



Sun™ Management Center

Advanced Management for Enterprise Sun™ Servers and Solaris™ 10 OS

Highlights

- Supports hundreds of servers from centralized Web browser
- Manages advanced Solaris™ 10 features, including Solaris Container and DTrace
- Monitors all Sun™ servers from single console with Sun N1™ System Manager integration
- Provides in-depth diagnostics for system hardware, OS
- Provides photo-quality image of hardware components
- Suggests corrective actions using knowledge-based information
- Integrates with Sun Cluster to ensure management server availability
- Integrates with enterprise management solutions using standards-based protocol
- Java™ API enables clients to access server information



Now it's easier than ever to install and deploy Sun™ Management Center to manage the Sun servers in your data centers. In today's competitive environment, enterprise customers across all industries share common business requirements to reduce operating costs, improve service levels and efficiency. Sun Management Center enables IT operators to enhance system availability, increase performance, and simplify management of their Sun servers, Solaris™ OS, and Linux environments.

Using Sun Management Center, IT administrators can manage enterprise infrastructure from virtually anywhere on the Web. While providing the most comprehensive instrumentation and administrative knowledge for Sun environments, Sun Management Center also provides open interfaces to enable information sharing with other management platforms. The bottom line — customers can increase control of their servers and drive down the total cost of managing their data centers.

Improves service levels

- Comprehensive event and alarm management helps keep systems up and running at optimal levels
- High-availability failover increases application services uptime. Assures users that the infrastructure is managed with complete data integrity and minimal downtime
- Store and analyze critical system performance and configuration data for fault analysis, system sizing, and capacity planning
- Comprehensive online diagnostic testing identifies hardware faults before they can affect system availability and performance
- Secure management controls for dynamic reconfiguration and domain management
- Supports Dynamic Tracing (DTrace) to create custom programs for instrumenting system and providing immediate feedback
- Integrates with Sun N1 System Manager via add-on module, Volume System Monitoring, to increase management efficiency

Lowens operating costs

- Automates management of complex systems and repetitive tasks to save time and reduce human errors
- Provides predictive failure analysis to alert IT of potential problems before they occur
- Enterprise-class functionality optimizes management efficiency, such as group operations, command line interface (CLI) utilities, module configuration propagation, and management

Scalable across the enterprise

- Remotely manages hundreds of Sun servers from anywhere on the Web
- Supports advanced Solaris 10 features, such as Solaris Containers and DTrace
- Integrates with heterogeneous enterprise management frameworks to protect IT investment, including x86/x64

Developer environment enables customization

- Creates new modules for application and hardware device monitoring
- Client application programming interface (API) allows developers to leverage and integrate with Sun Management Center
- GUI-based module builder provides a powerful, easy-to-use interface to develop custom modules

Sun Management Center

- Installation wizard and deployment tools
- High-availability failover at the server layer
- System discovery and group operations
- System hardware and OS diagnostics
- Event monitoring and notification
- Physical views of server hardware components

Advanced systems monitoring

- Full kernel reader
- Solaris health monitoring
- File system monitoring
- Hardware diagnostic suite

Volume system monitoring

- Proxy monitors rack systems
- Periodically “walks” the rack
- Monitored attributes on console
- Configures alarms based on criteria

Solaris Container Manager

- Manages virtualization features
- Enables flexible allocation of compute power
- Monitoring, graphing, and alarming
- Security between containers
- Requires Solaris 10 OS

Systems Reliability Manager

- Crash dump analyzer
- Patch monitoring
- File watcher
- Script launcher
- DTrace support

Service Availability Manager

- Continuous Web service monitoring
- Synthetic transaction for response monitoring
- Remote agents

Performance Reporting Manager

- Graphic reporting on any data
- Performance and trend analysis
- Automated report generation

System requirements

Software layer disk space

Basic installation:

- Server layer: 800 MB
- Agent layer: 18 MB
- Console layer: 62 MB

Advanced system monitoring

Basic installation plus the following:

- Server layer: 3.3 MB
- Agent layer: 2.02 MB
- Console layer: 0.27 MB

Solaris Container Manager

- Server layer: 300 MB
- Agent layer: 20 MB
- Console layer: 0 MB

Service Availability Manager

Basic installation plus the following:

- Server layer: 1.6 MB
- Agent layer: 1 MB
- Console layer: 0.5 MB

System Reliability Manager

Basic installation plus the following:

- Server layer: 3 MB
- Agent layer: 1 MB
- Console layer: 0 MB

Performance Reporting Manager

Basic installation plus the following:

- Server layer: 5 to 24 GB
- Agent layer: 8 to 80 MB
- Console layer: 3 MB

Free software

Sun Management Center is part of the Solaris Enterprise System. You can download it from www.sun.com/software/solaris/get.jsp and use this sophisticated infrastructure software at no cost. And, once you need assurance and support, Sun offers licensing and support plans for purchase.

Hardware platforms

- SPARC® and x86 platform-based workstations and servers

Operating environments

Server layer:

- Solaris 8, 9, 10 OS

Agent layer:

- Solaris 7 to 10 OS
- Linux kernel 2.4, 2.6

Console layer:

- Solaris 7 to 10
- Linux kernel 2.4, 2.6
- Microsoft NT, 2000, Professional, XP

Relevant standards supported

Simple Network Management Protocol (SNMP) v1, SNMP v2usec, SNMP v2c, SNMP v3, Remote Method Invocation (RMI), HyperText Transfer Protocol (HTTP), and HTTP Secure (HTTPS).

For more information

To learn more about the Sun Management Center, please visit: www.sun.com/software/products/sunmanagementcenter/.