DATA SHEET

CISCO ROUTE MANAGER 2.3

PRODUCT OVERVIEW

The Cisco Route Manager is a Web-based software application that is designed to send alerts and produce detailed reports upon any route deletions, additions, or changes in selected routers. It supports both unicast and multicast routing tables. The routing tables can be checked at configurable intervals or on demand. The Cisco® Route Manager is a Simple Network Management Protocol (SNMP)-based software application that runs on Solaris or Linux. The user interface is a browser. The Cisco Route Manager scans each MIB in the routing tables for unicast and/or multicast routes and reports on any changes since the previous scan.

The number of routers that can be scanned is configurable as well as the time between scans. Prior to a scan, the Cisco Route Manager checks the router's CPU and if the percentage is greater than a configured threshold then it does not scan the route table and moves onto the next router. If there are changes in the routing table, an SNMP trap is sent. Users can then go to the reporting menu on the Cisco Route Manager and see exactly what changed. The reports will include a color-coded, line-by-line explanation of what changed.

When scheduled polling is enabled, the total number of routes that exist is kept for historical purposes, and reports can then be generated with regard to the size of the routing tables over a period of time.

Cisco Route Manager is ideal for users who want to keep track of the number of routes that exist and also receive alerts indicating when and why routes change. Users can also receive e-mail when routes change.

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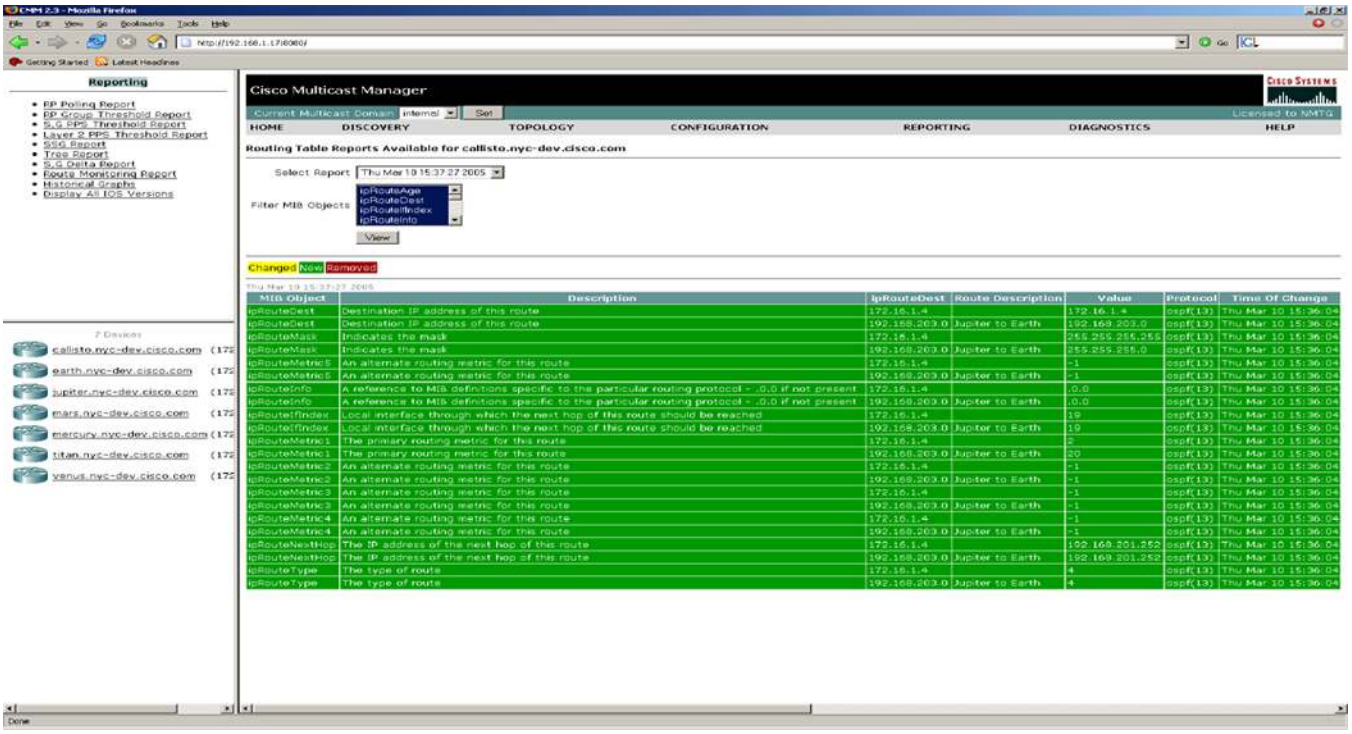
Figure 1. Cisco Route Manager Report



APPLICATIONS

Cisco Route Manager is ideal for any customers looking to monitor the changes in their routing tables or needing to verify the contents of these tables before or after some configuration or network changes. It can be run at scheduled intervals or on demand when some changes have occurred and route-table verification is need. Cisco Route Manager works with any Cisco router running Cisco IOS® Software and it requires SNMP read access to the routers.

Customers who are trying to determine the number of routes that should exist in particular routers can obtain historical reports from the Cisco Route Manager.

KEY FEATURES AND BENEFITS

Cisco Route Manager delivers a comprehensive reporting tool that allows users an in-depth look into their routers and routing tables. The Cisco Route Manager offers the following capabilities:

- Report on any new, changed, or deleted unicast routes
- Report on any new, changed, or deleted multicast routes
- Provide historical reports regarding the number of unicast and multicast routes existing over a period of time (Figure 2)
- Can run at scheduled intervals or on demand
- Can customize the reports to display only the required information

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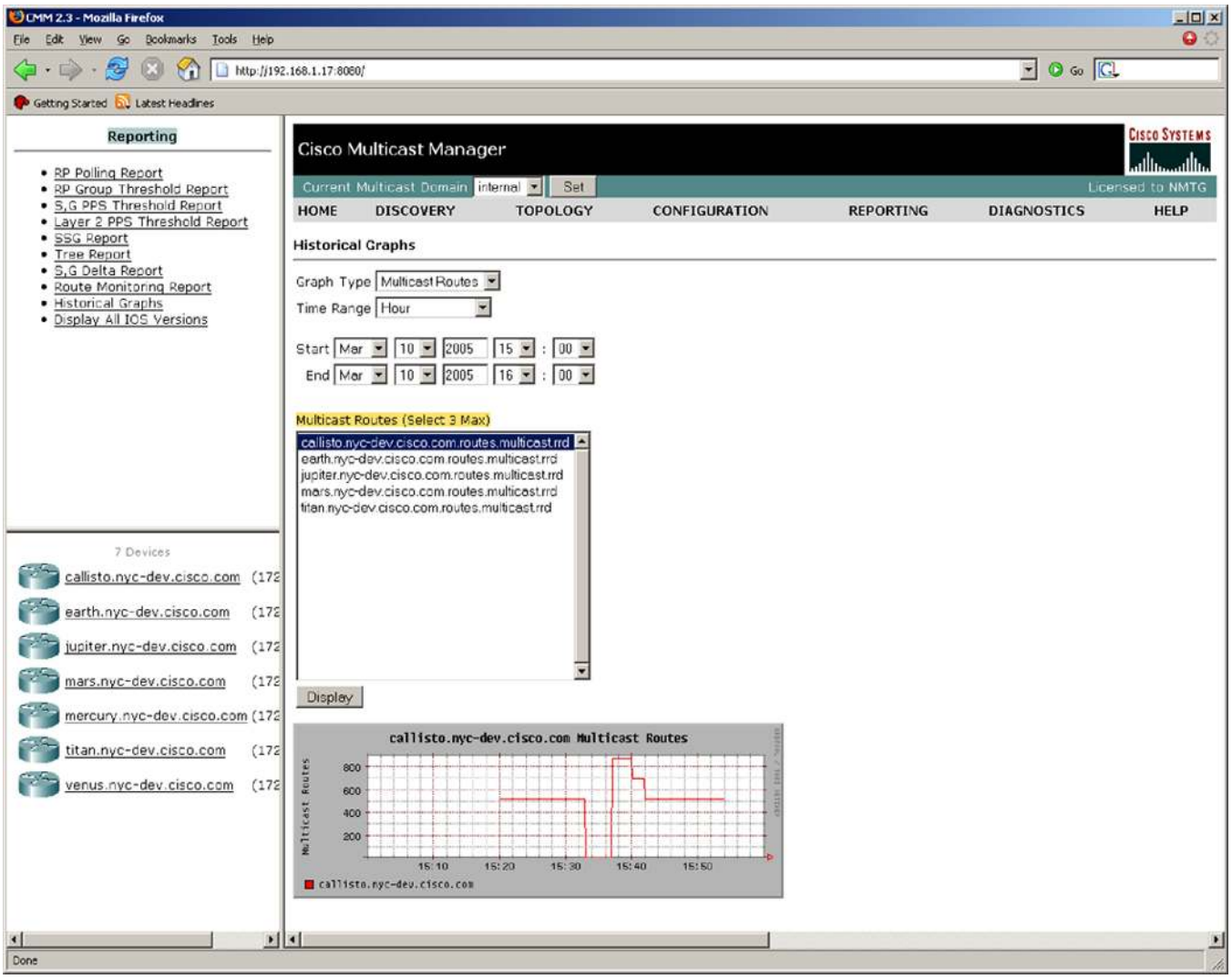
Figure 2. Generating Historical Graphs Using the Cisco Route Manager



PRODUCT ARCHITECTURE

Cisco Route Manager is a software solution that runs on Solaris 8 or 9, or Red Hat Enterprise Linux. The Web-based user interface supports most common browsers and requires no additional software.

SUMMARY

Cisco Route Manager can alert users of routing-table changes to any routers in the network. It can send alerts and produce detailed reports on routes that have been added, changed, or deleted and also sends an SNMP trap. It can be run at scheduled times but can also be run only when needed, such as before or after any network changes or updates. Tables 1 and 2 list the product specifications and system requirements for the Cisco Route Manager 2.3.

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PRODUCT SPECIFICATIONS

Table 1. Product Specifications

Product Compatibility	Cisco IOS routers
Software Compatibility	Cisco IOS Software
Protocols	SNMP, IP
MIBS	IP routing table and multicast routing table

SYSTEM REQUIREMENTS

Table 2. System Requirements

Disk Space	300 MB
Hardware	Intel Pentium III 1GHz
Memory	1 GB RAM
Software	Solaris 8/9, Red Hat Enterprise Linux

ORDERING INFORMATION

To place an order, visit the Cisco Ordering Home Page. Table 3 lists the ordering information for the Cisco Route Manager 2.3.

Table 3. Ordering Information

Product Name	Part Number
CRM-2.3-LIN	Cisco Route Manager 2.3 for Linux
CRM-2.3-SOL	Cisco Route Manager 2.3 for Solaris

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FOR MORE INFORMATION

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