

Avocent DSView™ Management Software

Secure, Centralized Access and Control

Applications

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

Benefits

- Hub-and-spoke architecture for redundancy and real-time synchronization
- Simple yet precise user permissioning with authentication through internal or external services such as LDAP, active directory, NT domain, TACACS+, RADIUS or RSA SecureID
- Open framework database for custom reporting options
- FIPS 140-2 appliance compliance support and 2048 SSL certificate
- VMware, Citrix XenServer and Hyper-V support for virtual data center assets

The Avocent DSView™ management software provides data centers with a secure, centralized management solution for all IT assets, including virtual and blade servers, VMware and service processors. The Avocent DSView software lets administrators access, diagnose and modify any managed device from any point on the globe regardless of the health or status of the operating system or network connection to those devices. The Avocent DSView software makes data center management accessible, manageable, secure and extensible.

Manageable

The Avocent DSView™ software provides a single, secure, browser-based interface to manage an entire data center, which includes the following:

- Blade servers, enclosures
- VMware Virtual Infrastructure, ESX Servers and virtual machines
- Citrix XENServer
- Microsoft Hyper-V
- Rack-mounted servers
- Avocent MergePoint Unity™ KVM over IP switches
- Avocent® Universal Management Gateway appliance
- Avocent® ACS advanced console servers (ACS 5000/ ACS 6000)
- Avocent® Power Management Distribution Units (PM PDUs)
- Avocent MergePoint™ service processor managers
- Embedded server management technologies
- Third-party PDUs and KVM over IP appliances

The Avocent DSView software 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 design custom reports to fit the needs of individual data centers.

Accessible

The Avocent DSView™ software's hub-and-spoke architecture allows for high availability and distributed, consolidated access across locations. The out-of-band features of the Avocent DSView software allow administrators to diagnose and repair problems even when gateways, routers or other IP connectivity options are down.

Extensible

Data centers evolve. Whether migrating to blades, experimenting with SANs or simply deploying new routers, the Avocent DSView™ software helps maintain control by integrating with new technologies and by providing a consistent management interface, regardless of your underlying infrastructure. The Avocent DSView software offers integration with NetClarity, Uptime Devices, VMware and others. It also provides an API to integrate third-party applications, tools and systems.

Secure

The Avocent DSView™ software easily integrates with existing security infrastructure, authenticating against 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. With the inclusion of FIPS 140-2 appliance compliance and 2048 bit SSL certificates, the Avocent DSView software upgrades security features for a variety of markets. By minimizing the need for local access in the data center, these remote management capabilities allow sensitive machines to be physically locked down for greater peace of mind.



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Specifications

Avocent DSView™ software (hub/spoke) minimum requirements

Operating System:

- Microsoft Windows Server 2003 (x64), 2003 R2 (x64), 2008 (x64), 2008 R2 (x64)
- SuSe Linux Enterprise Server 10 (x64), 11 (x64)
- RedHat Enterprise Server 5.8 (x64), and 6.2 (x64)
- Sun Solaris SPARC 10

Hardware Requirements:

Large (> 7000 Target Devices)

Windows/Linux Dedicated Physical Server

- One more more 2+ Ghz CPU
- 6+ GB RAM
- 40+ GB HDD

Sun Server

- 1 Ghz UltraSparc III
- 4+ GB RAM
- 80+ GB HDD

1 gbps/10 gbps LAN

Local or remote database

Medium (1000-7000 Target Devices)

Windows/Linux Dedicated Physical Server

- 2+ Ghz Multi-Core CPU
- 4+ GB RAM
- 40+ GB HDD

Sun Server

- 1 Ghz UltraSparc III
- 4+ GB RAM
- 40+ GB HDD

10 mbps/100 mbps/1 gbps (recommended) LAN

Local or remote database

Small (<1000 Target Devices)

Windows/Linux Dedicated Physical Server or (ESX/Hyper-V)

Virtual Machine (no resource sharing)

- Dedicated processing priority 2+ Ghz
- Dedicated 6 GB RAM
- 40 GB non-expanding HDD

Sun Server

- 1 Ghz UltraSparc III
- 4+ GB RAM
- 40+ GB HDD

10 mbps/100 mbps LAN

Local database

Browser support

- Internet Explorer 7, 8 and 9 (Windows operating systems only)
- up to Firefox version 15 (version 1.5 required for Mac OS)
- Mozilla version 1.7.3 or later
- Google Chrome 23

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 up to version 4.0/4.1/5.0

Microsoft Hyper-V 2008 R2

Xen requirements

Xen Express, Standard, Enterprise or Platinum versions up to 5.5 (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

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Managed appliance support

KVM over IP appliances

- Avocent MergePoint Unity™ KVM over IP and serial console switch
- Avocent® Universal Management Gateway 4000/6000 appliance
- Avocent DS1800 digital switches
- Avocent 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 Avocent DSR switch remote operations software

Third-party KVM over IP appliances

- Dell 1082DS, 2161DS2, 2162DS, 4161DS 4322DS and 8321DS
- HP G2 Switches: AF620A, AF621A and AF622A
- IBM GCM2, GCM4, GCM16, GCM32, LCM16, LCM8
- Blackbox: KV2116A and KV4116A
- Fujitsu: s2-0411, s3-1641, s4-0812, 1622, and 3242
- Fujitsu Components Limited: FW-D1008NP, FW-D2016NP, FW-D4016NP, FW-D2032NP, FW-S1008SR, FW-S1016SR, FW-S1032SR, FW-S1048SR

Console management appliances

- Avocent® ACS advanced console servers ACS 5000 and ACS 6000 appliances
- Avocent® Universal Management Gateway 2000/4000/6000 appliances
- All Avocent CCM console management appliances
- CPS810 and 1610 serial over IP network appliances

Power devices

- Power devices are supported on Avocent ACS, Avocent CPS, Avocent CCM appliances and on all Avocent DSR switch and Avocent MergePoint Unity switch 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**
- *Avocent CPS and Avocent 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 Avocent ACS advanced console server and the DSR switch and MergePoint Unity switch

Service processor managers

- Avocent MergePoint™ 52xx service processor manager
- Avocent MergePoint 53xx service processor manager
- Avocent Universal Management Gateway 2000/4000/6000 appliances
- Generic Appliances

Data center devices such as UPS, HVAC and environmental monitoring devices may be managed with the Avocent DSView™ 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 Avocent DSView™ software, provided the modems are supported on the Avocent DSView software 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
- The Avocent DSView 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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