

Cisco Application Performance Assurance Network Module 2.0

PB490064

Overview

Cisco is pleased to announce Cisco® Application Performance Assurance (APA) Network Module. Using application classification and control technology from the Cisco Service Control product family, Cisco Application Performance Assurance Network Module provides application identification for today's demanding enterprise networks.

Unlike controlled Systems Network Architecture (SNA) environments, IP-based environments lack the structure to make sure that applications behave appropriately. Mission-critical applications contend for available bandwidth with noncritical or unwanted applications, and many applications are subjected to network latency and jitter characteristics that impede their ability to function appropriately. With between 50 percent and 60 percent of enterprise bandwidth now being consumed by peer-to-peer (P2P) and Flash-based video traffic, network performance is significantly compromised. In specific environments, the problem can be even more pronounced. Up to 80 percent of network traffic in uncontrolled higher education environments can be P2P traffic, recreational video traffic, or traffic generated from gaming applications.

In such environments, the IT department requires a solution that is able to prioritize application traffic and control the behavior of the network traffic to make sure that the performance of each individual application reflects its importance to business operations. Cisco Application Performance Assurance Network Module is designed to provide that capability, in conjunction with a 2800 Series or 3800 Series Integrated Services Router (ISR), by jointly offering identification and control of applications on a per user basis.

Cisco Application Performance Assurance Network Module

Cisco Application Performance Assurance Network Module performs Layer 7 stateful deep packet inspection for network traffic on a per application, per user basis. Designed for branch office deployments, the solution is able to identify about 1000 applications, including enterprise resource planning (ERP) applications, voice over IP (VoIP), Web browsing, music downloads, distance learning applications, video streaming, and P2P traffic. It provides customers with incremental value over and above existing network-based application recognition (NBAR) technology already available in their routing and switching solutions and allows customers to:

- Identify and classify applications and protocols
- Identify network users and determine their application and network usage patterns (requires integration with existing authentication system)
- In conjunction with the router, jointly provide advanced traffic management and policing
- Select a variety of reports from the 100 available templates to represent existing network traffic

Solution Components

The Cisco Application Performance Assurance module solution consists of the hardware module (NME-APA-E2 or NME-APA-E3), a software license for either view/report capability or view/report/control capability and Application Performance Assurance Device Console (APADC). A short summary of each is provided below:

- Cisco Application Performance Assurance Network Module, which is responsible for traffic classification, collection of reporting data, and policy enforcement. Cisco APA Network Module is designed for insertion in a 2800 Series (NME-APA-E2) or 3800 Series (NME-APA-E3) ISR and is ordered with a software license that activates either view/report or view/report/control capability.
- Application Performance Assurance Device Console, which is responsible for device management, fault management, policy management, and report generation.

Orderability

Table 1 lists ordering information for Cisco APA Network Module.

Table 1. Ordering Information

Part Number	Name
NME-APA-E2	Cisco Application Performance Assurance Network Module (for 2800 Series ISR)
NME-APA-E3	Cisco Application Performance Assurance Network Module (for 3800 Series ISR)
APA-R3-VO	Cisco Application Performance Assurance Network Module View Only License (for both 2800 Series and 3800 Series ISR)
APA-E2-CC	Cisco Application Performance Assurance Network Module View and Control License (for 2800 Series ISR)
APA-E3-CC	Cisco Application Performance Assurance Network Module View and Control License (for 3800 Series ISR)

Service and Support

Using the Cisco Lifecycle Services approach, Cisco and its partners provide a broad portfolio of end-to-end services and support that can help increase your network's business value and return on investment. This approach defines the minimum set of activities needed, by technology and by network complexity, to help you successfully deploy and operate Cisco technologies and optimize their performance throughout the lifecycle of your network.

For More Information

For more information about Cisco Application Performance Assurance Network Module, please visit <http://www.cisco.com/go/apam> or contact your local account representative.



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Printed in USA

C25-490064-00 09/08