

# TOP REASONS TO CHOOSE STORAGE RESOURCE MANAGER (SRM)

# 10

Provides visibility across your data center

Dell Storage Resource Manager (SRM) monitoring and reporting software, increases visibility and control through multivendor capacity, performance and configuration analysis for traditional, virtual and software-defined storage environments. Armed with this information you can now meet SLAs while improving productivity and optimizing storage investments to reduce costs.

## 1 | Single Pane of Glass for Storage Resource Monitoring

SRM provides multi-vendor heterogeneous device support which reduces the need to rely on multiple element managers. With its scale-out architecture SRM can do multi-site management from single UI.

SRM delivers end-to-end topology maps (physical, logical masked, logical masked with replicas) enabling you to understand and visualize host to storage relationships and dependencies. With these insights, you can analyze performance and availability trends along the data path and how they may be impacting application service levels.

## 2 | Storage Capacity Planning

SRM provides you with global capacity dashboards for SAN, NAS, object and virtual storage saving hours/days of manual and error prone capacity reporting. SRM helps optimize your storage resources by providing automated reports that identify underutilized and orphaned storage, enabling you to reclaim it for other projects. Potential savings dashboard identifies opportunities to save by using efficiency technologies.

Capacity usage trends help you understand where and how capacity is used. Capacity forecasting reports help in identifying when more storage will be needed. Better visibility into capacity utilization allows storage teams to more efficiently manage and proactively plan for future storage purchases which translates into more efficient use of capital.

## 3 | Performance Trending and Troubleshooting

SRM automates the collection of performance data from a host, hypervisor, switch, virtual and physical storage perspective, enabling you to quickly isolate performance bottlenecks that may impact service levels. PowerPath and MPIO metrics further enhance performance troubleshooting.

Performance baseline trends help to identify any anomalies and take proactive action. Correlation of configuration and health events with performance trends helps in easy identification of root cause of performance issues. With SRM, your performance trends are readily available for days, weeks or months enabling in-depth analysis and reporting.

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## 4 | Application Chargeback

SRM maps storage to service levels based on array characteristics and policies or service level objectives. It collects and tracks the consumption of primary storage as well as local and remote copies to create true application chargeback reports by host, hypervisor and virtual machine. Armed with this information, storage teams can communicate the true value of storage services with automated chargeback reports to application owners and line of businesses.

## 5 | Workload Analysis

SRM provides capacity and performance distribution of workloads which helps storage admin to choose where to put a new workload, identify stressed components and plan for workload migration. Workload performance trends helps to move workloads to lower cost storage without violating SLAs.

## 6 | Storage Configuration Management

SRM monitors compliance to your design best practices and the Dell EMC Support Matrix to ensure your environment is properly configured to meet service level requirements. It tracks configuration changes enabling you to investigate changes that have been done over time to determine what may have caused an issue or compliance breach. SRM provides what-if analysis to detect potential compliance breaches due to configuration changes and thus helps in planning configuration changes.

## 7 | Data Protection Compliance

Replication Analysis helps to ensure compliance to replication policies for application data. Reports highlight replication and backup alerts, performance issues and exposures that can impact your ability to recover applications successfully. You can identify obsolete recovery points which can be reclaimed to free up valuable replication capacity.

## 8 | SLA Achievement Tracking

SRM tracks health, capacity and performance thresholds, configuration violations and generates alerts. All alerts for applications, hosts, arrays and switches are consolidated into a unified dashboard for ease of investigation and issue resolution. The alerts dashboard highlights areas that need immediate investigation by Storage Administrators to ensure service levels are maintained.

## 9 | Open Interfaces

SRM provides REST APIs which help customers to extract the data collected by SRM and integrate it with their Data Center tools for getting global view of their Data Center.

## 10 | Flexible and Customized Wizard-based Reporting

SRM provides a flexible reporting engine to create a wide variety of reports from the extremely simple to highly customized. Reports can be created and scheduled on a regular basis allowing them to easily be shared or emailed to key stakeholders such as application owners, lines of business or tenants. Multi-tenant capabilities allow stakeholders to access only their own reports within SRM.



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