

VERITAS Volume Manager Software



Setting the standard for online disk storage management.

High Availability

Data redundancy (RAID 0, 1, 0+1, 1+0, 5).

Scalability/Performance

Dynamic multipathing (DMP) support.

Centralized Management

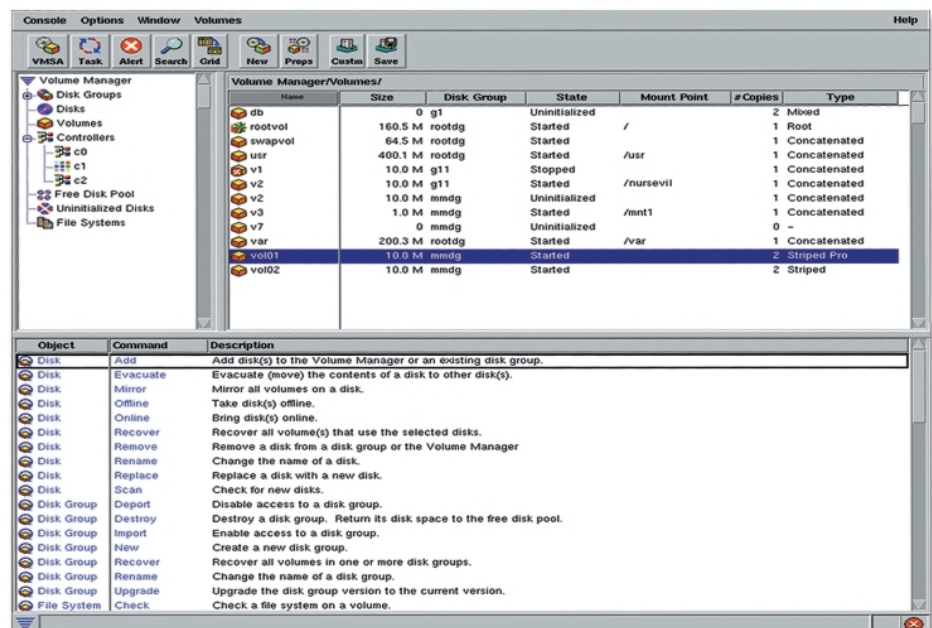
Intuitive Java™ technology-based platform-independent graphical user interface.

Enables easy movement of data between nodes in a SAN environment.

Intelligent Storage Provisioning

Automatically provisions storage based on defined templates.

VERITAS Volume Manager software is an advanced, system-level disk and storage array solution that alleviates downtime during system maintenance by enabling easy, online disk administration and configuration. The product also helps ensure data integrity and high availability by offering fast failure recovery and fault tolerant features. VERITAS Volume Manager software provides easy-to-use, online storage management for enterprise computing and emerging Storage Area Network (SAN) environments. Through the support of RAID redundancy techniques, VERITAS Volume Manager software helps protect against disk and hardware failures, while providing the flexibility to extend the capabilities of existing hardware. By providing a logical volume management layer, VERITAS Volume Manager overcomes the physical restriction imposed by hardware disk devices.



VERITAS Volume Manager Software Specifications

Purchase this product from the Sun™ Store, sun.com/store, or contact an authorized Sun reseller near you.

FEATURES

BENEFITS

High Availability

Online storage reconfiguration and database table space growth	Uninterrupted data access during planned system maintenance.
Mirroring of storage (RAID-1)	Higher availability with fault tolerance and faster data access.
Data redundancy (RAID-5, RAID-1+0, RAID-0+1)	Reduces storage costs for data redundancy or by maintaining access to data even when multiple disks fail.
Hot relocation of failed redundant storage	Automatic restoration of data redundancy when disks fail.
DRL (Dirty Region Logging)	Provides fast recovery after a system failure.

Scalability/Performance

Online performance monitoring and tuning tools	Tools to assist in identification and minimization of I/O bottlenecks.
Striping (RAID-0) and selective disk mirroring	Increases throughput and bandwidth while providing scalable performance and balancing of application data loads.
Dynamic Multipathing (DMP) support	Increases performance to multi-controller disk arrays by spreading I/O between the multiple paths into the array. Easier access to data and automatic path recovery across redundant Fibre Channel loops.
Spanning of multiple disks	Eliminates physical storage limitations.
Online relayout	Online tuning ability enables reconfiguration of storage layout.
Task monitor	Ability to throttle volume recovery speed and monitor VM I/O tasks.
Intelligent storage provisioning	Provides mirrored data snapshot enabling online backup of data.

Heterogeneous Support

Ability to move diskgroups between different versions of Volume Manager	Easier migration with reduced downtime.
Available on numerous Sun hardware platforms	Reduces training costs.
Supports multiple Sun disk arrays	Provides maximum flexibility by allowing businesses to select the storage hardware solution that best meets their needs.

Integration

Data Snapshot	Provides mirrored data snapshot which enables online backup of data via backup application such as VERITAS NetBackup.
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Centralized Management

Intuitive Java-based platform-independent graphical user interface	Displays logical view of storage devices, providing easy monitoring of disk I/O configuration and management that improves productivity.
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FEATURES

BENEFITS

Centralized Management *(continued)*

Device driver, file system, and database independence	Easy integration with disk subsystems and arrays including hardware RAID systems.
Free space pool management for automatic or directed allocations	Simplifies administration and provides flexible use of available hardware.
Logical diskgroups	Enables easy movement of data between nodes in a SAN environment.
Maximum volume size button	Automatically calculates the maximum free space available for building volumes on chosen disks.
Unique disk IDs	Eliminates disk misidentification, allowing disks to be added and removed and configured automatically and online.

Supported Platforms

Tier 1A* 1 or 2 CPUs Maximum	Netra ct 400, 800; t 100, 105, 120, 1100, 1120/1125; T1, 20 server SPARCstation 4, 5, 10, 20; SPARCserver 2, 4, 5, 10, 20 Sun Blade 100, 150, 1000, 1500, 2000, 2500; Sun Enterprise 1, 2, 30, 60, 150, 250, 220R; Ultra 5S, 10S; Sun Fire V100, V120, V210, V240, V250, 280R; Sun Ultra 1, 2, 5, 10, 30, 60
Tier 1B*	Sun Enterprise 420R, 450; Sun Fire V440, V480; Netra t 1400/1405, ft 1800; Sun Ultra 80
Tier 1C*	Sun Fire V880
Tier 2A**	No Sun Servers in this tier at this time
Tier 2B**	SPARCserver 1000; Sun Enterprise 3000, 3500, 4000, 4500, 5000, 5500; Sun Fire 3800, V1280
Tier 2C**	No Sun Servers in this tier at this time
Tier 3A***	Sun Fire 4800, 4810; SPARCcenter 2000
Tier 3B***	Sun Enterprise 6000 and 6500
Tier 3C***	Sun Fire 6800
Tier 4A****	No Sun Servers in this tier at this time
Tier 4B****	Sun Enterprise 10000, Sun Fire 12K
Tier 4C****	Sun Fire 15K

* Desktop and Workgroup Server Class

** Departmental Server Class

*** Enterprise Server Class

**** Enterprise 10K/15K Server Class

Operating System

Solaris™ Operating System versions 7, 8 and 9

Hardware Requirements

16 MB of memory (recommended); 86 MB of disk storage

For a complete listing of compatibility information, please go to: www.support.veritas.com/

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