

# CA Chorus™ Software Manager

## Release Notes

Release 5.1



First Edition

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## CA Technologies Product References

This document references the following CA Technologies products:

- CA Chorus™ Software Manager (CA CSM)
- CA ACF2™ for z/OS
- CA Allocate™ DASD Space and Placement (CA Allocate)
- CA Chorus™
- CA Common Services for z/OS
- CA Datacom®/AD
- CA Datacom/MSM
- CA Distributed Security Integration for z/OS (CA DSI Server)
- CA PDSMAN® PDS Library Management (PDSMAN)
- CA Top Secret® for z/OS

# 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

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# Chapter 1: Overview

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CA Chorus™ Software Manager (CA CSM) is an application that simplifies and unifies the management of your CA Technologies mainframe products on z/OS systems. As products adopt the CA CSM services, you can acquire, install, maintain, deploy, and configure your products in a common way according to industry best practices.

The CA CSM services simplify acquiring, installing, deploying, and configuring products. These services also make obtaining and applying corrective and recommended maintenance easier. A web-based interface enables you to install and maintain your products faster and with less chance of error.

**Note:** CA CSM is provided free to licensees of any CA Technologies mainframe product for z/OS who are active on maintenance. CA CSM is provided under the same licensing terms that apply for the CA Technologies product. Thereafter, you also receive free CA CSM maintenance for the duration of your maintenance contract for the related CA Technologies mainframe product.



# Chapter 2: New Features

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## CA Chorus Branding, New Look-and-Feel

CA Mainframe Software Manager (CA MSM) is renamed to CA Chorus Software Manager (CA CSM) and adopts the CA Chorus look-and-feel.

**Note:** Some references to CA MSM, including internal scripts, file names, data set names, and related product names have not been renamed yet. These instances will be renamed in a future release of CA CSM.

## Task Policy Management

CA CSM now lets you manage and organize tasks with policies. Use task management policies to copy, delete, and move task output. Select tasks that are based on criteria including their age and their type. Create task policies using the Task Policy wizard.

**Note:** For more information about task management policies, see the *User Guide*.



# Chapter 3: Enhancements to Existing Features

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This chapter describes enhancements made to existing features of CA CSM for this version.

This section contains the following topics:

[CA Distributed Security Integration for z/OS r15 Implemented](#) (see page 11)

[New Documentation](#) (see page 11)

[Product News](#) (see page 12)

[User Feedback on CA CSM](#) (see page 12)

[FIXCAT Offline Mode](#) (see page 12)

[Product Hiding and Displaying in the Product Tree](#) (see page 13)

[HTTPS Support for Maintenance, CA RS and HOLDDATA](#) (see page 13)

[Java 7 Support](#) (see page 13)

[Link from CA CSM to the CA Chorus Product Page](#) (see page 13)

[Prerequisite Resolution During a Product Installation](#) (see page 13)

[Snapshot Cleanup](#) (see page 14)

[Space Manager to Manage Temporary Space](#) (see page 14)

[Options File Keyword Updates](#) (see page 14)

[User Defined Resource Class Creation Upon Startup](#) (see page 15)

[Installation Jobs](#) (see page 15)

[CA Support Online ID Multiple TSO User Support](#) (see page 15)

[Prerequisite Validator Port Checks](#) (see page 15)

[Enhanced Summary Page of the Installation Wizard](#) (see page 15)

[Installation Wizard Space Checks](#) (see page 16)

[Added 'Succeeded with Warnings' Task Status](#) (see page 16)

## CA Distributed Security Integration for z/OS r15 Implemented

CA CSM now works with CA Distributed Security Integration for z/OS r15.

## New Documentation

New guides and user scenarios were added to the CA CSM product documentation.

The following guides were added:

### Site Preparation Guide

This guide describes the preparation you should do before you install CA CSM Release 5.1 or upgrade CA CSM to Release 5.1.

### Installation Guide

This guide describes how to install CA CSM Release 5.1 or upgrade CA CSM to Release 5.1.

In addition, the following scenarios were added:

- Acquiring Products Using CA CSM
- Installing Products Using CA CSM
- Maintaining Products Using CA CSM
- Managing SMP/E Environments in CA CSM

**Note:** For more information about the scenarios, see the CA CSM bookshelf.

## Product News

On the Software Status tab, there is a new section named Product News. Relevant CA CSM product news from CA Technologies appears here. This section is updated after every user login when new product news is available. You can also click Refresh to check for product news.

**Note:** This section is for CA CSM product news from CA Technologies only. You cannot display news for your site in this section.

## User Feedback on CA CSM

You can now provide your feedback on CA CSM and send it to CA Technologies. Use the Feedback link located on the bottom right corner.

## FIXCAT Offline Mode

CA CSM now lets you use the Fix Category (FIXCAT) wizard in offline mode. This allows you to manage FIXCAT maintenance that is currently in your SMP/E environment without going online.

**Note:** For more information about FIXCAT maintenance, see the *User Guide*.

## Product Hiding and Displaying in the Product Tree

CA CSM now lets you hide a product, release, or gen level from the product list and remove associated packages from your system. Removing the packages lets you free up DASD space on your system.

**Note:** For more information about hiding and displaying products, see the *User Guide*.

## HTTPS Support for Maintenance, CA RS and HOLDDATA

CA CSM now supports HTTPS to download regular maintenance packages, CA RS maintenance packages, and HOLDDATA.

**Note:** For more information about HTTPS support, see the *Administration Guide*.

## Java 7 Support

CA CSM now supports Java 7.

## Link from CA CSM to the CA Chorus Product Page

The Quick Actions section of the CA CSM Software Status tab now has a link to the CA Chorus product page on the CA Support Online website.

**Note:** For more information about the link, see the *User Guide*.

## Prerequisite Resolution During a Product Installation

You can now install products that require prerequisites to be installed first. The Prerequisites step of the CA CSM base installation wizard lets you select an SMP/E environment and target zone where the prerequisites are installed and where your product must be installed.

**Note:** For more information about the prerequisite resolution, see the *User Guide*.

## Snapshot Cleanup

CA CSM now lets you delete outstanding snapshot file systems from a previous version of CA CSM with the Clean Up Deployment Snapshots action.

**Note:** For more information about deleting snapshots, see the *User Guide*.

## Space Manager to Manage Temporary Space

CA CSM now manages temporary space for the Software Installation Service (SIS), Product Acquisition Service (PAS), and Software Deployment Service (SDS). This eliminated the need for the following fields on the Settings tab:

- Information about the Temporary Download Directory field was removed from the System Settings, Software Acquisition page and the User Settings, Software Acquisition page.
- Information about the Server Unpax Temporary Directory field was removed from the System Settings, Software Installation page.
- Information about the User Unpax Temporary Directory field was removed from the User Settings, Software Installation page.

Two keywords were also removed from the options file (MSMSetupOptionsFile.properties): USSTempDwnldPath and sisServerUnpaxTempDir.

**Note:** For more information about managing temporary space, see the *Administration Guide*.

## Options File Keyword Updates

Updates were made to the MSMSetupOptionsFile.properties options file in the MSMSetup directory.

Added the following keywords:

### **TempSpaceCleanupInterval**

Specifies the time interval, in minutes, for CA CSM to clean up temporary work space. A value of zero (0) disables this feature.

### **safResourceClass**

Specifies the SAF resource class name that CA CSM uses for security rules in resource profiles.

Removed the following keywords:

- USSTempDwnldPath
- sisServerUnpaxTempDir

**Note:** For more information about option file keywords, see the *Administration Guide*.

## User Defined Resource Class Creation Upon Startup

CA CSM now lets you change the name of the CAMSM resource class during startup.

**Note:** For more information about defining the resource class, see the *Administration Guide*.

## Installation Jobs

The installation jobs were renamed. There are now different jobs for a new installation and for an upgrade.

**Note:** For more information about installation jobs, see the *Administration Guide*.

## CA Support Online ID Multiple TSO User Support

CA CSM now lets you have multiple users with separate TSO user IDs use the same CA Support Online user ID.

## Prerequisite Validator Port Checks

CA CSM now lets you change ports that the Prerequisite Validator checks.

**Note:** For more information about the Prerequisite Validator, see the *Administration Guide*.

## Enhanced Summary Page of the Installation Wizard

Information about the allocation commands was added to the Summary page of the installation wizard.

**Note:** For more information, see the *User Guide*.

## Installation Wizard Space Checks

The installation wizard now checks for space when you allocate data sets on a non-SMS managed volume. If you allocate data sets on a non-SMS managed volume, the installation wizard tells you when you do not have enough space on that volume to run the product installation.

**Note:** For more information, see the *User Guide*.

## Added 'Succeeded with Warnings' Task Status

A new task status, Succeeded with warnings, was added within the Add External Maintenance functionality. This status provides you with a status and informational feedback for when a maintenance package is added into a release but the addition does not actually take place. If that maintenance package exists, a link is established instead. This status is also used when the maintenance package already exists in the release for given product. In this case, a warning is displayed that the maintenance package is already present in the release.

# Chapter 4: Installation Considerations

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Before you begin your installation, check the CA CSM home page and your product's home page on [the CA Support Online website](#) for the latest news.

You can either install CA CSM Release 5.1 as a new installation of CA CSM, or upgrade from V5.0, R4.1, V4.0 or r3.1.

**Important!** Read chapters 2-4 of the *Administration Guide* thoroughly before installing CA CSM Release 5.1.

This section contains the following topics:

[Software Requirements](#) (see page 17)

## Software Requirements

CA CSM has the following *minimum* software requirements:

### CA Technologies software

Your system must have CA Common Services for z/OS Release 14.1, Version 14, or r12.

- Verify that CETN500 is applied to CA CSM driving system, and all the target systems for the Software Deployment Service (SDS) and the Software Configuration Service (SCS).

When you install CETN500 into CA Common Services for z/OS r12 or Version 14, it replaces CETN300 or CETN400.

**Note:** Apply all published CETN500 maintenance, deploy to all target systems, and verify that HOLDDATA instructions are completed. If you do not apply CETN500, CA CSM is operational; however the Software Configuration Service (SCS) and the Software Deployment Service (SDS) are unavailable.

- Apply PTFs RO17488, RO19624, RO41046, RO42868, and RO43995 to r12.

If you do not plan to use the SDS, you can skip PTFs RO19624 and RO42868.

For passing APPLID on CAICCI authentication calls, apply PTF RO37409. PTF RO18999, which is also required, is automatically applied as part of RO42868.

- Apply PTFs RO40945, RO44235, and RO44412 to Version 14.

If you do not plan to use the SCS, you can skip PTF RO44235.

For passing APPLID on CAICCI authentication calls, apply PTFs RO30506, RO30937 and RO33987.

CA Common Services for z/OS load libraries CAW0LOAD and CAW0PLD (Release 14.1 and Version 14.0) or CAIPLD (r12), must be accessible to CA CSM through the Job Control Language or system LINKLST. The following services are required:

- CAICCI

**Note:** CAICCI must be configured and running on CA CSM driving system and on all the target systems for the SDS and the SCS.

- CAIENF
- CAIRIM
- CA-C Runtime

**Note:** For more information about CA Common Services for z/OS, see the CA Common Services for z/OS user documentation.

If you have other CA Technologies software products, verify that you have installed mandatory maintenance for these products:

- If you use CA ACF2 for z/OS, apply PTF RO31548 to CA ACF2 for z/OS r14. Alternatively, apply PTF RO30898 to CA ACF2 for z/OS r15.
- If you use CA Top Secret for z/OS, apply PTF RO31780 to CA Top Secret for z/OS r14. Alternatively, apply PTF RO30836 to CA Top Secret for z/OS r15.
- If you use CA PDSMAN on your SCS target system, apply PTF RO26804 to CA PDSMAN r7.6. Alternatively, apply PTF RO25866 to CA PDSMAN r7.7.

### IBM software

Your system must satisfy the following requirements:

- Your system has the latest version of z/OS or the last previous version. IBM supports the most currently announced GA version plus the one previous version.
- Your system uses the TCP/IP protocol suite of z/OS Communications Server, with the FTP.DATA data set that is configured with the JESINTERFACELEVEL 2 statement. When installation jobs are submitted through FTP, the CA CSM installation process requires the JESINTERFACELEVEL 2 statement to obtain job status and output. You can return the JESINTERFACELEVEL to its previous value after CA CSM is successfully installed.

Alternatively, you can configure the CA CSM installation process to use TSO for job submission and processing.

- Your system has at least SMP/E V3R5.

- Your system has IBM Java SDK for z/OS:
  - Java 6.0, build 2.4, at maintenance level SR9 (31 bit or 64 bit).
  - Java 6.0, build 2.4, at maintenance level SR10 (31 bit or 64 bit).
  - Java 6.0, build 2.6, base build (31 bit or 64 bit).

**Note:** Java 6.0, build 2.6 is the equivalent of IBM Java 6.0.1. For Java 6.0, install PTF UK56434, APAR PM08437, SDK6 SR8.

  - Java 6.0.1, build 2.6, at maintenance level SR1 (31 bit or 64 bit).
  - Java 7.0, build 2.6 (31 bit or 64 bit).

You can download the software in non-SMP/E installable format. For more information, go to the following website and click the link to the software: <http://www-03.ibm.com/servers/eserver/zseries/software/java/>. This web page lists the available IBM SDK releases. The release link redirects you to a more detailed web page. The detailed page usually has a link in the text for *additional install information*. The page that opens from this link can have helpful information to customize the JZOS Batch Launcher function that CA CSM uses. For example, this information can help you create an alternate JVM loadlib for CA CSM, if that is a preferred configuration at your site.

- Your Language Environment library CEE.SCEERUN2 is APF-authorized.

### PC software

The computer that is used to access CA CSM must have at least one of the following web browsers:

- Mozilla Firefox 13, 14, 15, or 16
- Microsoft Internet Explorer 7, 8, or 9
- Microsoft Internet Explorer 10 (compatibility mode only)

**Note:** Microsoft Internet Explorer 10 native mode is *not* supported and causes multiple browser errors.

We recommend you use Mozilla Firefox.

Verify that your web browser has JavaScript and cookies that are enabled for the server where CA CSM is running.

**Note:** The recommended screen resolution is 1024 x 768 pixels or higher. If you have a lower screen resolution, some elements of the CA CSM web-based interface do not display properly.

For more information, see the chapter Preparing for Installation in the *Administration Guide*.



# Chapter 5: Known Issues

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See the CA CSM home page on the [CA Technical Support site](#) for instructions about how to download fixes for known problems. You only need to apply the latest fix because all fixes to CA CSM are cumulative.

You can use CA CSM to maintain itself, which is described in the topic, Apply Maintenance to CA CSM, in the *Administration Guide*.

This section contains the following topics:

[Datacom Memory Issue \(PREV MISC MEM\\_CHAIN\\_INVALID\)](#) (see page 21)

## Datacom Memory Issue (PREV MISC MEM\_CHAIN\_INVALID)

You may receive the following error while running a PAS update task, and the task fails:

```
PAS Exception thrown within BaseProdListCMD PreparedStatementCallback;
uncategorized SQLException for SQL [select EXECUTED_TASK_ID,
PENDING_MSM_TASK_ID, AUDIT_ID from PEND_ACTION_EXEC_TASK_HIST
where EXECUTED_TASK_ID = ?]; SQL state [HY000]; error code [-999];
ca.datacom.db.DBSQLException: ca.datacom.db.DBSQLException:
INTERNAL ERROR (xdbfree LINE 0785): PREV MISC MEM_CHAIN_INVALID
in Session(Exception executeImmediate)in Query(prepareparameterized);
nested exception is java.sql.SQLException: ca.datacom.db.DBSQLException:
ca.datacom.db.DBSQLException: INTERNAL ERROR (xdbfree LINE 0785):
PREV MISC MEM_CHAIN_INVALID
```

Rerun the task until it completes successfully.



# Chapter 6: Additional Information

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This section contains the following topics:

[CA MPS Usage](#) (see page 23)

## CA MPS Usage

The CA Maintenance Product Upgrade Service (CA MPS) usage setting will no longer be available for downloading software packages in future versions of CA CSM.

**Note:** For more information about CA MPS usage, see the *User Guide*.



# Appendix A: Third-Party Software Acknowledgements

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