

DSView[®] 3 Management Software

version 3.5



Secure, Centralized Access and Control

Avocent's DSView[®] 3 management software provides data centers with a secure, centralized management solution for all of your networked hardware and software. DSView 3 software allows administrators to access, diagnose, and modify any network asset from any point on the globe, regardless of the health or status of the OS 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 Virtual Centers, ESX Servers and Virtual Machines
- Rack-mounted servers
- DSR[®] KVM over IP switches
- Cyclades[®] ACS advanced console servers
- Cyclades PM Intelligent Power Distribution Units (IPDUs)
- MergePoint[®] service processor managers
- Embedded server management technologies

DSView 3 software also provides fully-permissioned custom views for each user, graphical report building and task automation tools, and a holistic view of your network assets no other system can equal.

Accessible

DSView 3 software's redundant "hub and spoke" architecture allows administrators to access every asset in your network from any networked PC or mobile device. DSView 3 software's out-of-band (OOB) features allow admins 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 interface, regardless of your underlying infrastructure. DSView 3 software offers deep pre-built integration with HP software, NetClarity, Uptime Devices, VMware and others, and provides a free API for developers wishing to write custom software.

Secure

DSView 3 software requires no additional security procedures, authenticating against your existing 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.

Applications

- Secure, remote, centralized data center management of both physical and virtual assets from a single interface
- Access service processors from major server manufacturers including an Intelligent Platform Management Interface (IPMI)
- Data logging/archiving for regulatory and audit compliance
- Audited change management
- Automated infrastructure management with an SSH pass-through feature
- Modem and ISDN support
- Blade access and control support in DSView 3 software
- Mobile integration
- Remote problem resolution

Benefits

- Hub and spoke architecture for redundancy and real-time updates
- Consolidated user interface for centralized management
- Support for embedded server management technologies from multiple server manufacturers
- Exit macros for secure user access
- User authentication through internal or external services such as LDAP, Active Directory, NT Domain, TACACS+, RADIUS and RSA SecurID
- Access to remote sites when the network link is down using modem or high-speed ISDN connections
- Centralized health and security information to keep servers secure and available
- Proactive physical infrastructure management
- Remote management of Windows servers from hand-held devices for operational efficiency with DSView 3 mobile software

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
1 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 Standard, Enterprise and Web Edition
- Windows XP Professional with Service Pack 2 or later
- Windows 2003 Server Standard, Enterprise or Web Edition
- Windows Vista
- 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 and 9

Browser support

Microsoft Internet Explorer version 6.0 SP1 and later (Windows operating systems only)
Mozilla version 1.7.5 and later
Mozilla Firefox® version 1.0 and later (Windows and Mac®)
Netscape® version 7.2. and later

VMware Requirements

VMware VirtualCenter version 2.01 or later
VMware ESX server version 3.01 or later

Blades Supported

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

Avocent managed appliance support

Console management appliances

CPS810 and 1610 serial over IP network appliances
All CCM console management appliances
Cyclades ACS advanced console server

Digital switches

DS1800 digital switches
DSR switch models: 800, 1010, 1020,* 1021,* 1022,* 1024,* 1030,* 1031,* 1161, 2010, 2020,* 2030,* 2035,* 2161, 4010, 4020,* 4030,* 4160, 8020,* 8030,* 8035*
*These models contain a modem port for use with the DSR switch remote operations software.
Cyclades KVM/net KVM over IP switch
Cyclades KVM/netPlus KVM over IP switch

Service processor managers

MergePoint 5200 series of service processor managers

Generic appliances

Data center devices such as UPS, HVAC and environmental monitoring devices may be managed with DSView 3 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.

Power devices

Power devices are supported on Cyclades ACS, CPS and CCM appliances and on all DSR switches that contain one or more SPC ports.

- Avocent SPC power control devices
- 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)*
- Cyclades PM IPDUs: PM8i-10A, PM10-15A, PM10-20A, PM10-L20A, PM10-L30A, PM10i-10A, PM10i-15A, PM10i-16A, PM10i-20A, PM10i-L30A, PM10i-32A, PM10i-32Au, PM20-20A, PM20-L20A, PM20-L30A, PM20i-16A, PM20i-20A, PM20i-30A, PM20i-30Au, PM20i-L30A, PM20i-32A, PM20i-32Au

*CPS appliances do not support.

Features

Data Center Management

- Support for embedded server management technologies (HP® iLO, Dell® DRAC 4, IBM® RSA II, NEC IPF), IPMI, MergePoint appliances and Cyclades-branded appliances
- Multiplatform support for centralized management
- Detailed audit logs and reporting
- Email event notification and SNMP traps for defined system events
- Scheduling of routine tasks, updates and file loading, including automation of task schedules and updates
- Modem and ISDN support for remote access when the network is down

Security

- Authentication against existing authentication services (LDAP, Active Directory, NT Domain, RADIUS, TACACS+ and RSA SecurID)
- Selectable encryption modes
- Redundancy for user access and authentication provided by hub and spoke architecture
- User logs and access control
- Log event management
- Exit macros

User Interface

- Single, secure browser-based interface with customized usability features, including keyboard pass-through, scaling, custom viewer toolbar and built-in search filter
- Multi-browser support (Internet Explorer, Firefox, Netscape and Mozilla)
- Virtual Media support for remote diagnostic testing and software loading
- Scalable video sessions

Plug-in Support

LANDesk® Server Manager

- Complete systems management for servers from bare metal provisioning through the life cycle
- Provides key server health and performance metrics
- Single sign-on

DSView 3 Mobile Software

- Connectivity through handheld devices
- Remote Management

DSView 3 Connector for HP Software

- Out-of-band and power management for HP Software

Uptime Devices

- Environmental monitoring
- Proactive physical infrastructure management

NetClarity Auditor

- Vulnerability discovery
- Remediation capabilities