Cisco Application Networking Manager 4.2 Now Available

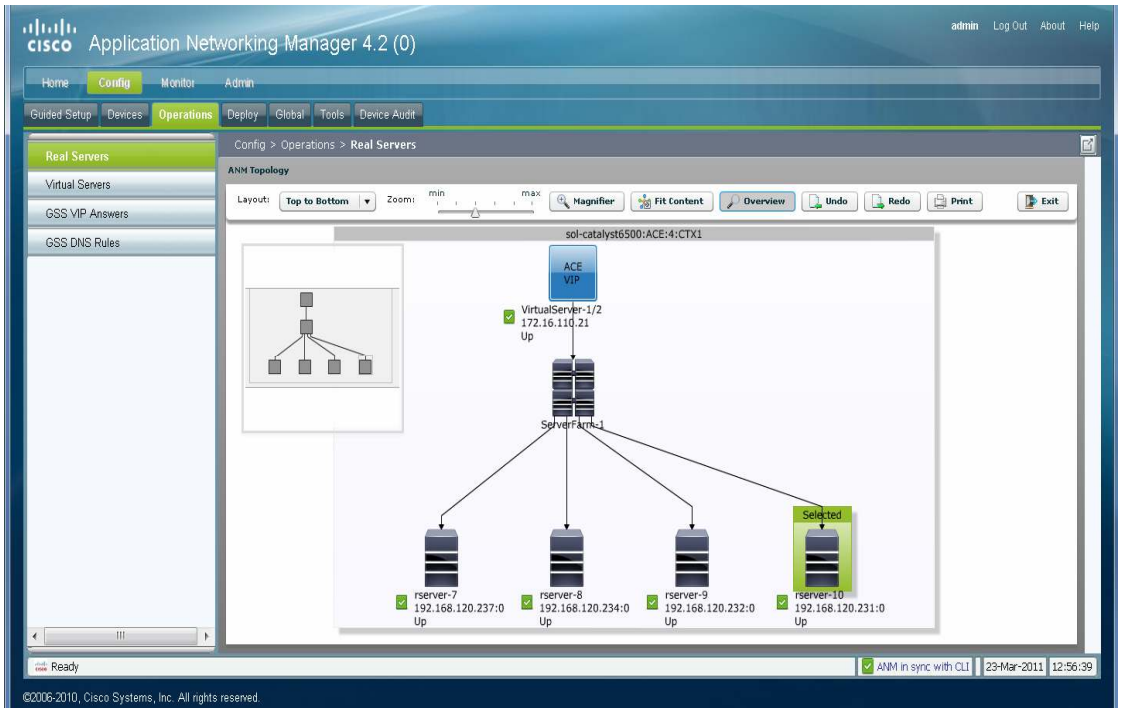
PB572614

Cisco® Application Networking Manager (ANM) software is part of the Cisco Application Control Engine (ACE) product family. It is a critical component of any data center or cloud computing architecture that requires centralized configuration, operation, and monitoring of Cisco data center networking equipment and services. Cisco ANM provides this management capability for Cisco ACE devices. It also provides operations management for the Cisco application delivery controller (ADC) infrastructure consisting of the Cisco Content Services Switch (CSS), Cisco Content Switching Module (CSM), Cisco CSM with SSL (CSM-S), and Cisco Global Site Selector (GSS).

Cisco ANM 4.2 builds on Cisco ANM's highly effective operations capabilities to increase operator capabilities while reducing the burden of operating and managing application network services. Using Cisco ANM to manager Cisco ADC infrastructure provides a number of benefits:

- Cisco ANM Increases productivity by helping you delegate tasks beyond networking and operations staff. For example, it enables services deployment by even Tier 1 operators while providing full configuration capabilities for advanced engineers.
- Cisco ANM reduces risk of service outages due to syntax or processing errors.
- Cisco ANM reduces configuration sprawl by helping you standardize device configuration.
- Overall, Cisco ANM reduces total cost of ownership (TCO) by providing a single interface for provisioning, operations, maintenance, and monitoring across multiple systems

Figure 1 showing the topology view of real server



New Features

- **Dynamic workload scaling:** Cisco ANM 4.2 allows you to configure dynamic workload scaling (DWS), which is a Cisco ACE feature that permits on-demand access to remote resources, such as VMware Virtual Machines that you own or lease from an Internet service provider (or cloud service provider). This feature uses Cisco Nexus® 7000 Series Switches with Cisco Overlay Transport Virtualization (OTV), which is a Cisco Data Center Interconnect (DCI) technology used to create a Layer 2 link over an existing IP network between geographically distributed data centers. Cisco ANM 4.2 supports the DWS feature for Cisco ACE Software Release A4(2.0) for both the Cisco ACE Module and Cisco ACE appliances.
- **Cisco ANM backups for use with the Cisco ANM server and Cisco ANM virtual appliance:** Cisco ANM virtual appliances can now create or use Cisco ANM backups for restore and upgrade operations. The Cisco ANM backups created on the virtual appliance and the Cisco ANM server software can be used interchangeably across both installations. For instance, a Cisco ANM backup on a Cisco ANM server with a compatible version can be restored or upgraded on a Cisco ANM virtual appliance, and a Cisco ANM virtual appliance can be restored on a Cisco ANM server.
- **Remote authorization of Cisco ANM users:** Cisco ANM 4.2 supports remote authorization through TACACS+ server. When Cisco ANM authorizes a remote user, it sends a request to the TACACS+ server, which returns the role and domain names of the requested user. The definitions of roles and domains are stored locally on Cisco ANM. Combining this feature with the existing remote authentication feature allows you to set up Cisco ANM so that all Cisco ANM user authentication and authorization is performed remotely using a TACACS+ server. This approach eliminates the need to create users on Cisco ANM for those authenticated and authorized through TACACS+; users need only be created on the TACACS+ server.
- **Source email address for email alerts:** Cisco ANM 4.2 provides an option to set the Mail From email address when specifying the Simple Mail Transfer Protocol (SMTP) server to use for outgoing email alerts (Monitor > Settings > SMTP Configuration). By default, the Mail From address is set to anm@hostname. You can request email alerts when configuring a threshold group (Monitor > Alarm Notifications > Threshold Groups) or when enabling the Historical Data Export feature (Monitor > Settings > Historical Data Export). With this feature, your SMTP server can check the source of email alerts by using the Mail From email address.
- **Health monitor probe for redirect real servers and server farms:** Cisco ANM 4.2 supports the Cisco ACE capability to probe the destination of a redirect real server, which is accomplished by associating a health probe with a redirect server farm or a redirect real server.
- **Operations enhancement:** Cisco ANM 4.2 provides the following operations enhancements:
  - Capability to specify the customized username and password prompts to use when importing a Cisco Catalyst® 6500 Series Switch or Cisco 7600 Series Router to Cisco ANM; for more information, see the user guide for Cisco ANM 4.2
  - Improved on-demand polling response time for real and virtual servers from the Operations and Monitoring windows; Cisco ANM 4.2 also reduces the activate and suspend operation waiting times for real and virtual servers from the Operations window

Product Availability

- **Cisco ANM Server for Red Hat Enterprise Linux:** Cisco ANM servers can be run on supported 64- and 32-bit versions of Red Hat Enterprise Linux.
- **Cisco ANM Virtual Appliance for VMware:** The virtual appliance is run as a virtual machine in a VMware 4.0 or 4.1 environments. There is no change to the Cisco ANM user's web interface, nor does the use of this appliance affect the way that Cisco ANM manages network devices. When deployed, this appliance is nearly identical to Cisco ANM run on a standalone Linux server; it is a complete computing system, including the

application and operating system and an interface similar to the Cisco IOS® Software interface for administration functions such as backing up and restoring the system and configuring Simple Network Management Protocol (SNMP) properties.

The Cisco ANM virtual appliance is interchangeable with the Cisco ANM server. This interchangeability makes the appliance easy to deploy and scale; allows more efficient utilization of hardware resources; and eliminates the need to acquire, install, and maintain the operating system separately. The installation files for the Cisco ANM Virtual Appliance for VMware are provided in the same package as those for Cisco ANM Server for Red Hat Enterprise Linux.

- **Cisco ANM open orderability:** To simplify deployment and help ensure that all Cisco ACE customers can gain the advantages of the Cisco ACE portfolio, including Cisco ANM capabilities, Cisco is offering Cisco ANM 4.2 free of charge. Existing Cisco ANM server licenses will fulfill the licensing requirements for customers upgrading to Cisco ANM 4.2. No additional licensing beyond that for the base Cisco ANM server software is required.

Upgrade Paths

Cisco ANM 4.2 supports upgrades on the same server from all versions of Cisco ANM 3.0. Customers upgrading from Cisco ANM 1.1, 1.2, and 2.0 must first upgrade to Cisco ANM 3.0 before migrating to Cisco ANM 4.2.

Customers upgrading on Cisco ANM Server for Red Hat Enterprise Linux must follow the instructions provided in the installation guide for Cisco ANM 4.2 with respect to server and operating system requirements.

Customers upgrading to Cisco ANM Virtual Appliance for VMware must follow the instructions provided in the installation guide for Cisco ANM 4.2 with respect to VMware virtual machine requirements.

All existing Cisco ANM customers are eligible to upgrade without charge to Cisco ANM 4.2. All Cisco ANM server licenses (ANM-SERVER-*xx*-K9) from Cisco ANM 1.1, 1.2, 2.0, and 3.0 fulfill the licensing requirements for upgrades. Customers with Cisco ANM 1.2, 2.0, and 3.0 licenses can reuse their current Cisco ANM licenses when upgrading to Cisco ANM 4.2 on the same server platform. Customers wanting to rehost their Cisco ANM on a different server platform or to move to Cisco ANM Virtual Appliance for VMware should contact the Cisco Technical Assistance Center (TAC) or Global Licensing Operations as usual to ask for a replacement Cisco ANM license PAK to rehost their existing license at the new server and appliance address.

Ordering Information

Cisco ANM 4.2 is offered for order at no charge, although it does still require licensing. The Cisco ANM server software license always must be ordered to receive the license necessary to install the product for production use, and Cisco Software Application Support requires a separate purchase. Table 1 lists the Cisco ANM 4.2 license available for ordering .The license level ordered for all Cisco ANM 4.0 versions is Cisco ANM 4.0).

Cisco ANM is available for order through regular Cisco sales and distribution channels worldwide. To place an order, visit the Cisco Ordering homepage. To download software, visit the Cisco Software Center. To receive a 90-day evaluation license for Cisco ANM, visit the Cisco Licensing page at www.cisco.com/go/license and click the link for Evaluation Software.

The installation files for Cisco ANM Virtual Appliance for VMware and for Cisco ANM Server for Red Hat Enterprise Linux are provided in the same package.

Table 1. Ordering Information

Description	Part Number
Cisco ANM Server Software	ANM-SERVER-40-K9: For postal mail delivered license
	L-ANM-SERVER-40-K9: For electronically delivered license

Cisco Services

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