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STEELCENTRAL NETCOLLECTOR

UNIFIED REAL-TIME NETWORK INTELLIGENCE

BUSINESS CHALLENGE

Keeping Up with the Network

» Expensive and slow to manually collect and document the infrastructure in a multi-vendor environment

» Hard to keep up-to-date with constant network changes

Managing Complex Networks

» Understanding the relationships between infrastructure elements

» Inadequate visibility into logical and virtual overlays

Using Point Solutions

» Disjointed, vendor-specific methods lead to knowledge gaps

» Lack of integrated reporting leads to inefficient manual reports

THE RIVERBED SOLUTION

The speed and reliability of the interaction between end users and an application requires a complete view of the applications from an architecture that looks across all critical parts of the application delivery chain. Understanding the network infrastructure from applications perspective requires a network architecture that provides the performance and availability of the underlying IT infrastructure and network contributing to the performance of the application.

Riverbed® SteelCentral™ NetCollector acts as the central topology, traffic, configuration data repository and event integration engine for Riverbed's SteelCentral Network Planning & Configuration Management (NPCM) suite.

In addition to being a data repository, SteelCentral NetCollector is the mediator for the Riverbed SteelCentral solution suite providing data at multiple timescales:

• Scheduled and on-demand
• Polling at regular intervals
• Event triggered
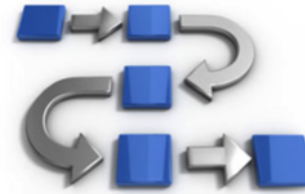• Workflow-initiated in real-time

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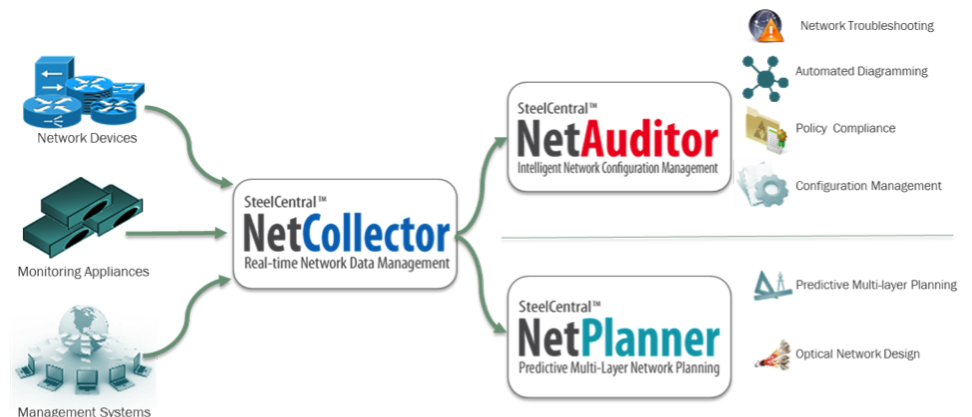
Framework to acquire comprehensive network data

SteelCentral™
NetCollector
Real-time Network Data Management

Automated deep network discovery & collection

Rich data model

KEY BENEFITS

Improved IT Efficiency

- Reduce time and effort for collecting and reconciling data from multiple sources
- Bridge "islands" of information, improving communications between network operations and planning teams

High Availability

- Faster troubleshooting workflows lead to improved MTTR with quicker resolution of unplanned network and application outages

Focus on Strategic Goals

- IT staff spends less time putting out fires and more time working on strategic goals like security and policy compliance

Mitigate Risk

- Run what-if scenarios to accurately plan for changes such as data growth, data center migration, technology migration, and new application

KEY FEATURES

Deep Network Analysis

- Leverages all available sources of data to support multiple use cases
- Comprehensive L2/L3 network discovery and topology creation
- Intelligent topology inference using operational (LLDP, CAM, ARP) and configuration data

Rich Data Model

- Rich configuration, management, and performance data
- Out-of-the-box support for routers, switches, firewalls, load balancers, and hosts
- Common model shared by different analysis solutions
- Incrementally and automatically refreshed with device updates

Comprehensive Framework

- Acquires comprehensive data from a variety of modules and devices
- Custom off-the-shelf adapters to obtain data from operational environment

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FEATURES IN-DEPTH

Deep Network Discovery and Collection

- Automated device discovery and vendor detection
- On-line configuration data collection
  - » Routers and switches - Cisco IOS, CatOS, NX-OS, Juniper JunOS, Alcatel-Lucent, Extreme, Huawei, Brocade, Foundry, etc.
  - » Firewalls - Cisco PIX ASA FWSM, Juniper NetScreen & SRX, CheckPoint, Nokia
  - » Load Balancers - F5, Cisco ACE
  - » WAN Accelerators - Riverbed SteelHead
- SNMP collection
  - » Device configuration/topology data
  - » Interface utilization and other performance metrics
  - » End system detection
- 3rd Party Integration
  - » HPNA, Alcatel SAM

Rich data model

- Rich configuration, management, and performance data
- Infer topology and relationships between physical, logical and virtual components
- Common model shared by different analysis solutions
- Incrementally and automatically refreshed with device updates
  - » Syslog updates

Comprehensive framework

- Comprehensive configuration and performance data framework that supports:
  - » Behavioral simulation
  - » Diagramming
  - » Configuration validation
  - » Configuration change management
  - » Network troubleshooting
  - » Network monitoring
- Detailed Reports to understand the network topology and configuration

RELATED PRODUCTS

SteelCentral NetAuditor

Automated network documentation, auditing, security, and policy compliance. NetAuditor helps ensure network integrity, security, and policy compliance by performing automated network-wide configuration audits, analyzing an up-to-date model of your network to diagnose device misconfigurations, policy violations, configuration inefficiencies, and security violations.

SteelCentral NetPlanner

Automated analysis and planning of multi-technology, multi-vendor networks. It performs "what if" analyses to manage risk and cost associated with network growth and change – accelerating application deployments and migration to new technologies, such as VoIP, VPNs, IPv6, and more. OPNET Network Planner's predictive design environment trends traffic growth for capacity planning, optimizes network designs to reduce the risk of downtime, and proposes QoS configurations to achieve desired network and application performance.

SteelCentral AppResponse Expert

View detailed insight into problems harming performance of web and non-web applications. AppResponse Expert joins together advanced application and transaction insight, end-user experience monitoring, and deep network intelligence into a single appliance to provide total visibility into application performance problems.

SteelCentral NetProfiler

NetProfiler provides an end-to-end network and infrastructure view that helps you manage performance through the lens of the application to easily troubleshoot and find the root cause of network and application issues before your end-users ever know there's a problem.

ABOUT RIVERBED

Riverbed Technology, Inc., at more than $1 billion in annual revenue, is the leader in Application Performance Infrastructure, delivering the most complete platform for location-independent computing. Location-independent computing turns location and distance into a competitive advantage by allowing IT to have the flexibility to host applications and data in the most optimal locations while ensuring applications perform as expected, data is always available when needed, and performance issues are detected and fixed before end users notice. Riverbed's 25,000+ customers include 97% of the *Fortune* 100 and 96% of the *Forbes* Global 100. Learn more at **www.riverbed.com**.