



Preface

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About

The Cisco IWAN application (IWAN app) operates within Cisco Application Policy Infrastructure Controller Enterprise Module (APIC-EM). Before the 1.3.2 release, the IWAN app was bundled with APIC-EM. Beginning with 1.3.2, it is released separately from APIC-EM and installed manually in APIC-EM. The IWAN app remains an integral part of APIC-EM as in the past.

Audience

This guide is intended primarily for data center administrators with responsibilities and expertise in one or more of the following:

- Server administration
- Storage administration
- Network administration
- Network security

Organization

This document includes the following chapters:

Chapter	Title	Description
1	New and Changed Information	Summarizes release-specific new and changed features for the Cisco IWAN application that are covered in this document.
2	Overview	Introduces Cisco IWAN and describes how to access the Cisco IWAN application.
3	Deployment	Provides information about Cisco IWAN application deployment within Cisco APIC-EM.
4	Managing Hub Sites	Provides information about hub site setup and configuration.
5	Managing Branch Sites	Provides procedures for adding and provisioning branch sites and viewing site status information.
6	Managing Devices	Each site may have one or more associated devices. The IWAN app provides methods for managing the devices individually, including the Custom Configuration feature, which enables executing batch CLI commands on devices in the network.
7	Administering Application Policies	Provides procedures for categorizing and defining application policies based on the application bandwidth.
8	Monitoring and Troubleshooting Sites	Provides procedures for monitoring and troubleshooting sites.
9	Backup and Restore, Recovery, and Delete	Provides information about how to backup and restore, recover Cisco IWAN configuration, and delete hub, transit hub, and branch sites.
A	Brownfield Validation Messages Description	Provides a list of error and warning messages encountered during brownfield device validation.
B	Configuration File Example	Provides an example of a typical configuration file for a Cisco router, without IWAN-related information.

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands and keywords and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.

{ x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note

Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.



Tip

Means *the following information will help you solve a problem*. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.



Caution

Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.



Timesaver

Means *the described action saves time*. You can save time by performing the action described in the paragraph.



Warning

IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.

SAVE THESE INSTRUCTIONS



Warning

Statements using this symbol are provided for additional information and to comply with regulatory and customer requirements.

Related Documentation

Documentation	Description
Cisco IWAN Application on APIC-EM User Guide, Releases 1.6.0	This document. Provides information about how to deploy, configure, and use the Cisco IWAN application.
Cisco IWAN Application on APIC-EM Release Notes	Provides a list of all release notes for the Cisco APIC-EM product, including Cisco IWAN.
Cisco IWAN Technology Design Guides	Design guides that describe Cisco validated designs for Cisco IWAN.
Cisco APIC-EM Documentation Roadmap	Provides a list of all Cisco APIC-EM product documentation. This document is designed to help you get the most out of the controller and its applications. You can find links to all of the documentation, including Cisco IWAN at: http://www.cisco.com/c/en/us/support/cloud-systems-management/one-enterprise-network-controller/tsd-products-support-series-home.html
Cisco Prime Infrastructure Release Notes	Provides a list of all release notes for the Cisco Prime Infrastructure product.
Cisco Prime Infrastructure 3.1 Documentation	Links to deployment guides and other Cisco Prime Infrastructure documentation.
LiveAction	Provides LiveAction IWAN training and documentation.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <https://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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