

Cyclades OnBoard

Service Processor Manager

Challenge

Today's next-generation servers contain a service processor – a hardware and software platform separate from the main CPU and the server's operating system, located on the server motherboard, PCI card or blade server chassis. Service processors enable remote access to power control, sensor readings and, in some cases, server configuration, monitoring and remote keyboard and mouse control even when a server is down. Service processors have been widely deployed in enterprises of all sizes. However, this technology is often underutilized, as many enterprises are unaware of the potential power of service processors. Some are simply encumbered by compatibility issues caused by numerous proprietary and open source technologies, while others are hampered by security concerns.

Avocent Solution

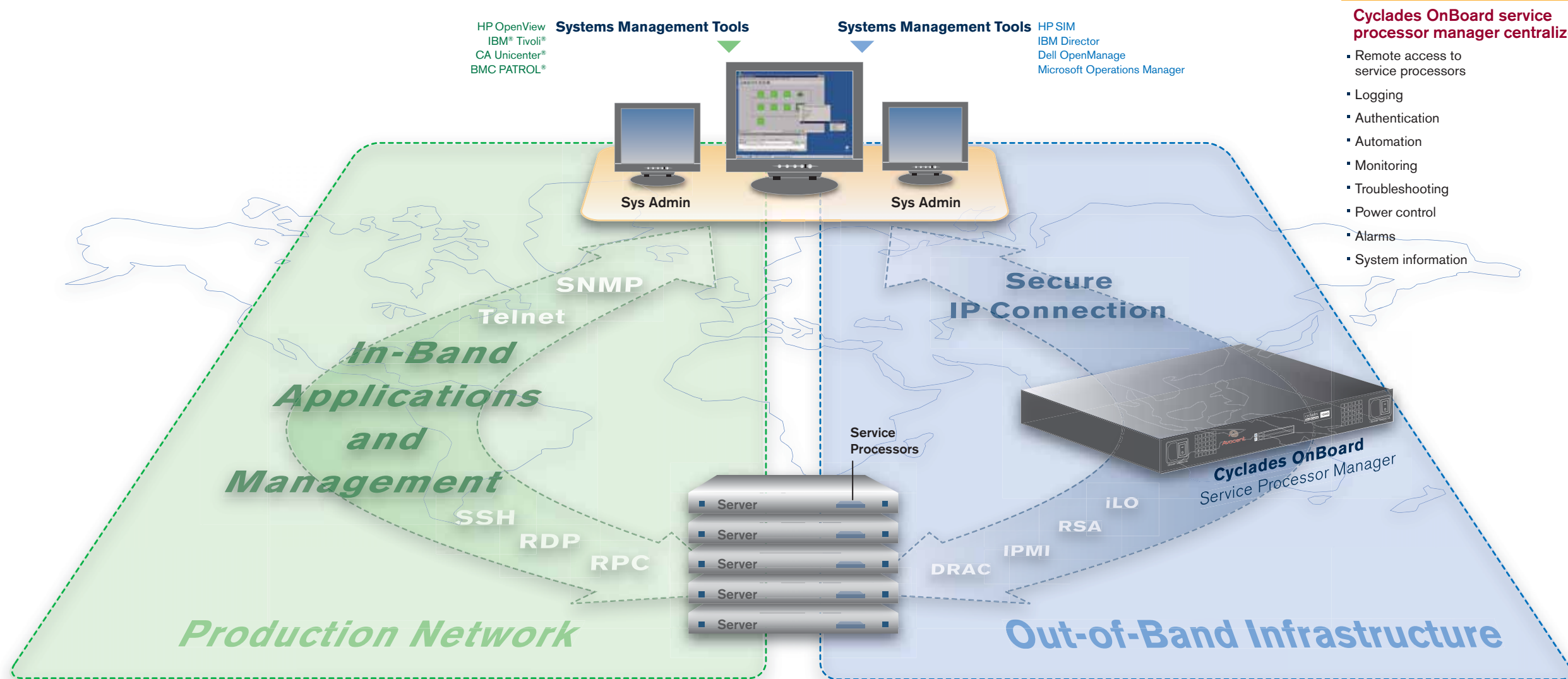
Remote management of servers and other IT assets is critical in today's increasingly complex and geographically dispersed data centers. Avocent offers a complete out-of-band management solution that integrates Cyclades® OnBoard service processor manager into a comprehensive, remote management system with enterprise-class security and a single, consolidated user interface. Other out-of-band management tools by Avocent include Cyclades ACS advanced console servers, DSR® switch appliances and Cyclades PM intelligent power distribution units (IPDUs), all controlled by DSView® 3 management software.

Reduce the Cost to Deploy, Monitor and Restore Servers

Out-of-band management products by Avocent provide secure alternate paths into the production infrastructure so that disconnected IT assets can be reconnected and subsequently returned to normal operation. Service processor management reduces operational costs by routing service processor traffic through the less expensive out-of-band network, eliminating the use of switch ports on the production network. Provisioning costs are further reduced by consolidating service processor Ethernet traffic through one external IP address.

Cyclades OnBoard Service Processor Manager

Cyclades OnBoard service processor manager consolidates IP connections, user access and server health information while simplifying out-of-band management of next-generation servers through a single user interface. Cyclades OnBoard appliance delivers Secure Rack Management™ (SRM™ - patent pending) by isolating and protecting the connected service processors from the production network to provide secure, efficient rack-level management with seamless integration into the out-of-band infrastructure.



Cyclades OnBoard service processor manager centralizes:

- Remote access to service processors
- Logging
- Authentication
- Automation
- Monitoring
- Troubleshooting
- Power control
- Alarms
- System information

Groundbreaking innovation

for service processor management.

Cyclades OnBoard Service Processor Manager Features

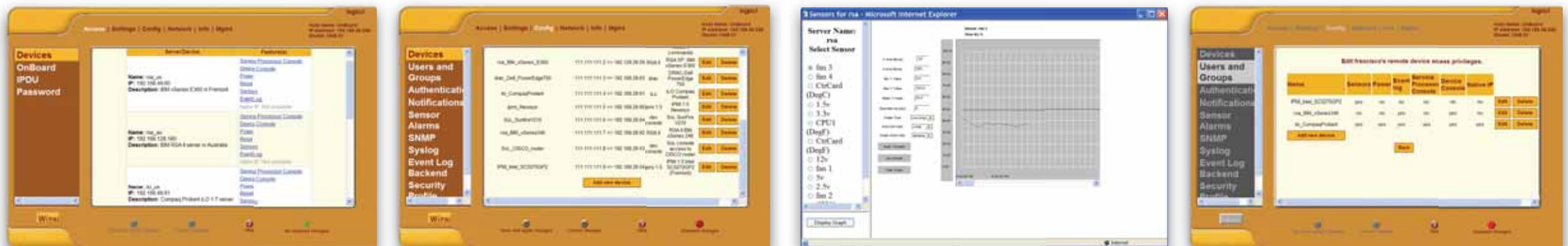
Multiple Server/Protocol Support

- HP iLO, IPMI 1.5, Dell DRAC, IBM® RSA and others
- Serial over LAN (SoL) for Ethernet-based consoles
- Custom profiles for proprietary protocols
- Support for vendor-specific management programs, e.g., HP SIM, IBM Director, and Dell OpenManage™
- Expect scripts for automated processes across servers



Comprehensive Management

- Native service processor interface or Cyclades OnBoard Web interface to power cycle, access consoles, monitor and manage hardware, events and logs
- Local or remote data logging
- Event detection and notification
- SNMP proxy
- Port sharing
- Graphing and alarms for sensor information
- Simultaneous access to multiple service processors
- DHCP for dynamic IP address assignment



Enterprises can now streamline remote server management and reduce deployment costs with the industry's first service processor manager.