



Cisco IWAN Application Overview

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About the Cisco IWAN Application

The Cisco Intelligent WAN (Cisco IWAN) application runs on the Cisco Application Policy Infrastructure Controller - Enterprise Module (Cisco APIC-EM).

Cisco IWAN extends Software Defined Networking (SDN) to the branch sites with an application-centric approach that is based on business policies and application rules. This allows IT, centralized management with distributed enforcement across the network.

Cisco IWAN automates deployments with an intuitive browser-based user interface. A new router can be provisioned faster without any knowledge of the Command Line Interface (CLI). Business priorities are translated into network policies based on Cisco best practices and validated designs. Cisco IWAN reduces the time required for configuring advanced network services such as DMVPN, PKI, AVC, QoS and PfR through the use of automation and simple, predefined workflows.

Cisco IWAN uses an application-centric approach to offer the following benefits:

- **Reduced operational costs**—Cisco IWAN helps IT deliver an unparalleled user experience over any connection while lowering operational costs.
- **Simplified IT operations**—Cisco IWAN uses a software-based controller model, automating and centralizing management tasks to ensure faster, more successful deployments.
- **Eliminates network complexity**—Cisco IWAN leverages Cisco APIC-EM to abstract network devices into one system, eliminating network complexity and providing centralized provisioning of the infrastructure to speed up application and service roll outs.

Basic Workflow for Accessing the Cisco IWAN Application

Table 2-1 Basic Workflow for Accessing Cisco IWAN

No.	Action	Reference
1	Deploy Cisco APIC-EM.	Deploying Cisco APIC-EM, page 2-2
2	Log into Cisco APIC-EM to access the Cisco IWAN application.	Accessing the Cisco IWAN Application, page 2-2
3	Use the Cisco IWAN application.	Chapters 3 - 8

Deploying Cisco APIC-EM

You access the Cisco IWAN application from the Cisco APIC-EM graphical user interface (GUI). To use Cisco IWAN, you must first deploy Cisco APIC-EM.

You can deploy Cisco APIC-EM on either a server (bare-metal hardware) or within a virtual machine in a VMware vSphere environment. You can also deploy Cisco APIC-EM as either a single host or in a multi-host environment.

For detail instructions about how to deploy Cisco APIC-EM, see the following chapters in the [Cisco Application Policy Infrastructure Controller Enterprise Module Deployment Guide](#):

- Deploying Cisco APIC-EM
- Preparing Virtual Machines for Cisco APIC-EM

Accessing the Cisco IWAN Application

You access the Cisco IWAN application from the Cisco APIC-EM GUI.

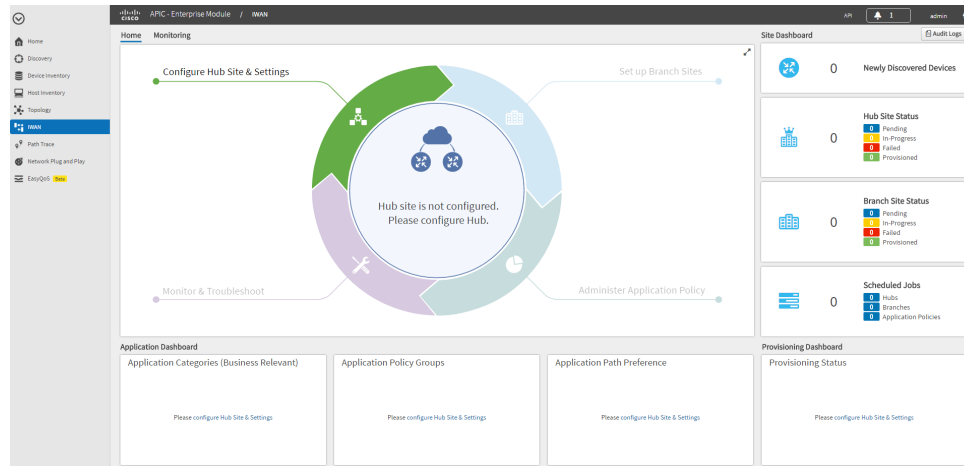
Procedure

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- Step 1** From Google Chrome or Mozilla Firefox, enter the IP address or the fully qualified domain name (FQDN) of the Cisco APIC-EM.
 - Step 2** Enter your username and password, and then click **Log In**.
 - Step 3** Review and confirm the Telemetry Disclosure, which appears only when you log in for the first time, and then click **Confirm**. The Cisco APIC-EM GUI appears.
 - Step 4** From the Cisco APIC-EM GUI left navigation pane, click **IWAN**. The Cisco IWAN application home page opens. See [Cisco IWAN Application Home Page, page 2-3](#).
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Cisco IWAN Application Home Page

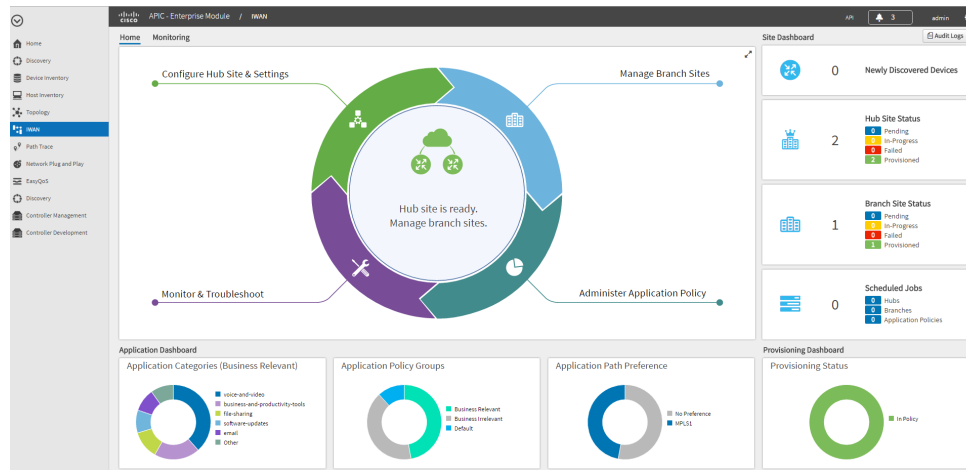
If you are a first time user, the Cisco IWAN home page provides an enhanced user experience by allowing you to configure IWAN in a workflow-based model. The wizard steps embedded in the Cisco IWAN application, guide you through the setup and configuration process.

Figure 2-1 Cisco IWAN Application Home Page—New System Initial Login



After you have configured and provisioned Cisco IWAN, the home page provides more information. For example, it displays hub and branch provisioning status, device status, and application status as shown in the following figure.

Figure 2-2 Cisco IWAN Application Home Page—After Provisioning



Task Area	Description	Reference
Configure Hub Site and Settings tab	Provides the wizard steps that allow you to configure and setup the hub site.	Configuring and Setting Up the Hub Site, page 3-1
Manage Branch Sites tab	Allows you to add and provision branch sites and view site status information.	Managing Branch Sites, page 4-1
Administer Application Policy tab	Allows you to categorize and define application policies based on the application bandwidth.	Administering Application Policies, page 5-1
Monitor and Troubleshoot tab	Allows you to monitor and troubleshoot sites.	Monitoring and Troubleshooting Sites, page 6-1
Application Dashboard	Provides at-a-glance information about: <ul style="list-style-type: none"> Application Categories Application Policy Groups Application Path Preference 	—
Provisioning Dashboard	Provides site provisioning status.	—
Site Dashboard	Provides at-a-glance information about: <ul style="list-style-type: none"> Newly Discovered Devices Hub Site Status Branch Site Status Scheduled Jobs 	—