

CA Chorus™ Software Manager

Upgrade Checklist

Release 5.1



First Edition

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Chapter 1: Introduction

This checklist details the tasks that a System Programmer must complete to upgrade CA Chorus™ Software Manager (CA CSM).

Important! Before you start upgrading CA CSM, read the *Site Preparation Guide* thoroughly and complete tasks that it describes. For detailed information about the upgrade, see the *Installation Guide* and the scenario *Upgrading CA CSM*.

This section contains the following topics:

[How to Upgrade CA CSM for a Single File System](#) (see page 5)

[How to Upgrade CA CSM for a Multiple File System](#) (see page 9)

How to Upgrade CA CSM for a Single File System

1. From the Download Center on [the CA Support Online website](#), download the CA CSM Release 5.1 Prerequisite Validator pax file (51000068XU1.pax.Z) to an existing USS directory on the LPAR where CA CSM will be installed.
2. Unpack the file:
 - a. Enter TSO OMVS
 - b. `cd path_where_pax_file_was_downloaded`
 - c. `pax -rvf 51000068XU1.pax.Z`
3. Execute the Prerequisite Validator and review the Prerequisite Verification Report.

Note: This command requires a minimum TSO region size of 196608 KB (192 MB) and fails if the region is not available.

 - a. Java 7.0 path: _____
 - b. `cd Bin`
 - c. `/MSMVal.sh Java_home_path` (for example, `./MSMVal.sh /usr/lpp/java/J7.0`)

After the tool completes, it presents the Verification Report created in the Bin directory (file MSMPre-RequisiteVerificationReport.txt) using the `obrowse` command. This report provides a summary of the validation of the software, network, and security prerequisites.
4. Verify that all prerequisites show complete before proceeding.
5. Shut down CA MSM Version 5.0 address spaces. In CA MSM, select the Unmount at Shutdown check box under Settings > System Settings > Mount Point Management.
6. Unmount the CA MSM file system for Version 5.0.

7. Create a CA CSM Release 5.1 file system and mount it at the previous mount point for CA MSM Version 5.0. For example, create four new directories (mpm, msm, msruntime, msinstall) on /u/users/msmserv.

Note: msmtmp is no longer required in CA CSM Release 5.1.

8. Create the CA CSM Release 5.1 mount point (/u/users/msmserv/r51).
9. Mount the CA MSM Version 5.0 file system to the new mount point created in the previous step, /u/users/msmserv/v50.
10. Edit /u/users/msmserv/v50/msm/CEGPHFS/MSMSetupOptionsFile.properties to change:
 - MPMPATH to the new CA MSM Version 5.0 directory path (/u/users/msmserv/v50/msm)
 - RunTimeUSSPath to the new CA MSM Version 5.0 directory path (/u/users/msmserv/v50/msruntime)

11. Download the CA CSM Release 5.1 installer pax file into the msinstall path.
12. Unpax the CA CSM Release 5.1 installer to the msinstall path with the following commands:

```
cd /u/users/msmserv/msinstall  
pax -rvf pax_file_name
```

13. Run UNZIPJCL from the /u/users/msmserv/msinstall/MSMInstaller directory.
14. Run from the MSMSetup directory to create MSMSetupOptionsFile.properties for CA CSM Release 5.1:

```
sh MSMSetup.sh copyOPT /u/users/msmserv/v50/msm
```

- a. Modify as needed to reflect the new CA CSM Release 5.1 parameters. The JAVAPATH option should reflect the path that was specified in Step 2a.
- b. Specify the previous CA MSM release SMP/E USS target path for the keyword PreviousRelease.MSMPATH.
- c. Confirm that the keywords MVSHFSDsnPrefix and MountPath are the same values as specified in the previous release.

New keywords for CA CSM Release 5.1

safResourceClass
TempSpaceCleanupInterval

Removed keywords from CA CSM Release 5.1

USSTempDwnldPath (replaced by TempSpaceCleanupInterval)
sisServerUnpaxTempDir (replaced by TempSpaceCleanupInterval)

15. Run from the MSMSetup directory to install CA CSM Release 5.1 (select A for auto mode, or R for review mode):

```
sh MSMSetup.sh
```

16. Run job CSMUxx08, where xx is the previous release number. For example, if you are upgrading from CA MSM Version 5.0, run job CSMU5008.
17. Run job CSMU5009 (follow the example from step 14 of upgrading from CA MSM Version 5.0).
18. Run job CSMU5010 (follow the example from step 14 of upgrading from CA MSM Version 5.0).
19. Start the CA CSM Release 5.1 MUF address space by submitting MSMMUFS from the installed CA CSM Release 5.1 run-time JCL PDS.
20. Start the CA CSM Release 5.1 MSMDBSRV address space by submitting MSMDBSVS from the installed CA CSM Release 5.1 run-time JCL PDS.
21. Start the CA CSM Release 5.1 MSMTCSRU address space by submitting member MSMTCSRU.

Note: This job runs only once to synchronize values in the database from the previous release to the required values of the CA CSM Release 5.1 release. After that, you will use member MSMTCSRU.

22. Log in to CA CSM Release 5.1 and verify that all previous CA MSM data is available under CA CSM Release 5.1.

Note: For information about updates that may be required for the CA CSM System Software Acquisition settings for proxy servers, see the *Administration Guide*.

23. Migrate the CA CSM Release 5.1 SMP/E environment into CA CSM.
24. Remove the CA MSM Version 5.0 SMP/E environment from CA CSM through the SMP/E Environments tab.
25. Rename the CA MSM Version 5.0 procedures and copy the new procedures from CA CSM Release 5.1 PROCLIB into the production library.
26. Update MSMTCSRU to remove the DBUPDATE DD reference.
27. Update PROGxx with new CA CSM Release 5.1 CAAXLOAD and CUSLIB.
28. Update BPXPRMxx with new CA CSM Release 5.1 file systems.
29. Update CAS9 with new CA CSM Release 5.1 CAAXLOAD and remove CA MSM Version 5.0 CAAXLOAD.
30. Apply the latest cumulative CA CSM maintenance.
31. (Optional) If you are using or planning to use CA CSM Software Deployment Service and Software Configuration Service, install a new CA Common Services for z/OS FMID, CETN500.

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

32. When CA MSM Version 5.0 data is no longer needed, perform the following actions:
 - a. Unmount the CA MSM V5.0 file system at /u/users/msmserv/v50 and delete the file system data set.
 - b. Delete the USS directory /u/users/msmserv/v50 (and all child directories).
 - c. Delete all old CA MSM Version 5.0 SMP/E and run-time data sets.
 - d. Remove CA MSM Version 5.0 CAAXLOAD and CUSLIB data sets from PROGxx.

Note: Delete only the CA MSM V5.0 file system. The file systems that were dynamically created by CA CSM do not need to be retained.

You have completed upgrading CA CSM.

Important! If you can run the latest CA CSM release successfully, do not use the previous release anymore. The new release uses the same file systems and mount points as the previous release. If, after a successful upgrade and normal usage of the latest CA CSM environment, you use the previous release, any changes that you make in one release will not be reflected in the other release because the previous release data is isolated from the new release data. Use caution when attempting to use a previous CA CSM release after using the latest release.

How to Upgrade CA CSM for a Multiple File System

1. From the Download Center on [the CA Support Online website](#), download the CA CSM Release 5.1 Prerequisite Validator pax file (51000068XU1.pax.Z) to an existing USS directory on the LPAR where CA CSM will be installed.
2. Unpax the file:
 - a. Enter TSO OMVS
 - b. `cd path_where_pax_file_was_downloaded`
 - c. `pax -rvf 51000068XU1.pax.Z`

3. Execute the Prerequisite Validator and review the Prerequisite Verification Report.

Note: This command requires a minimum TSO region size of 196608 KB (192 MB) and fails if the region is not available.

- a. Java 7.0 path: _____
- b. `cd Bin`
- c. `/MSMVal.sh Java_home_path` (for example, `./MSMVal.sh /usr/lpp/java/J7.0`)

After the tool completes, it presents the Verification Report created in the Bin directory (file MSMPre-RequisiteVerificationReport.txt) using the `obrowse` command. This report provides a summary of the validation of the software, network, and security prerequisites.

4. Verify that all prerequisites show complete before proceeding.
5. Shut down CA MSM Version 5.0 address spaces. In CA CSM select the Unmount at Shutdown check box under Settings > System Settings > Mount Point Management.
6. Create the following CA CSM Release 5.1 directories:
 - `msm (/u/users/msmserv/r51/msm)`
 - `msmruntime (/u/users/msmserv/r51/msmruntime)`
 - `msminstall (/u/users/msmserv/r51/msminstall)`
7. Create the CA CSM Release 5.1 file systems:
 - `msm`
 - `msmruntime`
 - `msminstall`Mount the new file systems at:
 - `/u/users/msmserv/r51/msm`
 - `/u/users/msmserv/r51/msmruntime`
 - `/u/users/msmserv/r51/msminstall`.
8. Download the CA CSM Release 5.1 installer pax file into the `/u/users/msmserv/r51/msminstall` path.

9. Unpack the CA CSM Release 5.1 installer to /u/users/msmserv/r51/msminstall path.

```
pax -rvf pax_file_name
```

10. Run UNZIPJCL from the msmserv/r51/msminstall/MSMInstaller directory.

11. Run from the MSMSetup directory to create MSMSetupOptionsFile.properties for CA CSM Release 5.1:

```
sh MSMSetup.sh copyOPT /u/users/msmserv/v50/msm
```

- a. Modify as needed to reflect new CA CSM Release 5.1 parameters. The JAVAPATH option should reflect the path that was specified in Step 2a.
- b. Specify the previous CA MSM release SMP/E USS target path for the keyword PreviousRelease.MSMPATH.
- c. Confirm that the keywords MVSHFSDsnPrefix and MountPath are the same values as specified in the previous release.

New keywords for CA CSM Release 5.1

safResourceClass

TempSpaceCleanupInterval

Removed keywords from CA CSM Release 5.1

USSTempDwnldPath (replaced by TempSpaceCleanupInterval)

sisServerUnpaxTempDir (replaced by TempSpaceCleanupInterval)

12. Run from the MSMSetup directory to install CA CSM Release 5.1 (select A for auto mode, or R for review mode):

```
sh MSMSetup.sh
```

13. Run job CSMUxx08, where xx is the previous release number. For example, if you are upgrading from CA MSM Version 5.0, run job CSMU5008.
14. Run job CSMU5009 (follow the example from step 11 of upgrading from CA MSM Version 5.0).
15. Run job CSMU5010 (follow the example from step 11 of upgrading from CA MSM Version 5.0).
16. Start the CA CSM Release 5.1 MUF address space by submitting MSMMUFS from the installed R5.1 runtime JCL PDS.
17. Start the CA CSM Release 5.1 MSMDBSRV address space by submitting MSMDBSVS from the installed CA CSM Release 5.1 runtime JCL PDS.
18. Start the CA CSM Release 5.1 MSMTCSRU address space by submitting member MSMTCSRU.

Note: This job runs only once to synchronize values in the database from the previous release to the required values of the CA CSM Release 5.1 release. After that, you will use member MSMTCSRV.

19. Log in to CA CSM Release 5.1 and verify that all previous CA MSM data is available under CA CSM Release 5.1.

Note: For information about updates that may be required for the CA CSM System Software Acquisition settings for proxy servers, see the chapter "Configuring FTP and HTTP Connections" in the *Administration Guide*.

20. Migrate the CA CSM Release 5.1 SMP/E environment into CA CSM.
21. Remove the CA MSM V5.0 SMP/E environment from CA CSM through the SMP/E Environments tab.
22. Rename the CA MSM V5.0 procedures and copy the new procedures from CA CSM Release 5.1 PROCLIB into the production library.
23. Update PROGxx with new CA CSM CA CSM Release 5.1 CAAXLOAD and CUSLIB.
24. Update BPXPRMxx with new CA CSM Release 5.1 file systems.
25. Update CAS9 with new CA CSM Release 5.1 CAAXLOAD and remove CA MSM Version 5.0 CAAXLOAD.
26. Apply the latest cumulative CA CSM maintenance.
27. (Optional) If you are using or planning to use CA CSM Software Deployment Service and Software Configuration Service, install a new CA Common Services for z/OS FMID, CETN500.

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

28. When CA MSM Version 5.0 data is no longer needed, perform the following actions:
 - a. Unmount the CA MSM Version 5.0 file systems at /u/users/msmserv/v50/msm, /u/users/msmserv/v50/msmruntime, and /u/users/msmserv/v50/msminstall (if it still exists) and delete associated file system data sets.

Note: Delete only the CA MSM Version 5.0 file systems. The file systems dynamically created by CA CSM need to be retained.
 - b. Delete the USS directory /u/users/msmserv/v50 (and all child directories).
 - c. Delete all CA MSM Version 5.0 SMP/E and run-time data sets.
 - d. Remove CA MSM Version 5.0 CAAXLOAD and CUSLIB data sets from PROGxx.
 - e. Remove CA MSM Version 5.0 file systems from BPXPRMxx member.

You have completed upgrading CA CSM.

If you can run the latest CA CSM release successfully, do not use the previous release anymore. The new release uses the same file systems and mount points as the previous release. If, after a successful upgrade and normal usage of the latest CA CSM environment, you use the previous release, any changes that you make in one release will not be reflected in the other release because the previous release data is isolated from the new release data. Use caution when attempting to use a previous CA CSM release after using the latest release.