EMC VisualSRM™ Storage Resource Management Suite

Increase utilization, improve availability, and automate file management processes for your multi-vendor mid-tier environment

The Big Picture

- Visually display how resources are being used, and better manage those resources

- Track system and individual storage consumption to ensure capacity is available when and where it's needed

- Reduce or eliminate server outages and application downtime due to out-of-control disk space consumption

- Reclaim wasted capacity, identify aged and out-of-compliance files to save money and lower your total cost of ownership (TCO)

- Shorten backup windows so more work can be done in less time

- Meet business requirements more quickly and easily by implementing automated intelligence policies

- Increase storage utilization, further reducing storage TCO

Reports, trends, and automates storage policies; provides live analysis of usage down to the file level

EMC VisualSRM™ is data center-class software specifically architected to provide centralized storage resource management for mid-tier storage environments. It supports a wide range of storage platforms (DAS, NAS, and SAN), server platforms (Windows 2000/2003 and Windows NT, Solaris, AIX, HP-UX, Linux, and NetWare), and data center applications (MS Exchange, Oracle databases, Sybase databases, and SQL Server databases). VisualSRM gives administrators a powerful solution to efficiently manage their storage resources.

EMC VisualSRM integrates with other leading storage management applications from backup and framework vendors such as IBM, VERITAS, HP, CA, and BMC. By simplifying and automating storage management for mid-tier environments, VisualSRM allows administrators to take full advantage of their storage infrastructures through the most intuitive and easy-to-use management application available today.
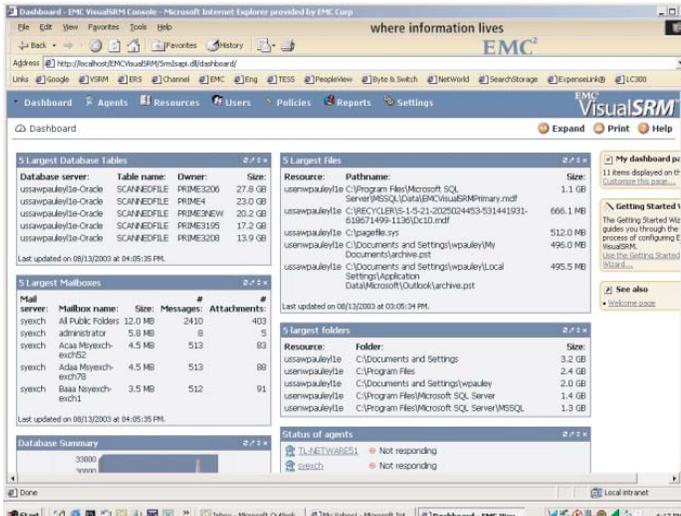
VisualSRM enables automated storage management

EMC VisualSRM helps companies move from passive storage management processes to automated storage management, enabling users to understand the usage patterns, and configure and proactively control the use of their storage resources according to business requirements. Administrators can set thresholds on criteria and events such as capacity levels, age of files, or time since a file has been accessed and set policies that define actions to be taken when an event occurs.

Achieve full functionality and value in minutes

VisualSRM can be installed in minutes, providing value within an hour. It installs by means of a series of simple intuitive implementation and setup wizards. VisualSRM's feature set includes:

VisualSRM can manage your entire storage environment form a single console and intuitive user interface.

Intuitive User Interface: VisualSRM provides an easy-to-use, customizable Web-based graphical user interface. Its calendar function displays scheduled policies, and its event log records all activities across managed resources. The VisualSRM User Interface utilizes wizards for policy creation, provides drill-down reporting capabilities, and supplies intuitive views of storage systems, applications, and their configurations.

Openness: VisualSRM is storage-agnostic, supporting heterogeneous platforms providing file-level reporting on both UNIX and Windows platforms for SAN, NAS, and DAS. Platforms supported include Windows 2000/2003, Windows NT, Novell, HP-UX, Solaris, Linus, and NetWare.

Broad Application Support: To effectively manage storage as a business asset, companies must be able to match storage resources with application demands. Application-centric storage management helps ensure uptime where it counts by allowing IT managers to pair mission-critical users and applications with the most cost-effective, appropriate storage resources. VisualSRM enables this approach to storage management by interfacing directly with data center applications like Microsoft Exchange and SQL Server, Sybase, and Oracle databases.

File-Level Policies: VisualSRM enables IT administrators to set and enforce storage thresholds at such granular levels as volume, partition, share, directory, and sub-directory. When a threshold is exceeded, VisualSRM can take an action to move, delete, compress, or archive files to free up space. VisualSRM helps companies categorize data and define category-based storage management policies that speed ROI by matching data with the most appropriate and cost-effective storage media.

Policy-Based Management: VisualSRM helps IT administrators meet their policy goals by automating processes across storage, system, and application resources. This saves time while providing predictable and repeatable results. VisualSRM provides the ability to sequentially execute policies through Policy Task Lists (PTLs), allowing policies to work together toward completing a task.

Reporting: VisualSRM provides built-in reports that can be run interactively or as scheduled jobs, showing detail and summary-level information, including trending analysis for capacity planning, and chargeback capabilities. Custom reports are easy to add. Reports can be generated in all the common formats — PDF, XML, HTML, XLS, and RTF.

VisualSRM modules are tailored to your specific needs

VisualSRM Standard Edition: VisualSRM Standard Edition allows you to actively manage your storage with powerful visualization tools that allow for rapid identification of issues. It offers active, policy-based management of data storage resources for Intel-based platforms. It provides the ability to execute best practices for storage management with the use of active policies. VisualSRM Standard Edition includes both proactive and reactive management tools that allow customers to achieve the availability levels required for mission-critical environments. It contains comprehensive storage reports and the ability to charge back.

VisualSRM Standard Edition supports Microsoft Windows, MSCS clusters, Novell NetWare, and Linux platforms. It give IT administrators the ability to actively manage their SAN, NAS, and DAS environments.

VisualSRM Microsoft Exchange Edition: VisualSRM Microsoft Exchange Edition provides centralized monitoring, reporting, and browsing with drill-down capabilities for all Exchange applications monitored. This provides the system administrator with visibility external to Exchange by showing how much storage space the Exchange server has consumed and trending growth. In addition, VisualSRM Exchange Edition shows the internal usage and growth trends at the private and public store level and allows the administrator to view reports or drill down in the UI to the mailbox level.

The VisualSRM Microsoft Exchange Edition makes it easier to plan for growth of the Exchange server, manage growth of individual mailboxes with thresholds, and allows the administrator to quickly identify stale or unused mailboxes by drilling down to the mailbox level in the UI.

VisualSRM Database Server Edition: VisualSRM Database Server Edition supports Oracle9i – Release 2 (9.2-0.1.0), Microsoft SQL Server 2000, and Sybase 12.0 and 12.5 database applications. These database application modules provide centralized monitoring, browsing, and reporting for multiple databases. This enables system administrators to track database file and log sizes, utilization levels (allocated versus consumed) and auto-extend status. Tracking can be performed at the system and individual user-storage-consumption levels. Trending data can be captured to determine weekly growth rates by database instance.

Comprehensive database reports and the UI make it easy to

- See trends of database usage, table level growth, and manage log files
- Identify databases that may be idle yet consuming large amounts of storage
- Find databases that may soon exhaust the available space, helping to plan proactively for new storage to keep up with demand

Platform Support

EMC VisualSRM currently supports the following server and application platforms. Check with your EMC sales representative or authorized reseller for the most current list of supported platforms.

- Windows NT/2000/2003
- Sun Solaris
- HP-UX
- NetWare clients
- MSCS Clusters
- Red Hat Linux
- IBM AIX

Application support

- Oracle9i – Release 2 (9.2.0.1.0)
- Microsoft Exchange 5.5, 2000/2003
- Microsoft SQL Server 2000 SP3a
- Sybase 12.0, 12.5

LEGATO®
a division of EMC

Tel (650) 210.7000 • (888) 853.4286 | Fax (650) 210.7032 | www.legato.com