030, * 1031, * 1161, 2010, 2020, * 2030, * 2035, * 2161, 4010, 4020, * 4030, * 4160, 8020, * 8030, * 8035*
- Cyclades® KVM/net KVM over IP switch
- Cyclades KVM/netPlus KVM over IP switch

*These models contain a modem port for use with the DSR switch remote operations software

Third-party KVM over IP appliances

- Dell 2161DS2, 4161DS and 2321DS
- HP G2 Switches: AF620A, AF621A and AF622A
- IBM GCM Switches: 1754D1X and 1754D2X
- Blackbox: KV2116A and KV4116A
- Fujitsu: s2-0411 and s3-1621
- Fujitsu Components Limited: FW-D1008NP, FW-D2016NP, FW-D4016NP, FW-D2032NP, FW-D8032NP

Console management appliances

- ACS, ACS 5000, and ACS 6000 console server appliances
- All CCM console management appliances
- CPS810 and 1610 serial over IP network appliances

Power devices

- Power devices are supported on ACS, CPS and CCM appliances and on all DSR and MergePoint Unity switches that contain one or more SPC ports
- Avocent SPC power control devices
- Avocent PM PDUs: PM 8, PM 10, PM 20, PM 1000, PM 2000 and PM 3000 models
- Liebert MPH and Liebert MPX rack PDUs**

*CPS and CCM appliances do not support

**Liebert Rack PDUs only supported through Ethernet

Third-party power devices

- APC AP71xx, AP78xx and AP79xx series PDUs*
- Server Technologies** Sentry Switched CDU CW-8H1, CW-8H2, CW-16V1, CW-16V2, CW-24V2, CW-24V3, CW-32VD1 and CW-32VD2 (supported models may change; contact Avocent Technical Support for current information)

*PDUs only supported through Ethernet

**Server Technology devices supported only through serial connections on the ACS console server and the DSR switch and MergePoint Unity switch

Service processor managers

- MergePoint® 52xx service processor manager
- MergePoint 53xx service processor manager
- Generic Appliances

Data center devices such as UPS, HVAC and environmental monitoring devices may be managed with DSView 3 management software by launching a standard Web browser to the device URL or opening a Telnet session.

Supported modems

The following modems and serial PCI cards are supported by the DSView 3 software, provided the modems are supported on the DSView 3 server operating system.

- Perle PCI-RAS 4 and PCI-RAS 8, which are backwards compatible with Perle V90 Modem
- Equinox SST MM 4p Modem
- Equinox SST 4p Serial
- Eicon DS series ISDN BRI-2M
- Eicon DS series ISDN 4BRI-8M
- DSView 3 software also supports the USR3453B - Courier 56k external modem

Note: The modems listed are not supported on Sun Solaris SPARC operating systems.

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