



PRODUCT BULLETIN NO. 2886

CISCO APPLICATION-ORIENTED NETWORKING—A NETWORK EMBEDDED INTELLIGENT MESSAGE ROUTING SYSTEM

Cisco Systems® announces its new **Application-Oriented Network (AON) technology**. Cisco Application Oriented Network technology (AON) is the foundation for a new class of network-embedded products and solutions that help converge intelligent networks with application infrastructure based on either service oriented or traditional architectures. Cisco AON technology allows application message-level intelligence into the network to better meet the underlying needs of applications for real-time visibility, security, event-based messaging, optimized delivery, and other core integration and deployment services.

Cisco AON natively understands the content and context of application messages, such as purchase orders or stock trades, and conducts operations on those messages in transit according to business policies. Cisco AON technology delivers this breakthrough level of application intelligence to extend the Cisco vision for a more intelligent network for application services technologies and offer an unsurpassed level of insight for real-time business decision making.

Cisco AON technology complements existing networking and application technologies by providing a set of enhanced visibility, security, messaging, and optimization services that help both IT and business users obtain a greater degree of awareness regarding information flowing within the network. These services help to:

- **Enable disparate applications** to communicate by routing application messages to the appropriate destination, in the format expected by that destination
- **Enforce consistent security policies** for application access and information exchange
- **Provide visibility of information flow**, including the monitoring and filtering of messages for both business and infrastructure purposes
- **Enhance application optimization** by providing application-level load balancing, offloading security and Extensible Markup Language (XML) operations, and offering caching and compression services at the application message level

Cisco AON provides this enhanced and adaptive level of application intelligence primarily by working at the message level rather than at the packet level. Typically, Cisco AON inspects the full message, including the content as well as all headers. Cisco AON also understands and enhances the delivery of popular application-level protocols such as HTTP, Java Messaging Service (JMS), and other standards.

Cisco AON is currently available in two products that integrate into Cisco switches and routers:

- Cisco Catalyst® 6500 Series AON module, which is primarily deployed in an enterprise core or in data centers
- Cisco 2600/2800/3700/3800 series AON module, which is primarily deployed at branch offices

In addition, the following tools are available to manage and configure Cisco AON:

- **Cisco AON Development Studio (ADS)**—Cisco ADS is used to create Policy Execution Plans, which represent a set of operations (“bladelets”) applied to application messages
- **Cisco AON Management Console (AMC)**—Cisco AMC provides centralized control for configuration, certificate management, and lifecycle management of a distributed Cisco AON network

Table 1 indicates which hardware and software are compatible with Cisco AON.

Table 1. Cisco AON Hardware and Software Compatibility

	Cisco Catalyst 6500 Series Chassis	Cisco 2600/2800/3700/3800 Series Routers
Hardware Models Supported	WS-C6503-E, WS-6506-E, WS-6509-E, WS-C6509, WS-C6506, WS-6503, WS-6513, WS-C6509-NEB-A	Cisco 2610XM, 2611XM, 2620XM, 2650XM, 2651XM, 2691XM, 2811, 2821, 2851, 3725, 3745, 3825, 3845
Cisco IOS® Software Supported	<ul style="list-style-type: none"> Cisco IOS Software Release 12.2(18)SXE1 for Supervisor Engine 720 (Native mode) Cisco Catalyst Operating System 8.4(2a) and Cisco IOS Release 12.1(23)E3 for Supervisor Engine 2, MSFC2 (Hybrid mode) 	Cisco IOS Release 12.3(14)T1
Cisco AON Software Supported	Cisco AON Software v1.0 for Cisco Catalyst 6500 Series	Cisco AON Software 1.0 for Cisco 2600/2800/3700/3800 series routers

Table 2. AON Supported Standards

Feature	Description
Transport Protocols	HTTP, HTTPS, JMS, Tibco EMS, Websphere MQ
Database	Oracle 9i (9.2), Sybase 12.5.1
Security	DES, 3DES, AES, RSAv1.5, SHA-1, PKCS#12, SSL3.0, TLS 1.0,
Management	SNMP v2, CLI
XML Processing	XML encryption, XML Digital Signatures, Schema Validation, XSLT 1.0, SOAP 1.1, 1.2, XPath 1.0

AVAILABILITY

Customers who want to purchase Cisco AON modules may place an order by calling a Cisco customer service representative starting June 21, 2005.

ORDERING INFORMATION FOR CUSTOMERS IN NORTH AMERICA AND EUROPE

Table 3. Ordering Information for Cisco AON Modules

Part Number	Description
Cisco Catalyst 6500 Series	
WS-SVC-AON-1-K9	Cisco Catalyst 6500 Series Application-Oriented Networking Module, embedded planning, design, and implementation (PDI) services
WS-SVC-AON-1-K9=	Cisco Catalyst 6500 Series Application-Oriented Networking Module, embedded PDI services (spare)
SC-SVC-AON-1.0-K9	Cisco AON Software v1.0 for Cisco Catalyst 6500 Series Application-Oriented Networking Module
Cisco 2600/2800/3700/3800 Series	
NM-AON-K9	Cisco 2600/2800/3700/3800 Series Application-Oriented Networking Module, embedded planning, design, and implementation (PDI) services
NM-AON-K9=	Cisco 2600/2800/3700/3800 Series Application-Oriented Networking Module, embedded PDI Services (spare)
SF-AON-1.0-K9	Cisco AON Software v1.0 for Cisco 2600/2800/3700/3800 Series AON Module
Product Part Numbers Common to All Cisco AON Form Factors	
AON-AMC-1.0	Cisco AON Management Console v1.0
AON-ADS-1.0	Cisco AON Development Studio v1.0

FOR MORE INFORMATION

For more information about Cisco AON modules, visit <http://www.cisco.com/go/aon> or contact your local Cisco account representative.



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