

# Redcell™ Engineering Tools Advanced Network Assessment and Reporting

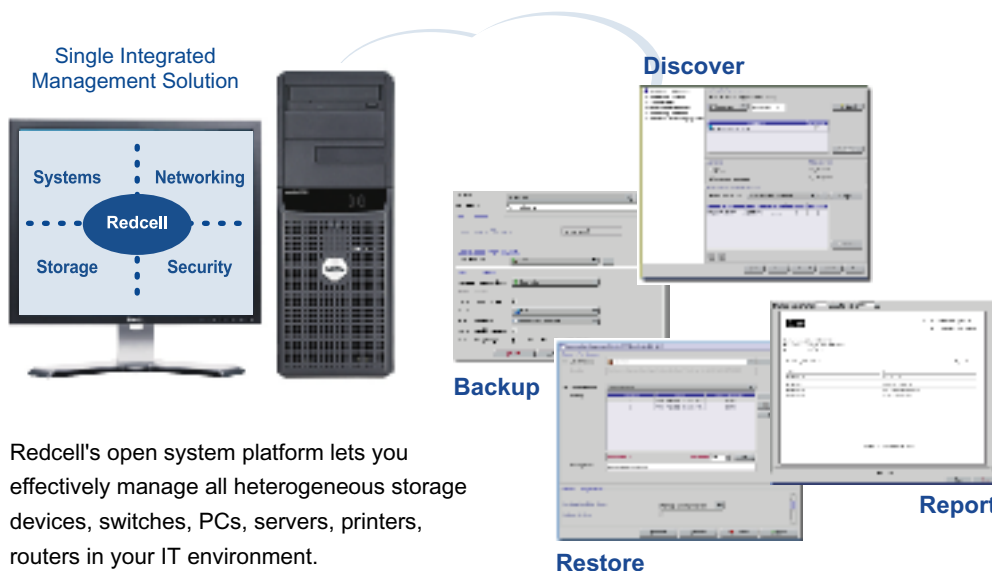
Datasheet: Discover, Access, Report

## Redcell Engineering Editions

Some industry reports estimate \$20 billion dollars in obsolete networking infrastructure products in the enterprise market, putting organizations at risk for security threats. Dorado Software's Redcell engineering tools provide precise visibility into heterogeneous network environments.

Dorado Software's Redcell™ Engineering Editions are off-the-shelf network assessment and management tools for immediate insight into disparate IT infrastructure assets. From a single console, administrators can quickly identify obsolete network architecture, lack of security, outdated operating systems and more, to improve the efficiency of IT resources, ensure system stability and lower risk of downtime.

### Always Know the Granular Inventory of Your Complete IT Environment



Redcell's open system platform lets you effectively manage all heterogeneous storage devices, switches, PCs, servers, printers, routers in your IT environment.

### Key Benefits

#### Auto Deep Discovery & Inventory

All H/W, S/W, physical & logical sub components

Quickly identify obsolete technologies, security threats, and operating systems that are out of compliance

#### Geographical, Logical & Physical Topology

Hierarchical visual mapping with alarm propagation

Quickly view the logical interconnections between network elements

Critical color notification provides easy process for viewing where network problems are occurring

#### Configuration File, OS and Patch Management

Backup, restoration, archiving, deployment and comparison

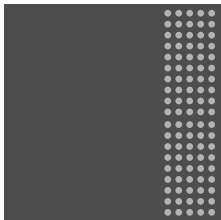
Save time by performing group updates of critical patches for OS, Firmware, BIOS and drivers across multiple systems

#### Comprehensive Reporting

Easily generate inventory reports for complete view of IT investments

Inventory: By Device, Sub-component, Service

Change/Compliance: Who, What, When, How



## Product Components

### Technical Specifications

#### Vendor Specific Line Card Support

- Fast Ethernet
- Gigabit Ethernet
- Controller Cards
- ATM
- Channelized OC-x
- Multilink Services
- SONET/SDH
- T1/E1
- T3/E3
- Tunnel

#### Operating Environments

- Windows 2000, XP, 2003
- Solaris 9

#### Technology platform

- J2EE
- Oware™ platform

#### Database

- Embedded database or
- Oracle

#### Interface Support

- SNMPv1/v2/v3; Proprietary
- Device CLI, XML, SSH
- SOAP/Web services,
- RMI/IIOP, TL1

#### Off-the-shelf drivers from Dorado Software

- Cisco
- 3Com
- Brocade
- Dell
- EMC
- Enterasys
- Extreme Networks
- Hewlett Packard
- Juniper Networks
- Netscreen
- Nortel
- Riverstone Networks
- TR069 / CWMP

#### Device & Link Discovery

Discovery can be performed using IP address ranges, hostname, IP subnet and CIDR addresses, or importing a file listing of IP addresses. Using the same parameters, users can exclude elements from the discovery process they do not want particular equipment included in the database. This reduces network traffic during the discovery process and eliminates the need to delete these unnecessary items from the inventory.

Users can discover using open management interfaces, like XML, SNMPv1/v2/v3, Telnet, SSH, HTTP, HTTPS, FTP, SFTP and SCP. Subinterfaces, physical device attributes on the chassis, line card and port level, subcomponents, supported management information bases (MIBs) and Ethernet link information will also be discovered, giving access to vital, in-depth network and connectivity data.

Discovered physical and logical entities are automatically populated into a network inventory database and organized into a flexible, heirarchical structure.

#### Equipment Group Management

Administrators can create Static, Dynamic, Nested and Mixed groups for applying one-to-many changes to disparate network devices and group reporting. One-to-many capabilities allow administrators to execute operations or configuration changes against many devices with a single operation. This greatly reduces the effort associated with executing time-consuming tasks and repetitive tasks.

#### Topology

Geographic and logical topology with alarm propagation provides representations of the network, including links. Users can quickly view the geography of large networks and drill down into each region with a simple click down operation, in addition to view the logical interconnections between network elements. The visual color coded indicators provide quick and easy process for viewing where network problems are occurring.

#### Reporting

Define, create, populate and post meaningful reports that present the data most appropriate for decision-making. Report templates can be defined, created and stored for on-going report generation with multiple datasets. This gives the ability for many users to be able to run reports on pre-defined templates in order to maintain consistency of presentation. All reports can be scheduled for future and/or on-going execution. Report output formats include .html, .pdf, or .csv.

#### Configuration Backup/Restore

Configuration files can be backed up and restored to the network devices. Administrators can backup configuration files on a pre-defined schedule and restore configuration files when needed. Two configuration files can be compared and changes, deletions and additions between the two configs files will be highlighted. This provides a quick and simple process to compare two configs files that aids troubleshooting and forensic investigations.

#### Proactive Configuration File Scanning

Detect configuration changes throughout the network through event-based change monitoring and proactive scanning. Event-based detection may originate from SNMP trap processing and/or Syslog monitoring. Users can define a compliant or last known certified state (including the ability to look for very specific parameters and attributes such as access control/firewall entries, routing parameters, etc.) and proactively scans the selected device groups for non-compliance.

#### Firmware/OS Management

Software version control helps reduce time and effort associated with keeping device software up-to-date. An OS database is designed to store multiple operating systems; allows the user to quickly and easily push operating systems to push operating systems to multiple network elements. Auto-update features poll for new versions of software and can be automatically added.

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SOFTWARE

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