

## How Cisco IT Uses Analysis Module to Gather Information on Host, Network, and Application Traffic

Cisco Network Analysis Module provides full application layer visibility and proactive, real-time monitoring capabilities.

### BUSINESS BENEFITS

- Full application layer visibility
- Remote monitoring
- Predict and prevent response delays
- Validate QoS policies
- Lower network total cost of ownership

“With 160 sales offices, we needed something that would do the analysis remotely.”

– Wilson Ng, Cisco Network Design and Engineering Group

**Large-scale enterprise networks bring several benefits to the enterprises they support, but they also create significant challenges for the teams that administer them—and Cisco is no exception.** Communications problems between two different hosts, including network traffic problems or application malfunctions, are difficult to identify unless administrators can watch packet traffic between the two identified hosts as it moves across a particular network segment.

**But trying to monitor network segments while looking at traffic or application performance is difficult.** In the past Cisco administrators used Remote Monitoring (RMON)-based packet capture analysis software. Although that worked, it also created logistical problems,

because it required installing a PC at the site of the problem traffic, which may be a building, a city, or a continent away.

**The Cisco network analysis module (NAM) was the answer.** The NAM is an integrated traffic monitoring service module that occupies a single slot in the chassis of the Cisco Catalyst® 6500 Series Switch. It gives Cisco network administrators full application layer visibility, providing this information to the network engineer using a browser from any point on the network.

**After it is installed, the NAM enables both real-time and historical application monitoring,** including data and voice. With proactive monitoring capabilities, it is easy to capture and decode packets, analyze trends, isolate network problems, and find application response delays before they occur.

**Using NAM, Cisco administrators have more visibility into the backplane, providing information that isn't normally available.** That additional information allows Cisco to catch potential problems before they occur.

**Beyond the data centers, IT plans** to install NAMs in its Internet environments and core backbone. Because the NAM was designed to work in both Cisco Catalyst 6500 switches and Cisco 7600 routers, it performs the same functions in those environments, as well.

The best way to prevent network response delays is to find problems before they occur.

**Case Study:** [http://www.cisco.com/web/about/ciscoitatwork/case\\_studies/network\\_management\\_dl1.html](http://www.cisco.com/web/about/ciscoitatwork/case_studies/network_management_dl1.html)

## FOR MORE INFORMATION

To read the entire case study or for additional Cisco IT case studies on a variety of business solutions, visit Cisco on Cisco: Inside Cisco IT [www.cisco.com/go/ciscoit](http://www.cisco.com/go/ciscoit)

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**Americas Headquarters**  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 527-0883

**Asia Pacific Headquarters**  
Cisco Systems, Inc.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
[www.cisco.com](http://www.cisco.com)  
Tel: +65 6317 7777  
Fax: +65 6317 7799

**Europe Headquarters**  
Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
[www-europe.cisco.com](http://www-europe.cisco.com)  
Tel: +31 0 800 020 0791  
Fax: +31 0 20 357 1100

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