Cisco Application Networking Manager 1.2

PB440398

Product Overview

Cisco® Application Networking Manager (ANM) software helps enable centralized provisioning, operations, and basic monitoring of Cisco data center networking equipment and services. Version 1.2 of Cisco ANM focuses on providing provisioning capability for Cisco Application Control Engine (ACE) devices, including ACE modules and ACE 4710 appliances. It also supports operations management and monitoring for ACE devices as well as for Cisco Content Services Switch (CSS), Cisco Content Switching Module (CSM), and Cisco Content Switching Module with SSL (CSM-S).

Table 1 lists the new features of Cisco ANM 1.2.

Table 1.   New Features of Cisco Application Networking Manager 1.2

Feature	Description
Expanded ACE device support	Expanded ACE device support encompasses Cisco ACE modules ACE10-6500-K9 and ACE20-MOD-K9 installed in Cisco Catalyst® 6500 Series Switches and Cisco 7600 Routers. Multidevice support is also extended to include the ACE 4710 appliance.
	Specific support information is documented in the Supported Devices Table for the Cisco Application Networking Manager 1.2, available separately on Cisco.com.
CSS, CSM, and CSM-S operations support	Server managers can now monitor the configured and operational states of all assigned services and servers not only on ACE devices, but also across CSS, CSM, and CSM-S infrastructure.
	By taking advantage of the Cisco ANM secure delegation capabilities, server managers can perform their daily management tasks, such as taking one or more real servers in and out of service, with options for graceful shutdown or cleared connections and without needing to know the type of network device supporting their servers (ACE, CSS, CSM, or CSM-S), the network topology, or other network operations.
	Adding further capability, user-defined filters allow users to quickly segment their delegated view to the criteria that best fit their needs.
Enhanced granularity of role-based access control	Role-based access control (RBAC) is used to enforce access limits to only authorized users to network resources for virtual contexts of Cisco ACE devices, content networking and load balancing, and Secure Sockets Layer (SSL) services, as well as CSS, CSM, and CSM-S with their virtual and real servers.
	This helps enable user group access to individual application services in order to simplify administration. It removes unnecessary overhead between network administrators, network operations center (NOC) staff, systems operators, and server managers to increase productivity of all operational staff. It also allows administrative tasks to be securely delegated without granting full device access.
	In addition to expanding support for CSS, CSM, and CSM-S virtual and real servers, Cisco ANM 1.2 has enhanced its RBAC to facilitate more granularity in control and delegation of authority. Administrators can now define access control to 32 levels of tasks, nearly four times more granular than the prior release. Combined with the ability to create custom domains (areas of control) across all devices, this provides an unmatched capability of user authorization and delegation.
Inclusion of ACE device role-based access control configuration	In addition to the systemwide RBAC capability provided by ANM that spans all of its managed devices, each ACE device has a powerful capability to implement its own internal RBAC separately and independently of ANM. Cisco ANM 1.2 now includes the ability to configure roles and domains on all managed ACE devices through the ANM graphical user interface.
	The ACE device RBAC configuration is separate from ANM's own RBAC controls, which span multiple devices, and provides additional granularity especially useful in a multidevice perspective. By combining the systemwide ANM RBAC and ACE RBAC, customers can easily implement rigorous access control.

Device and service monitoring	In support of provisioning and operations tasks, ANM includes monitoring of device and service health, virtualized resource utilization, and event reporting.
	Cisco ANM 1.2 enhancements in monitoring include global polling settings and enhanced service and event views. Also included is the ability for operators to define threshold-crossing alerts for both device and service health and availability for all managed devices.
	The enhanced service views include system, traffic summary, resource usage, VIP service path, load-balancing statistics, and application acceleration views. These views are available on a per context basis as well as on the device group level and are supported as appropriate for ACE, CSS, CSM, and CSM-S devices.
	The events view is enhanced by parsing IP and port information from traffic-related events and provides the ability to sort based on this information. Driven by SNMP traps and syslogs, an events view is supported for ACE devices.
	In the event of either crossing or clearing of a defined threshold-crossing alert, ANM can be configured to generate notifications to external systems through SNMP traps, e-mail, or both.
Remote user authentication by Lightweight Directory Access Protocol (LDAP)/Active Directory	Now in addition to local, TACACS+ (ACS), and RADIUS user authentication, administrators can choose to utilize remote user authentication using LDAP or Active Directory through LDAP.

Availability

Cisco ANM 1.2 and associated minor release update kits will begin shipping on November 28, 2007. Customers can order these new products through normal Cisco sales channels as of November 4, 2007.

Ordering Information

Table 2 provides ordering information for Cisco Application Networking Manager.

Table 2.   Ordering Information for Cisco Application Networking Manager 1.2

Part Number	Description
ANM-SERVER-12-K9	ANM Server Software
ANM-AD-005	ANM License For 5 ACE Devices
ANM-AD-010	ANM License For 10 ACE Devices
ANM-AD-020	ANM License For 20 ACE Devices
ANM-AD-050	ANM License For 50 ACE Devices
ANM-AV-020	ANM License For 20 VC On One ACE Device
ANM-AV-050	ANM License For 50 VC On One ACE Device
ANM-AV-100	ANM License For 100 VC On One ACE Device
ANM-AV-250	ANM License For 250 VC On One ACE Device
ANM-CD-010	ANM License For 10 CSS, CSM, or CSM-S Devices
ANM-CD-040	ANM License For 40 CSS, CSM, or CSM-S Devices
ANM-AV-UP1=	Upgrade ANM License – AV-020 To AV-050
ANM-AV-UP2=	Upgrade ANM License – AV-050 To AV-100
ANM-AV-UP3=	Upgrade ANM License – AV-100 To AV-250
ANM-SERVER-12-H-K9	ANM HA Server Software
ANM-AD-005-H	ANM HA License For 5 ACE Devices
ANM-AD-010-H	ANM HA License For 10 ACE Devices
ANM-AD-020-H	ANM HA License For 20 ACE Devices
ANM-AD-050-H	ANM HA License For 50 ACE Devices
ANM-AV-020-H	ANM HA License For 20 VC On One ACE Device
ANM-AV-050-H	ANM HA License For 50 VC On One ACE Device
ANM-AV-100-H	ANM HA License For 100 VC On One ACE Device

ANM-AV-250-H	ANM HA License For 250 VC On One ACE Device
ANM-CD-010-H	ANM HA License For 10 CSS, CSM, or CSM-S Devices
ANM-CD-040-H	ANM HA License For 40 CSS, CSM, or CSM-S Devices
ANM-AV-UP1-H=	Upgrade ANM HA License – AV-020 To AV-050
ANM-AV-UP2-H=	Upgrade ANM HA License – AV-050 To AV-100
ANM-AV-UP3-H=	Upgrade ANM HA License – AV-100 To AV-250

For More Information

For more information about Cisco Application Networking Manager, visit
http://www.cisco.com/go/anm or contact your local account representative.

Marketing Contacts

Please direct inquiries for product information to ask-anm@cisco.com.

Printed in USA

C25-440398-00   11/07