

## CA MSM Installation Instructions for Migrations

### For multiple CA MSM file system configuration

1. Download the CA MSM Prerequisite Validator and unpax the file
  - From the Download Center on [the CA Support Online website](#), download the CA MSM V5.0 Prerequisite Validator pax file (50000068XU1.pax.Z) to an existing USS directory on the LPAR where CA MSM will be installed.
  - Unpax the file
    - i. Enter TSO OMVS
    - ii. `cd path_where_pax_file_was_downloaded`
    - iii. `pax -rvf 50000068XU1.pax.Z`
2. 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 will fail if region is not available.

- a. JAVA 6.0 path: \_\_\_\_\_
- b. `cd Bin`
- c. `./MSMVal.sh Java_home_path` (for example, `./MSMVal.sh /usr/lpp/java/J6.0`)
- d. Once the tool completes, it will present the Verification Report created in the Bin directory (file MSMPre-RequirementVerificationReport.txt) using the `obrowse` command.

**This report will provide a summary of the validation of the software, network, and security prerequisites. Verify that all prerequisites show complete before proceeding.**

3. Shut down CA MSM R4.1 address spaces (make sure that Settings → System Settings → Mount Point Management → Unmount at Shutdown parameter is enabled).
4. Create new V5.0 `msm`, `msmruntime`, and `msminstall` directories (`/u/users/msmserv/v50/msm`, `/u/users/msmserv/v50/msmruntime`, and `/u/users/msmserv/v50/msminstall`).
5. Create new CA MSM V5.0 file systems (`msm`, `msmruntime`, and `msminstall`); mount at `/u/users/msmserv/v50/msm`, `/u/users/msmserv/v50/msmruntime`, and `/u/users/msmserv/v50/msminstall`.
6. Download the CA MSM V5.0 installer pax file into the `/u/users/msmserv/v50/msminstall` path.
7. Unpax the V5.0 installer to `/u/users/msmserv/v50/msminstall` path.  
`pax -rvf pax_file_name`
8. Run UNZIPJCL from the `msmserv/v50/msminstall/MSMInstaller` directory.
9. Run from the `MSMSetup` directory:
  - a. `sh MSMSetup.sh copyOPT /u/users/msmserv/r41/msm` – to create `MSMSetupOptionsFile.properties` for CA MSM V5.0.
  - b. Modify as needed to reflect new CA MSM V5.0 parameters. All path names *should* reflect paths created in Step 2.

**Note:** Make sure you specify the previous CA MSM release SMP/E USS target path:  
`PreviousRelease.MSMPATH=`

**NEW variables for CA MSM V5.0**  
`TargetZoneName`

## CA MSM Installation Instructions for Migrations

DlibZoneName

10. Run from the MSMSetup directory:  
sh MSMSetup.sh – to install CA MSM V5.0
11. Rename old CA MSM R4.1 procs and copy from CA MSM V5.0 PROCLIB new procs into the production library.
12. Start new CA MSM V5.0 MUF address space.
13. Run from CA MSM V5.0 JCL PDS, MFNEW03 job.
14. Start new V5.0 MSMDBSRV address space.
15. Start new V5.0 MSMTTC address space.
16. Log in to CA MSM V5.0 and verify all previous CA MSM data is available under MSM V5.0.  
**Note:** For information about possible updates that may be required for the CA MSM System Software Acquisition settings related to proxy servers, see the chapter “Configuring FTP and HTTP Connections” in the *Administration Guide*).
17. Import the CA MSM V5.0 CSI into CA MSM.
18. Remove CA MSM R4.1 CSI from CA MSM SMP/E environment.
19. Update MSMTTC PROC to remove the DBUPDATE DD reference.
20. Update PROGxx with new V5.0 CAAXLOAD and CUSLIB.
21. Update BPXPRMxx with new V5.0 file systems.
22. Update CAS9 with new V5.0 CAAXLOAD and remove R4.1 CAAXLOAD.
23. Apply the latest cumulative CA MSM maintenance.
24. Install new CA Common Services FMID, CETN500, if you are using or planning to use CA MSM Software Deployment Service and Software Configuration Service.  
**Note:** For more information, see the *Administration Guide*.
25. When CA MSM R4.1 data is no longer needed, do the following:
  - a. Unmount CA MSM R4.1 file systems at /u/users/msmserv/r41/msm, /u/users/msmserv/r41/msmruntime, and /u/users/msmserv/r41/msminstall (if it still exists) and delete associated file system data sets.  
**Note:** Delete only the CA MSM R4.1 file systems. The file systems dynamically created by CA MSM need to be retained.
  - b. Delete USS directory /u/users/msmserv/r41 (and all child directories).
  - c. Delete all old CA MSM R4.1 SMP/E and run-time data sets.
  - d. Remove CA MSM R4.1 CAAXLOAD and CUSLIB data sets from PROGxx.
  - e. Remove CA MSM R4.1 file systems from BPXPRMxx member.

If you can run the latest CA MSM release successfully, you should not use the previous release anymore. The new release uses the same file systems and mount points as the previous release. If, after successful upgrade and normal usage of the latest CA MSM 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 MSM release after using the latest release.

## CA MSM Installation Instructions for Migrations

### For single CA MSM file system configuration

1. Download the CA MSM Prerequisite Validator and unpax the file
  - From the Download Center on [the CA Support Online website](#), download the CA MSM V5.0 Prerequisite Validator pax file (50000068XU1.pax.Z) to an existing USS directory on the LPAR where CA MSM will be installed.
  - Unpax the file
    - i. Enter TSO OMVS
    - ii. `cd path_where_pax_file_was_downloaded`
    - iii. `pax -rvf 50000068XU1.pax.Z`
2. 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 will fail if region is not available.

- a. JAVA 6.0 path: \_\_\_\_\_
- b. `cd Bin`
- c. `./MSMVal.sh Java_home_path` (for example, `./MSMVal.sh /usr/lpp/java/J6.0`)
- d. Once the tool completes, it will present the Verification Report created in the Bin directory (file MSMPre-RequirementVerificationReport.txt) using the `obrowse` command.

**This report will provide a summary of the validation of the software, network, and security prerequisites. Verify that all prerequisites show complete before proceeding.**

3. Shut down CA MSM R4.1 address spaces (make sure that Settings → System Settings → Mount Point Management → Unmount at Shutdown parameter is enabled).
4. Unmount the CA MSM file system for R4.1.
5. Create a new CA MSM V5.0 file system; mount at the previous mount point for R4.1 (that is `/u/users/msmserv`); create five new directories (`mpm`, `msm`, `msmruntime`, `msminstall`, `msmtmp`).
6. Create the new R4.1 mount point (`/u/users/msmserv/r41`).
7. Mount the CA MSM R4.1 file system to the new mount point created in Step 6, `/u/users/msmserv/r41`.
8. Edit `/u/users/msmserv/r41/msm/CEGPHFS/MSMSetupOptionsFile.properties` to change:  
MPMPATH= to new R4.1 directory path (`/u/users/msmserv/r41/msm`)  
RunTimeUSSPath= to new R4.1 directory path (`/u/users/msmserv/r41/msmruntime`)
9. Download the CA MSM V5.0 installer pax file into `msminstall` path.
10. Unpax the V5.0 installer to the `msminstall` path
  - a. `cd /u/users/msmserv/msminstall`
  - b. `pax -rvf pax_file_name`
11. Run UNZIPJCL from the `/u/users/msmserv/msminstall/MSMInstaller` directory.
12. Run from the `MSMSetup` directory:
  - a. `sh MSMSetup.sh copyOPT /u/users/msmserv/r41/msm` – to create `MSMSetupOptionsFile.properties` for CA MSM V5.0.

## CA MSM Installation Instructions for Migrations

- b. Modify as needed to reflect new V5.0 parameters. Path names will NOT need to change.  
**Note:** Make sure you specify the previous CA MSM release SMP/E USS target path:  
PreviousRelease.MSMPATH=  
**NEW variables for V5.0**  
TargetZoneName  
DlibZoneName
13. Run from the MSMSSetup directory:  
sh MSMSSetup.sh – to install CA MSM V5.0
14. Rename old CA MSM R4.1 procs and copy from CA MSM V5.0 PROCLIB new procs into the production library.
15. Start new V5.0 MSMMUF address space.
16. Run from CA MSM V5.0 JCL PDS, MFNEW03 job.
17. Start new V5.0 MSMDBSRV address space.
18. Start new V5.0 MSMTTC address space.
19. Log in to CA MSM V5.0 and verify all previous CA MSM data is available under CA MSM V5.0.  
**Note:** For information about possible updates that may be required for the CA MSM System Software Acquisition settings related to proxy servers, see the chapter “Configuring FTP and HTTP Connections” in the *Administration Guide*).
20. Migrate the CA MSM V5.0 CSI into CA MSM.
21. Remove the CA MSM R4.1 CSI from CA MSM SMP/E environment.
22. Update MSMTTC PROC to remove the DBUPDATE DD reference.
23. Update PROGxx with new V5.0 CAAXLOAD and CUSLIB.
24. Update BPXPRMxx with new V5.0 file system.
25. Update CAS9 with new V5.0 CAAXLOAD and remove R4.1 CAAXLOAD.
26. Apply the latest cumulative CA MSM maintenance.
27. Install new CA Common Services FMID, CETN500, if you are using or planning to use CA MSM Software Deployment Service and Software Configuration Service.  
**Note:** For more information, see the *Administration Guide*.
28. When CA MSM R4.1 data is no longer needed:
  - a. Unmount CA MSM R4.1 file system at /u/users/msmserv/r41 and delete the file system data set
  - b. Delete the USS directory /u/users/msmserv/r41 (and all child directories)
  - c. Delete all old CA MSM R4.1 SMP/E and run-time data sets
  - d. Remove CA MSM R4.1 CAAXLOAD and CUSLIB data sets from PROGxx.**Note:** Delete only the CA MSM R4.1 file system. The file systems dynamically created by CA MSM need to be retained.

If you can run the latest CA MSM release successfully, you should not use the previous release anymore. The new release uses the same file systems and mount points as the previous release. If, after successful upgrade and normal usage of the latest CA MSM environment, you use the previous release, any changes that you make in one release will not be reflected in the other

## **CA MSM Installation Instructions for Migrations**

release because the previous release data is isolated from the new release data. Use caution when attempting to use a previous CA MSM release after using the latest release.