



Cisco Monitor Manager Overview

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About Cisco Extensible Network Controller

Cisco Extensible Network Controller (Cisco XNC) is a software platform that serves as an interface between the network elements in one direction (southbound) and third-party applications (northbound). Cisco XNC is a JVM-based application that runs on a Java Virtual Machine (JVM). Cisco XNC is based on a highly available, scalable, and extensible architecture that supports a network. Cisco XNC is built for extensibility using the Open Services Gateway initiative (OSGi) framework, which allows new functionality to be added.

Cisco XNC can support multiple protocol plugins in the southbound direction. In the current release, OpenFlow version 1.0 is available.

Cisco XNC provides the following:

- Multiprotocol capability with OpenFlow version 1.0 available in this release.
- Functionality to support network visibility and programmability, such as network topology discovery, network device management, forwarding rules programming, and access to detailed network statistics.
- A Service Abstraction Layer (SAL) that enables modular southbound interface support, such as OpenFlow.
- Consistent management access through the GUI or through Java or Representational State Transfer (REST) northbound APIs.
- Security features, such as role-based access control (RBAC), and integration with an external Active Directory using RADIUS or TACACS for authentication, authorization, and accounting (AAA) functions.
- Troubleshooting tools, such as analytics gathering and diagnostic packet injection.
- Cisco advanced features such as Topology Independent Forwarding (TIF), which enables the administrator to customize the path a data flow takes through the network.

- Cisco network applications such as Network Slicing that allows logical partitioning of the network using flow specification.
- High-availability clustering to provide scalability and high availability.

About Cisco Monitor Manager

Cisco Monitor Manager is a network application that runs on Cisco XNC. Cisco Monitor Manager, in combination with the Cisco Agent for OpenFlow and Cisco Nexus 3000 Series switches, enables you to create a scalable and flexible replacement for matrix switches, which traditionally connect network monitoring devices to points within the network where monitoring is desired. With the Cisco Monitor Manager solution, you can do the following:

- Classify Switched Port Analyzer (SPAN) and Test Access Point (TAP) ports.
- Filter which traffic should be collected.
- Redirect packets from a single or multiple SPAN or TAP ports to multiple monitoring devices through delivery ports.
- Restrict which users can view and modify the monitoring system.

Logging in to the Cisco Monitor Manager GUI

You can log into the Cisco Monitor Manager using HTTP or HTTPS:

- The default HTTP web link for the Cisco Monitor Manager GUI is `http://Controller_IP:8080/monitor`
- The default HTTPS web link for the Cisco Monitor Manager GUI is `https://Controller_IP:8443/monitor`



Note Before you can use HTTPS, you must manually specify the `https://` protocol in your web browser.

Step 1 In your web browser, enter the Cisco Monitor Manager web link.

Step 2 On the launch page, do the following:

- a) Enter your username and password.
The default username and password is admin/admin.
 - b) Click **Log In**.
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Saving Configuration Changes

You should periodically save the configuration changes that you make in Cisco Monitor Manager.



Note Any unsaved configuration changes will be lost if you stop the Cisco XNC application.

Step 1 On the Cisco Monitor Manager menu bar, click the **Admin** drop-down list.

Note The administrative management drop-down list displays the username that you used when you logged into Cisco Monitor Manager. In this documentation, this will be referred to as the **Admin** drop-down list.

Step 2 Choose **Save**.
