



Cisco Prime Fulfillment Getting Started and Documentation Guide 6.1

Cisco Prime Fulfillment 6.1 is in terms of features a follow-on release to Cisco IP Solution Center (ISC) 6.0. The user interface has been significantly improved to make features more easily accessible.

Details of added, changed, and dropped functionality are provided in the [*Release Notes for Cisco Prime Fulfillment 6.1*](#)

(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/release/notes/relnotes.html)

Cisco Prime™ Fulfillment is an Experience Lifecycle Manager that contains a number of intelligent network management applications that help reduce overall administration and management costs by providing automated resource management and rapid profile-based provisioning capabilities. Prime Fulfillment enables fast deployment and time to market of Multiprotocol Label Switching (MPLS) and Carrier Ethernet technologies.

In addition, the Prime Fulfillment Traffic Engineering Management application is Cisco's exclusive planning and provisioning application for Cisco MPLS Traffic Engineering (MPLS-TE)-enabled routers. For Diagnostics, use Cisco Prime Diagnostics, which is an automated, decision tree analysis-based network management application that troubleshoots and diagnoses a wide range of



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problems in Multiprotocol Label Switching (MPLS) VPNs. There are four applications in Prime Fulfillment, which operate in a suite within MPLS Management Solutions. These and Application Programming Interfaces (APIs) are all distributed on one product DVD:

Cisco Prime Fulfillment:

- MPLS VPN Management
- Layer 2 VPN and Carrier Ethernet Management
- Traffic Engineering Management
- Cisco Prime Diagnostics

Getting Started with Prime Fulfillment

This section explains how to get started using the Prime Fulfillment 6.1 product. Please follow the steps in the specified order:

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- Step 1** The entire documentation set for Prime Fulfillment 6.1 can be accessed at:
- http://www.cisco.com/en/US/products/sw/netmgts/ps4748/tsd_products_support_series_home.html
- From here you can navigate to any documentation for Prime Fulfillment 6.1 you will need.
- Read this *Cisco Prime Fulfillment Getting Started and Documentation Guide 6.1*, which can also be accessed at
- http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/roadmap/docguide.html.
- Step 2** Read the *Release Notes for Cisco Prime Fulfillment 6.1* (http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/release/notes/relnotes.html). This document gives you information about this specific Prime Fulfillment 6.1 release (for example, new and changed information and known problems in Prime Fulfillment 6.1).
- Step 3** Locate the CD-ROM for the Prime Fulfillment 6.1 product in the product box, then proceed with your installation. Information about the system recommendations, how to install and log into Prime Fulfillment, setting up an Oracle database (optional), setting up the Cisco Configuration Engine (optional),

backing up and restoring the Prime Fulfillment repository, and setting up a standby system is available in the

Cisco Prime Fulfillment Installation Guide 6.1

(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/installation/guide/installation.html).

- Step 4** Upon completing your installation, you start and log into Prime Fulfillment. Then you must enter the license key(s) for newly purchased components or upgrades, which are specified on the Right to Use document(s) found in your product box. There is a Right to Use document for each component and/or upgrade you have ordered and purchased. Information about entering license information is found in the chapter, Installing and Logging In to Prime Fulfillment, in the *Cisco Prime Fulfillment Installation Guide 6.1*

(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/installation/guide/installation.html).

Third party and open source copyright information is found in the *Cisco Prime Fulfillment Third Party and Open Source Copyrights 6.1*

(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/third_party/open_source/PRIME_Fulfillment_Third_Party_and_Open_Source_Copyrights61.html)

- Step 5** Next you configure Prime Fulfillment to know about the preconfiguration information, such as devices, providers, customers, and so on, Prime Fulfillment is going to manage and their roles. The preconfiguration information needed is explained in the Getting Started chapter for the relevant part of the User Guide. How to create the associated elements in Prime Fulfillment is explained in the part, Setting Up Physical Inventory, and how to discover devices is explained in the part Discovering the Network, in the *Cisco Prime Fulfillment User Guide 6.1* (http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/user/guide/prime_fulfill.html).

- Step 6** Next you configure Prime Fulfillment to set up the users and Role Based Access Control (RBAC) roles. How to set up the users and RBAC roles is explained in the part, Administrative Tasks, in the *Cisco Prime Fulfillment User Guide 6.1* (http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/user/guide/prime_fulfill.html).

- Step 7** The next part of the documentation you reference will be the specific provisioning documentation that applies to your network in the *Cisco Prime Fulfillment User Guide 6.1*

(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/user/guide/prime_fulfill.html).

- Managing L2VPN and Carrier Ethernet Services

This part of the user guide provides information for the VPN technologies: the Layer 2 Virtual Private Network (L2VPN) (point-to-point) technology, with access technologies such as ATM, FrameRelay, and Ethernet (Carrier Ethernet); and the Virtual Private LAN Services (VPLS) (point-to-multipoint) technology, with access technology Ethernet (Carrier Ethernet) on Layer 2 and Multiprotocol Label Switching (MPLS) cores.

- Managing MPLS VPN Services

MPLS-based VPNs are created in Layer 3 and are based on the peer model, which makes them more scalable and easier to build and manage than conventional VPNs. This user guide explains the tasks and step-by-step procedures you need to perform to set up the MPLS VPN network infrastructure in Prime Fulfillment and deploy the MPLS VPN service on the network.

- Managing MPLS Traffic Engineering Services

This part of the user guide explains how to use Traffic Engineering Management (TEM), which is a tool for managing MPLS Traffic Engineering (TE) primary and backup tunnels for the purpose of offering Service Level Agreement (SLA) guarantees for your network traffic.

- Performing Diagnostics

This part of the user guide provides details of all failure scenarios and observations reported by the Diagnostics application for Prime Fulfillment. It also lists all IOS and IOS XR commands executed by the troubleshooting workflows.

Prime Diagnostics is an automated, decision tree analysis-based network management application that troubleshoots and diagnoses problems in Multiprotocol Label Switching (MPLS) VPNs. Prime Diagnostics enables you to reduce the amount of time required to diagnose MPLS-related network outages.

- Step 8** For background and concept information that explains the Prime Fulfillment implementation of key product features, see the *Cisco Prime Fulfillment Theory of Operations Guide 6.1* (http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/theory/operations/guide/theory.html)

Step 9 For more information about the API feature set, see the following documents:

- *Cisco Prime Fulfillment API Programmer Guide 6.1*
(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/developer/guide/apipg.html)

This programmer guide provides information about the Prime Fulfillment API components and processes that allow you to use operations support system (OSS) client programs to connect to the Prime Fulfillment system.

- *Cisco Prime Fulfillment API Programmer Reference 6.1*
(http://www.cisco.com/en/US/docs/net_mgmt/prime/fulfillment/6.1/developer/reference/xmlapi.zip)

This programmer reference provides a Readme text file and XML examples for the Prime Fulfillment 6.1 APIs.



Note

All documentation *might* be upgraded over time. All upgraded documentation will be available at the same URLs specified in this document.

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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