Migration Matrix for Cisco Prime Optical and Cisco Transport Manager Service Pack Releases

Revised: August 23, 2013

Introduction

This document describes the migration matrix for Cisco Prime Optical and Cisco Transport Manager (CTM) service pack releases. This document is updated whenever Cisco releases a new Prime Optical or CTM service pack.

Note   *Cisco Prime Optical* is the new product name for the former *Cisco Transport Manager*. Throughout this document, both product names are used.

- *Cisco Prime Optical* is the product name for release 9.3 and later.

- *Cisco Transport Manager* is the product name for release 9.2 and earlier.

Overview

At first customer shipment (FCS), each Prime Optical or CTM release is frozen and a full CD image is created. After FCS, patches are released when a bug fix is required. A patch is not a full CD image but a set of scripts that run on an existing Prime Optical or CTM installation. A patch replaces files and executables, and can launch SQL commands that modify the Prime Optical or CTM database.

Some installation and migration bugs cannot be fixed with a patch because the FCS CD images cannot be modified. For example, if the migration from a patched build to an FCS build is broken, the bug cannot be fixed in a patch because the migration scripts reside on the FCS CD image of the destination release. For this reason, service packs were created. A service pack is similar to a regular patch, but includes a set of migration scripts that fix migration-related bugs.

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Service packs differ from regular patches in the following ways:

- Service packs have a different directory structure. A service pack always includes a set of migration scripts, while a regular patch does not include migration scripts.

- Service packs are planned and released at scheduled intervals. Regular patches, which fix critical customer bugs, are released as needed.

- Service packs contain:
  - Fixes for migration bugs, which are not included in regular patches.
  - Fixes already implemented in other patches.
  - Fixes already implemented in other Prime Optical or CTM releases.
  - Changes to third-party tools, such as Apache, JRE, and so on.

Note Service Packs are available only upto CTM 9.2. Service Packs are not available starting from Prime Optical 9.3.1, as upgrading from 9.3.1 to a later release is possible only via the Data Migrator Wizard.

Migration Matrix Table

The following table summarizes all of the supported Prime Optical or CTM upgrade paths. Keep these points in mind when you view the table:

- If an upgrade path is dimmed (—), you cannot upgrade directly between the builds specified.

- "Install *build-number*" indicates that you must install a specific service pack before upgrading. See Downloading a Prime Optical or CTM Service Pack or Migration Script, page 5.

- A service pack always obsoletes earlier service packs on the same release. For example, a new CTM R9.1 service pack obsoletes all earlier CTM R9.1 service packs, but does not obsolete earlier service packs on other CTM releases (such as R9.0, R8.5, and so on).

- Additional upgrade paths are available by using the Data Migrator wizard, which lets you migrate select optical data from an earlier release. With the wizard, you can migrate a subset of an existing Prime Optical or CTM database to a newly installed server. For details, see the *Cisco Transport Manager Installation Guide* or the *Cisco Prime Optical Installation Guide*.

Table 1   ***Migration Matrix for Prime Optical and CTM Service Pack Releases***

From	Upgrading to								
	CTM R9.0	CTM R9.1	CTM R9.2	Prime Optical 9.3	Prime Optical 9.3.1	Prime Optical 9.5	Prime Optical 9.6	Prime Optical 9.6.3	Prime Optical 9.8
CTM R8.5	Install CTM R8.5.0.430.3	Install CTM R8.5.0.430.3	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[2] or Upgrade to CTM R9.2; then install Prime Optical 9.3.1[3]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
CTM R9.0	—	Install CTM R9.0.0.690.2	Install CTM R9.0.0.690.2	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[2] or Upgrade to CTM R9.2; then install Prime Optical 9.3.1[3]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
CTM R9.1	—	—	Install CTM R9.1.0.380.3	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[2] or Upgrade to CTM R9.2; then install Prime Optical 9.3.1[3]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]

Table 1   ***Migration Matrix for Prime Optical and CTM Service Pack Releases (continued)***

From	Upgrading to								
	CTM R9.0	CTM R9.1	CTM R9.2	Prime Optical 9.3	Prime Optical 9.3.1	Prime Optical 9.5	Prime Optical 9.6	Prime Optical 9.6.3	Prime Optical 9.8
CTM R9.2	—	—	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[2] or Install CTM R9.2.0.492[3] or Install Prime Optical 9.3.1[3]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
Prime Optical R9.3	—	—	—	—	Use the Data Migrator wizard[2] or Run the **upgrade.sh** script[4]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
Prime Optical R9.3.1	—	—	—	—	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
Prime Optical R9.5	—	—	—	—	—	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
Prime Optical R9.6	—	—	—	—	—	—	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]
Prime Optical R9.6.3	—	—	—	—	—	—	—	Use the Data Migrator wizard[1]	Use the Data Migrator wizard[1]

1. A full migration is not possible. However, you can migrate a subset of an existing database to a newly installed Prime Optical server.

2. The Data Migrator wizard migrates only a subset of an existing database to a newly installed Prime Optical 9.3.1 server.

3. You must first upgrade to CTM 9.2 and preserve the entire database before upgrading to Prime Optical 9.3.1. If installing the CTM R9.2.0.492 patch, follow the installation instructions available in the CTM R9.2.0.492 Readme file.

4. Download the PrimeOptical_upgrade_9.3.1_Solaris.tar.zip or PrimeOptical_upgrade_9.3.1_Solaris.tar.zip file. See the *Cisco Prime Optical Installation Guide, 9.3.1* for specific instructions.

Downloading a Prime Optical or CTM Service Pack or Migration Script

If Table 1 indicates that you must install a specific service pack or migration script before upgrading, complete the following steps:

Step 1 Go to http://www.cisco.com/cisco/software/navigator.html?mdfid=283812777&flowid=29681.

Step 2 At the Select a Product screen, select one of the following:

- **Cisco Transport Manager**
- **Cisco Prime Optical**

Step 3 Click the desired release.

Step 4 Click **Expand all** and click the desired end-of-tree node. The migration script or service pack is displayed in the right pane.

Step 5 Click **Download Now**.

Step 6 At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**.

> **Note** If you do not have a Cisco.com username and password, you can register for them at http://tools.cisco.com/RPF/register/register.do.

Step 7 At the Download Software screen, click **Proceed with Download**.

Step 8 At the License Agreement screen, read the terms of the license agreement and click **Agree**.

Step 9 Download the selected migration script or service pack to the location of your choice.

Related CTM Documentation

> **Note** You can access the most current CTM documentation online at http://www.cisco.com/en/US/products/sw/opticsw/ps2204/tsd_products_support_series_home.html.

The CTM documentation set comprises the following guides:

- *Release Notes for Cisco Transport Manager*—Describes the caveats for CTM.
- *Cisco Transport Manager Installation Guide*—Explains how to install CTM and how to upgrade from previous releases.
- *Cisco Transport Manager User Guide*—Describes how to use the CTM software, which consists of user applications and tools for network discovery, network configuration, connection management, fault management, system administration, and security management.
- *Cisco Transport Manager GateWay/CORBA User Guide and Programmer Manual*—Describes the CTM GateWay/CORBA northbound interface product that is available for CTM. This document serves as a reference for developers of OSS applications that work with the CTM GateWay/CORBA interface.

- *Cisco Transport Manager Database Schema*—Describes the database schema that CTM uses to store information in a Structured Query Language (SQL) database such as the Oracle database. The document is designed for users who need to create their own reports without using CTM.

- *Cisco Transport Manager High Availability Installation Guide*—Explains how to install CTM in a high availability (HA) environment.

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Note Contact your Cisco account representative to obtain the *Cisco Transport Manager High Availability Installation Guide*.

- *Cisco Transport Manager ML Provisioning Methodology*—Describes the methodology that CTM uses to provision ML-series cards.

- *Cisco Transport Manager Basic External Authentication*—Describes how CTM supports basic external authentication.

- *Migration Matrix for Cisco Prime Optical and Cisco Transport Manager Service Pack Releases*—This document.

Related Prime Optical Documentation

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http://www.cisco.com/en/US/products/ps11670/tsd_products_support_series_home.html.

The Prime Optical documentation set comprises the following guides:

- *Release Notes for Cisco Prime Optical*—Describes the caveats for Prime Optical.

- *Cisco Prime Optical Installation Guide*—Explains how to install Prime Optical and how to upgrade from previous releases.

- *Cisco Prime Optical User Guide*—Describes how to use the Prime Optical software, which consists of user applications and tools for network discovery, network configuration, connection management, fault management, system administration, and security management.

- *Cisco Prime Optical GateWay/CORBA User Guide and Programmer Manual*—Describes the GateWay/CORBA northbound interface product that is available for Prime Optical. This document serves as a reference for developers of OSS applications that work with the GateWay/CORBA interface.

- *Cisco Prime Optical Database Schema*—Describes the database schema that Prime Optical uses to store information in a Structured Query Language (SQL) database such as the Oracle database. The document is designed for users who need to create their own reports without using Prime Optical.

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Note Cisco Prime Optical Database Schema will not available after 9.6.3 release.

- *Cisco Prime Optical High Availability Installation Guide*—Explains how to install Prime Optical in a high availability (HA) environment.

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Note To obtain the *Cisco Prime Optical High Availability Installation Guide*, contact your Cisco account representative.

- *Cisco Prime Optical ML Provisioning Methodology*—Describes the methodology that Prime Optical uses to provision ML-series cards.

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Note Cisco Prime Optical ML Provisioning Methodology will not available after 9.6.3 release.

- *Cisco Prime Optical Basic External Authentication*—Describes how Prime Optical supports basic external authentication.

- *Migration Matrix for Cisco Prime Optical and Cisco Transport Manager Service Pack Releases*—This document.

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Note See Cisco Prime Optical 9.6.3 Documentation Overview for a list of Prime Optical 9.6.3 guides.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html.

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