Reverting IBM Content Manager 8.4.3 Fix Pack 3 for z/OS to a Prior Version

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After upgrading to IBM Content Manager for z/OS Version 8.4.3, you can revert to your previous version of Content Manager for z/OS as long as the previous version/release/modification does not exceed two levels. For example, reverting from V8.4.3 Fix Pack 3 to V8.4.1 Fix Pack 1 is supported, but reverting to V8.4 Fix Pack 1 is not.

Upgrade jobs (ICMMLSUP and ICMMRMUP) are provided to upgrade the library server and resource manager to a new version. The prolog section of each job instructs how to remove job steps that do not apply to your environment. After these two jobs run successfully, you will see the following changes:

- New or redefined library server store procedures.
- An updated library server database and resource manager database .
- An updated product version number, release number, and modification number for the library server and resource manager .

To revert to your previous version, use your previous version of the Content Manager load modules to access the updated library server database and resource manager database.

Because the toolkit component of Content Manager does not have a database, you can only revert the toolkit to its prior version/release/modification and to your prior customized configuration files.

Restriction: The database type cannot be changed. If you defined your database as EBCDIC, you must continue to use EBCDIC. The upgrade job does not support a change of the database type.

Recommendations:

- Implementations of new functions should be undone prior to reverting back to your previous version of Content Manager
- Use the previous version of the system administration client if the library server and resource manager are reverting back to the previous version.
- Upgrade the library server before upgrading the resource manager. If you are reverting to your previous version of Content Manager for z/OS, revert your Content Manager clients too.

The following procedures exemplify how to upgrade from Content Manager V8.4.1 to V8.4.3 and reverting to the V8.4.1 level. For any version after V8.4.3, you need to validate the member referenced in these procedures.

For simplicity, a SMP/E environment refers to data sets such as SMP/E data sets, target libraries, and distribution libraries. Installation data sets are SMP/E installation jobs, Content Manager installation jobs, data sets for user exits, and deferred DDL.

Preparation

1. Ensure that the Content Manager V8.4.3 software requirements are installed and configured.
2. Back up the inventory data sets that will be impacted by the installation of new version of Content Manager.
3. Back up your SMP/E environment including the resource manager and toolkit in the USS

directories. You will need them if you revert to your previous version. During the SMP/E installation, previous versions of FMIDs and any associated information will be deleted by the V8.4.3 FMID. ?ICM?.SICMxxxx datasets will be replaced with new content. Note that the SMP/E installation jobs will overwrite any files in the resource manager or toolkit directories managed by the SMP/E.

4. Back up the installation data sets
5. **Recommendation:** Prior to running ICMMLSUP and ICMMRMUP jobs, back up the library server and resource manager databases.
6. Keep a record of the content of the LSCURRENTVERION field in the ICMSTSYSCONTROL table and the RMCURRENTVERSION field in the ICMRMCONTROL table.

Upgrading from V8.4.1 to V8.4.3

1. Ensure that the SMP/E jobs ran successfully.
2. Modify the ICMMLSUP job in ?ICM?.SICMINS1 PDS by removing job steps from CM8400S0 to CM8401S2. Note that two new members, ICMMDRPP and ICMMCRTP, are introduced in V8.4.3.
3. Review every job step in ICMMLSUP, and modify as needed prior to submitting the job.
4. Modify and submit the library server V8.4.3 bind/grant jobs, including the ICMMBIND member which is used by ICMMLSBD job.
5. Modify and submit the library server V8.4.3 ACL job, ICMMCACL.
6. Ensure that the library server WLM proc is using V8.4.3 modules.
7. Rebuild DB2 views for all of the Content Manager component tables by running the cmcfglsi -t predefs command and the cmcfglsi -t comptypes command.
8. Validate the library server upgrade by running your in house test cases.
9. Modify and submit the ICMMRMUP job in ?ICM?.SICMINS2.
10. Modify and submit the resource manager V8.4.3 bind/grant jobs. Note that the bind job differs if your library server and resource manager use different DB2 subsystems.
11. Ensure that the resource manager HTTP proc is using V8.4.3 modules in a PDS or in HFS.
12. Validate the resource manager upgrade by running your in house test cases.

Recommendation: Do not use any new functions introduced by the new version of Content Manager until you are completely satisfied with the upgrade. For example, if you decided to implement the space-optimized ACL mode in V8.4.3, then you would have set it back to the space-optimized ACL mode prior to reverting back to V8.4.1. Therefore, if you have to implement any new functions, ensure that you know how to reverse the implementations.

Reverting from V8.4.3 to V8.4.1

1. Drop the V8.4.3 library server stored procedures, functions, and alias.
   If your upgraded library server version is V8.4.3 FP3 or earlier, you need to remove the DROP DATABASE statement in the ICMMLSDR job prior to running it.
2. Set the content of the LSCURRENTVERION field in the ICMSTSYSCONTROL table and the RMCURRENTVERSION field in the ICMRMCONTROL table to 8.04.01.000 for 8.4.1 code (the 000 represents the fix pack level).
3. Restore the previous SMP/E environment and related installation data sets. Note that the rest of the steps refer to the original modified V8.4.1 jobs and data sets that you were

using before installing the new version of Content Manager.

4. Define V8.4.1 stored procedures, functions and alias.
   If you are reverting to a version of library server that is V8.4.3 FP3 or earlier, you need to add the CREATE ALIAS ?CREATOR?.ICMFICTITIOUS FOR SYSIBM.SYSDUMMY1 statement before you submit the ICMSTPR job step in the ICMMLSCR job.
5. Submit the library server bind/grant jobs.
6. Submit the library server ACL job, ICMMCACL.
7. Ensure that the library server WLM proc is using V8.4.1 modules
8. Rebuild DB2 views for all of the Content Manager component tables by running the cmcfglsi -t comptypes command.
9. Validate the reverted library server by running your in house test cases .
10. Submit the resource manager bind/grant jobs. Note that the bind job differs if your library server and resource manager use different DB2 subsystems.
11. Ensure that the resource manager HTTP proc is using V8.4.1 modules in a PDS or in HFS.
12. Validate the reverted resource manager by running your in house test cases.