



# Redcell™ Storage Commander

Redcell Storage Commander is single console management product for managing multi-vendor SAN infrastructure devices, including both Fibre channel and iSCSI devices. Redcell Storage Commander provides key functions such as automated deep discovery, inventory management, configuration, compliance auditing, health & performance monitoring management, remote access and control, patch provisioning, reporting.

## Key Benefits

### Reduced SW Expenses for Point Management Solutions

- Consolidated storage and network management reduces the need for element managers and associated SW licenses and reduces training expenses
- Allows configuration of all elements that comprise storage area networks (SANs)
- Full set of management tasks including VSANs and zoning configuration
- RAID group create modify and delete, LUN configuration, LUN masking and mapping and replication management

### Increased Storage and Interconnect Device Utilization

- Comprehensive visibility of storage devices and interconnections
- Preconfigured storage monitors include both capacity and performance monitoring

### Fast Problem Resolution

- Single “pane of glass” view into infrastructure allows for quick problem resolution without the use of multiple point tools. The connectivity data when synchronized with asset data in the CMDB creates a complete picture of your infrastructure that can be represented in highly customizable reports or via a topology view

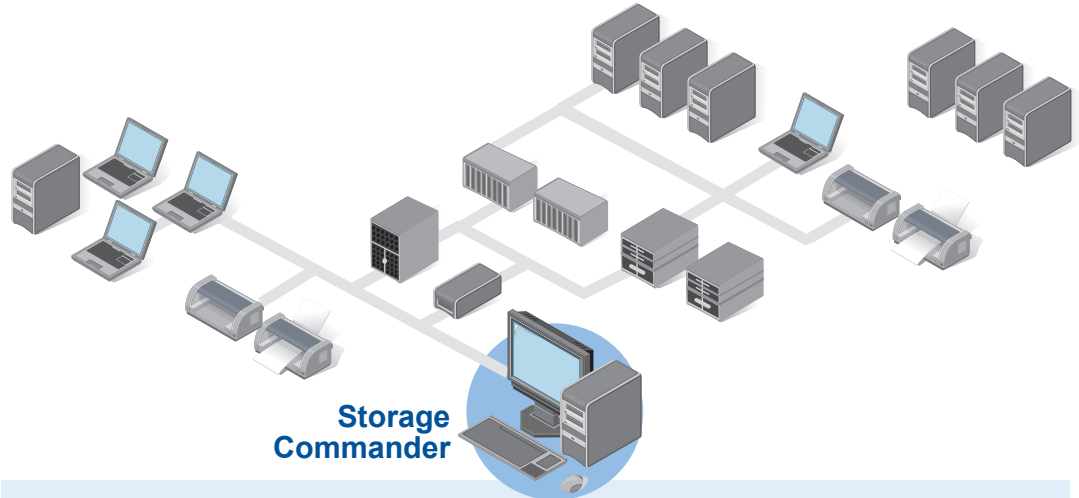
### Increased Operational Efficiency

- Reduce errors while performing daily tasks such as discovery, one-to-many operations, compliance and change management, health monitoring and problem resolution. Using the CMDB and common configuration in a vendor and device independent manner shortens learning period and reduces errors in day-to-day operations

A key problem that IT infrastructure managers are facing is explosive information growth and consequently increased storage needs. Most of the problems associated with SAN and storage management originate in views embedded in legacy IT operations: storage is considered as an isolated island and managed using vendor specific point solutions with limited or no integration with server and network management. Redcell Storage Commander offers one console and common integrated Configuration Management Database (CMDB) and a set of tools for full life cycle of storage infrastructure management.

## Where it Works

Discovery • Group Management • Topology • Reporting • Configuration • Backup/Restore • Compliance • Health • FW/OS Management



#### Server, Virtual server desktop:

- HBA ,Network card
- Physical disks
- Partitions
- File System
- Events, Correlation and Actions
- Service level monitors
- Capacity monitors
- Performance monitors

#### SAN, LAN, WAN:

- FC and Ethernet
- Configuration: Zoning, VSANs, VLAN, IPSEC, MPLS
- SAN Configuration backup and restore
- Network service provisioning

#### Storage Devices:

- FC and iSCSI
- Configuration : LUNs, Pools, Masking & Mapping
- Configuration Backup and Restore
- Security
- Storage Performance Monitors
- Automation Tasks
- iSCSI and FC Network Topology



## Technical Specifications

### Management Interface Support

- SNMPv1/v2/v3; Proprietary Device CLI, HTTP/S, XML, SSH, WMI/CIM, Web services

### Device Support Examples

- Dell/EMC AX Fibre Channel/iSCSI storage arrays
- Dell/EMC CX Series Fibre Channel/iSCSI storage arrays
- Dell MD Fibre Channel/iSCSI RAID arrays
- Cisco MDS SAN switches
- Brocade SAN Switches
- Emulex, Qlogic HBAs

### Operating Environments for Installation

- Microsoft Windows 2000, XP, 2003, Vista
- Redhat ES Linux v4/5
- SUSE Linux v9/10

### Database

- Embedded database

### Integration

- Web services, email gateway, and event forwarding for third party integration

### Ease of Use & Deployment

- In hours rather than days!

## Key Features

### Discovery and Repository

- Automated, multiprotocol with centralized credentials management

### Capacity Management

- Using active monitoring technology. Metrics can be combined across devices with extensive graphing and reporting capabilities
- Thresholds can create status change and trigger actions

### Performance Management

- Storage performance management includes all components: application, compute, interconnect and storage resource

### Event Management

- Capture, filter and forward of events and traps
- Event automation including actions and processing rules

### Configuration Management

- Heterogeneous, common look and feel across vendors and technologies, CIM-based internal model
- Management tasks such as RAID group create modify and delete, LUN configuration, LUN masking and mapping and replication management
- For SANs, a full set of management tasks including VSANs and zoning configuration

### Change Management

- Audit trails with compliance scan policies

### SAN Design

- FC, IP and iSCSI topology

### Provisioning

- Device-based and service-based configuration with scheduled deployment

### Workflow Automation

- Task-based configuration actions