## Secure, Centralized Access and Control

Avocent's DSView 3 management software provides data centers with a secure, centralized management solution for all of your 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 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 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 "hub and spoke" architecture allows for high availability and distributed, consolidated access across locations. 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 management 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 an API to integrate 3rd party application, 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.

## 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
- Appliance Configuration Templates

## 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®
- 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
- Fast and easy deployment with pre-configured Appliance Configuration Templates

## 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 Standard, Enterprise and Web Edition
- Windows 2003 Server Standard, Enterprise or 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 and 9

### 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 your are using Mozilla or Firefox, the Video Viewer and the Telnet Viewer clients require Java; see Java Installation.*

### 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
- Supports IPv6 and IPv4 for easier transition.
- DS Zones segregate assets for departmental and remote office autonomy
- Avocent Configuration Templates- deploy new appliances using a predefined templates to save installation/configuration time

### 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
- DS Zones restrict user access by zones for easier tracking and auditing.

### 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 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 Power Manager

- Monitor and measure energy consumption
- Simplify power and cooling capacity planning

### 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