

CA Chorus™

Maintenance Guide

Version 04.0.00, First Edition



This Documentation, which includes embedded help systems and electronically distributed materials (hereinafter referred to as the "Documentation"), is for your informational purposes only and is subject to change or withdrawal by CA at any time. This Documentation is proprietary information of CA and may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of CA.

If you are a licensed user of the software product(s) addressed in the Documentation, you may print or otherwise make available a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all CA copyright notices and legends are affixed to each reproduced copy.

The right to print or otherwise make available copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to CA that all copies and partial copies of the Documentation have been returned to CA or destroyed.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and such license agreement is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is CA.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2014 CA. All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

CA Technologies Product References

This document references the following CA Technologies products:

- CA Chorus™
- CA Chorus™ for IMS Database Management
- CA Chorus™ for Security and Compliance Management
- CA Chorus™ for Storage Management
- CA Chorus™ Infrastructure Management for Networks and Systems
- CA Chorus™ Software Manager

Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At <http://ca.com/support>, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

Providing Feedback About Product Documentation

If you have comments or questions about CA Technologies product documentation, you can send a message to techpubs@ca.com.

To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at <http://ca.com/docs>.

Contents

- Chapter 1: Applying Maintenance to CA Chorus** **7**
- How to Apply Maintenance to CA Chorus.....7
- Complete the Prerequisites8
- Download Your CA Chorus Maintenance Packages8
- Apply Maintenance to the SMP/E Installation Libraries9
- Deploy Updates to Your Runtime Environments10

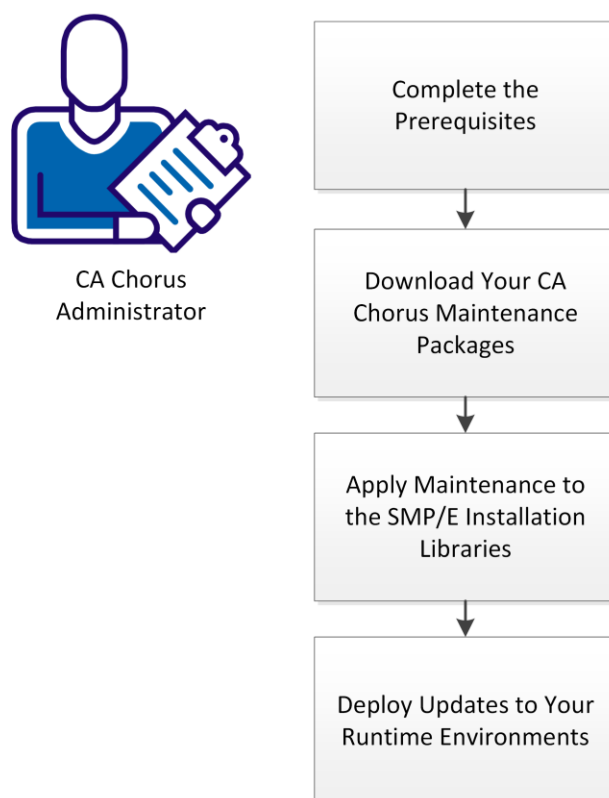
Chapter 1: Applying Maintenance to CA Chorus

How to Apply Maintenance to CA Chorus

This scenario shows how a CA Chorus administrator applies maintenance to CA Chorus. Doing so ensures that CA Chorus is running the latest fixes and updates.

The following workflow provides an overview of the process:

How to Apply Maintenance to CA Chorus



1. [Complete the Prerequisites](#) (see page 8)
2. [Download Your CA Chorus Maintenance Packages](#) (see page 8)
3. [Apply Maintenance to the SMP/E Installation Libraries](#) (see page 9)
4. [Deploy Updates to Your Runtime Environments](#) (see page 10)

Complete the Prerequisites

Complete the following prerequisites before applying maintenance to CA Chorus.

Follow these steps:

1. Verify that all of the zFS file systems are mounted.
2. Verify that the SMPPTS data set that you use to receive the maintenance has sufficient room to grow. To do so, verify that the volume where the SMPPTS is located has free space available.

You have completed the prerequisites.

Download Your CA Chorus Maintenance Packages

You can download maintenance packages for your installed CA Chorus product using the CA Chorus Software Manager (CA CSM) Products tab. You can download:

- All maintenance packages for a product
- Only maintenance packages that have been released from the time the product release was updated last

Note: For more information about downloading maintenance packages using CA CSM, see *Maintaining Products Using CA CSM* in the CA CSM bookshelf under User Documentation By Task.

Note: The information for HIPERs and new maintenance on the Software Status tab is based on the current information in your software catalog. We recommend that you update the product list on a daily or weekly basis to keep it current.

Follow these steps:

1. Verify that your CA CSM login user name is associated with a registered user of [the CA Support Online website](#) on the Software Acquisition Settings page.

CA Chorus™ Software Manager uses the credentials to access [the CA Support Online website](#).

2. Click the name of the product for which you want to download maintenance in the product list on the left side.

Maintenance information about the product appears in the Releases section on the right side.

3. For the product release for which you want to download maintenance, click the Actions drop-down list to the right of the release. Take one of the following steps:
 - Select Update Product Release to download all maintenance packages for the product release.
 - Select Get Latest Maintenance to download only maintenance packages that have been released from the time the CA Chorus release was updated last.

A dialog that shows the progress of the task opens. When the task completes, you can click Show Results on the Progress tab to close this dialog. The task output browser opens and you can view the action details. Click Close to close the task output browser.

Note: While a task is in progress, you can perform other work. You can click Hide to exit the dialog and view the task status later on the Tasks tab.

The CA Chorus maintenance packages are downloaded.

Apply Maintenance to the SMP/E Installation Libraries

Apply maintenance to the CA Chorus Platform and disciplines using the CA Chorus Software Manager (CA CSM). Maintenance is applied to the SMP/E installation libraries.

Note: For more information about applying maintenance using CA CSM, see *Maintaining Products Using CA CSM* in the CA CSM bookshelf under User Documentation By Task.

Follow these steps:

1. From CA CSM, click the SMP/E Environments tab.
2. Click Refresh.
3. Select the CA Chorus or discipline CSI link, and click Maintenance.
4. Select All in your filter, or select only the Program Temporary Fixes (PTFs) that you need.
5. Click Install to install the PTFs.
6. Follow the wizard prompts to complete the PTF installation.
The PTFs are installed and maintenance is applied.
7. Click Refresh to confirm the status of the PTF installation.

Maintenance is applied to the CA Chorus SMP/E installation libraries.

Deploy Updates to Your Runtime Environments

Applying maintenance to the SMP/E installation libraries updates the data sets and libraries. You must deploy those updated data sets and libraries to your runtime environments for the maintenance updates to take effect.

Follow these steps:

1. Review the SMPRPT report that was output during the CA CSM maintenance process to identify which data sets and libraries were updated. Use this report to determine which of the following steps are required for your site.
2. Stop the CA Chorus Application Server (CHORJBOS started task):
P CHORJBOS

A message indicating that the CA Chorus Application Server started task has ended is logged.
3. If any of the following libraries were updated during the maintenance process, stop the tasks that are using these libraries:
 - CETJPLD
 - CETJLOAD
 - CETJOPTN
 - CC2DEXEC
 - CC2DLOAD
4. If the CETJZFS0 data set was updated during the maintenance process, do the following steps:
 - a. Unmount all the z/FS file systems on the installation environment and your runtime environments.
 - b. Using ARDRSSU:
 - Create a package that includes the CETJZFS0 data set in the installation environment.
 - Deploy the package to your runtime environments. When you do so, rename the data set to your runtime environment names.
5. If any other libraries were updated during the maintenance process, use the IEBCOPY to copy the updated installation libraries to your runtime environments.
6. After you have updated your runtime environments, do the following steps:
 - a. Run CETJJCL(ETJI0100) to update ownership of the transferred data sets.
 - b. Run CETJJCL(ETJI0150) to update the startup configuration (standalone-chorus.xml).

7. Restart the tasks that you stopped in step 3.
8. Restart the CA Chorus Application Server (CHORJBOS started task):

S CHORJBOS

The following message appears when CA Chorus Application Server startup is complete:

ETJTC001I CA Chorus Startup Complete

The updated data sets are deployed to your runtime environments.

You have applied maintenance to CA Chorus.