

## Help Ensure Consistent and Efficient Delivery of Applications and Services

Network administrators need multifaceted visibility into the network to help ensure consistent and cost-effective delivery of service to end users. Cisco Network Analysis Module (NAM) delivers integrated traffic and performance analysis capabilities that empower network administrators to optimize network resources, troubleshoot performance issues, and deliver a consistent end-user experience. Cisco NAM portfolio includes cost-effective form-factor choices and offers deployment flexibility to meet your needs for traffic and performance visibility across the network. It supports Cisco Prime™ NAM Software 5 that implements an interactive graphical user interface (GUI) with prepackaged dashboards to give you an immediate view of network performance and workflows to streamline your troubleshooting and optimization decisions.

With Cisco Prime NAM Software, you can:

- Characterize application performance accurately and consistently across the network
- Accelerate problem resolution with prepackaged interactive reports and one-click packet captures (Figure 1)
- Confront unanticipated performance issues with historical data analysis
- Improve service delivery with effective use of control and optimization mechanisms such as Differentiated Services (DiffServ) and Cisco Wide Area Application Services (WAAS)
- Extend operational visibility into the virtual machine (VM) network consisting of Cisco Nexus® 1000V deployments
- Assess the impact on application and network performance due to changes such as server consolidation, VM migration, WAN optimization, and voice-over-IP (VoIP) rollout

**Figure 1.** Interactive Traffic Summary Report



### Feature Highlights

The key features of Cisco Prime NAM Software 5 include:

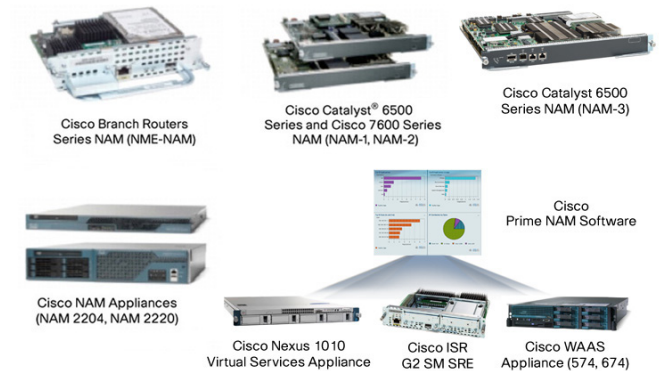
- Interactive reports with advanced filters and contextual navigation
- Site-based monitoring
- Application performance intelligence
- Cisco Performance Agent (PA) reporting
- Flow- and packet-based traffic monitoring
- Historical analysis with embedded performance database
- Web-based packet capture, decode, and error scan
- REST/XML-based API

### Business Benefits

Network administrators can benefit from Cisco NAM in many ways:

- Improve operational efficiency with faster problem resolution and greater productivity
- Enhance service levels with consistent application performance visibility across the network
- Maximize the value of IT investment with optimized use of network resources
- Reduce total cost of ownership with choices of Cisco NAM form factors and increased deployment flexibility

**Figure 2.** Cisco NAM Product Portfolio



### Cisco NAM Product Family

Cisco NAM comes in varying cost and performance form factors (Figure 2), which include integrated software, services modules, and standalone appliances.

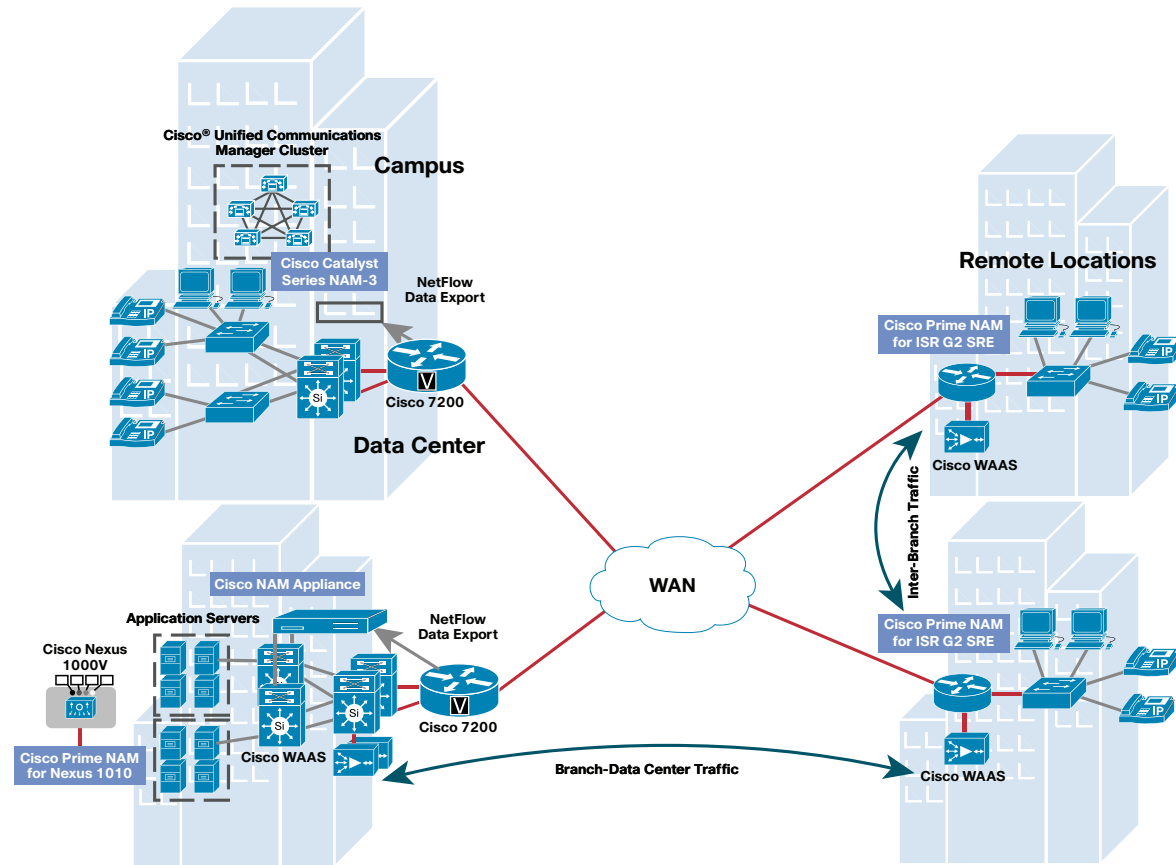
- **Cisco Prime Network Analysis Module (NAM) for ISR G2 SRE:** This software, integrated with Cisco ISR second-generation (G2) SM-SRE-700 series and SM-SRE-900 series platforms, offers multiservice visibility, traffic analysis, and performance assurance in Cisco borderless networks.
- **Cisco Branch Routers Series NAM (NME-NAM):** As an incumbent solution for monitoring remote branch locations, this service module integrates with both Cisco ISR G2 and first-generation Cisco ISRs to provide performance visibility and troubleshooting capabilities.
- **Cisco Catalyst® 6500 Series NAM (NAM-3)<sup>1</sup>:** This next-generation integrated service module helps enable high performance traffic monitoring, extensive packet captures, and accurate performance analytics at 10 Gigabit speeds. It helps simplify operational manageability of network resources in the enterprise campus, data center, and WAN.

- **Cisco Catalyst 6500 Series and Cisco 7600 Series NAM (NAM-1, NAM-2):** These traditional service modules offer integrated visibility into network traffic and applications to help quickly resolve performance issues and streamline service delivery across the network.
- **Cisco NAM Appliances (NAM 2204, NAM 2220):** An extension of the Cisco NAM portfolio, these appliances maximize deployment flexibility across the network.
- **Cisco Prime Network Analysis Module for Cisco Nexus 1010:** Integrated with the Cisco Nexus 1010 appliance, this virtual service blade offers operational insight into the VM network with Cisco Nexus 1000V switch deployments.
- **Cisco Prime Network Analysis Module for WAAS Virtual Blade (VB):** Using the existing Cisco Wide Area Application Services footprint, Cisco Prime NAM for WAAS VB offers an integrated solution for application performance visibility in WAN-optimized deployments. Cisco Prime NAM is available for the WAAS 574 and 674 Appliances when deployed in the data center.

producing accurate and reliable data collection and analytics. Integration within the switch or router also lowers the cost of administration. Cisco NAM is also available as standalone appliances, allowing maximum deployment flexibility across the network (Figure 3).

Cisco NAM preserves your investments in existing management assets, offering a northbound interface for integration with third-party and your homegrown management applications.

**Figure 3.** Integrated Network and Application Performance Visibility Across the Network



### For More Information

For more information about the Cisco NAM product family, visit <http://www.cisco.com/go/nam> or contact either your local account representative or the Cisco NAM product marketing group at [nam-info@cisco.com](mailto:nam-info@cisco.com).

### Why Cisco?

Cisco Prime NAM provides integrated network and application performance visibility consistently across the network. Taking advantage of the deeper knowledge of the network, Cisco NAM offers operational insight into platforms such as Cisco ISR G2, Catalyst 6500, Cisco WAAS, and Cisco Nexus 1000V. Cisco Prime NAM combines packet and flow collection, delivering granular application performance visibility correlated with network traffic behavior analysis.

Cisco NAM is available as an integrated service module or virtual service blade that is a part of the Cisco switch or router infrastructure. Cisco NAM's insertion into the switch/router backplane directly couples it with the data source,

<sup>1</sup> Expected availability around mid-2011. Supports Cisco Prime NAM Software version 5.0.1T.