IBM Content Manager OnDemand for z/OS V10.1
README
May 4, 2018

The Content Manager OnDemand for z/OS Home Page

The Content Manager OnDemand for z/OS home page can be reached at
http://www.ibm.com/software/data/ondemand/390

1. Upgrading from V9.0.0 to V10.1.0

Customers upgrading to Content Manager OnDemand for z/OS V10.1.0 from Content Manager OnDemand for z/OS V9.0.0 will need to perform the following actions for each server being upgraded to V10.1.0.

DATABASE UPGRADE STEP

Upgrading customers will need to perform the following steps before accessing the existing Content Manager OnDemand V9.0.0 database using Content Manager OnDemand V10.1.0. Customers will need to have a database backup and recovery plan implemented prior to performing this procedure.

1. If ODF is installed, use the ODF monitor to ensure there are no distributions processing. The upgrade involves dropping and creating the ODF operational tables.
2. Stop all Content Manager OnDemand activity on databases being upgraded to V10.1.0.
3. Customize and execute the ARSTSPCF member of SARSINST to create the additional tablespaces added in v9.5.0.

4. Backup the Content Manager OnDemand database or make sure a current backup is available.
5. With a writable directory as the current working directory, run the following commands located in the /usr/lpp/ars/V10R1M0/bin directory for each Content Manager OnDemand server instance being upgraded to Content Manager OnDemand V10.1.0: (Note that receiving a -551 sqlcode when dropping a nonexistent index is normal.)
    1. If ODF is installed, run "arsdb -I <instance_name> -vx ARSDFBDT" to export the table.
    2. If ODF is installed, run "arsdb -I <instance_name> -vd ARSDFBDT" to drop the table.
    3. If ODF is installed, run "arsdb -I <instance_name> -vrt ARSDFBDT" to create the table.
    4. If ODF is installed, run "arsdb -I <instance_name> -vi ARSDFBDT" to import the table.
    5. If ODF is installed, run "arsdb -I <instance_name> -vd ARSDFDRT ARSDFDST ARSDFPPT" to drop the ODF operational tables.
    6. If ODF is installed, "arsdb -I <instance_name> -vrt ARSDFDRT ARSDFDST ARSDFPPT" to create the ODF operational tables.
    7. Run "arsdb -I <instance_name> -vu" to perform additional table updates.
    8. Run "arsdb -I <instance_name> -efv" drop the indexes.
    9. Run "arsdb -I <instance_name> -rv" recreate the indexes.
    10. Run "arsdb -I <instance_name> -mv" run maintenance and update statistics.

2. Upgrading from V9.5.0 to V10.1.0

Customers upgrading to Content Manager OnDemand for z/OS V10.1.0 from Content Manager OnDemand for z/OS V9.5.0 will need to perform the following actions for each server being upgraded to V10.1.0.

DATABASE UPGRADE STEP

Upgrading customers will need to perform the following steps before accessing the existing Content Manager OnDemand V9.5.0 database using Content Manager OnDemand V10.1.0. Customers will need to have a database backup and recovery plan implemented prior to

performing this procedure.

1. Stop all Content Manager OnDemand activity on databases being upgraded to V10.1.0.
2. Backup the Content Manager OnDemand database or make sure a current backup is available.
3. Run the following commands located in the /usr/lpp/ars/V10R1M0/bin directory for each Content Manager OnDemand server instance being upgraded to Content Manager OnDemand V10.1.0: (Note that receiving a -551 sqlcode when dropping a nonexistent index is normal.)
    1. Run “arsdb -I <instance_name> -vu” to perform additional table updates.
    2. Run “arsdb -I <instance_name> -efv” drop the indexes.
    3. Run “arsdb -I <instance_name> -rv” recreate the indexes.
    4. Run “arsdb -I <instance_name> -mv” run maintenance and update statistics.

3. Enhancements

For information about the new enhancements to IBM Content Manager OnDemand for z/OS in V10.1, see Technote 7021523 - "What's new in Content Manager OnDemand" available by going to http://support.ibm.com and searching on the Technote number.

4.AMODE 64 and exits

With IBM Content Manager OnDemand for z/OS V10.1, most components of Content Manager OnDemand run AMODE 64. In order to minimize the impact of requiring that the various Content Manager OnDemand exits be recompiled for AMODE 64, a compatibility interface has been provided for a select set of exits to allow them to continue to be called AMODE 31. Note that there is overhead to using this compatibility interface which can be eliminated by using AMODE 64 exits.

The following exits will be invoked AMODE 31 if the module is marked AMODE 31:

1. arsuupdt DLL
2. arsusec DLL
3. arsuperm DLL
4. 390 indexer INPUT exit

5. 390 indexer INDX exit
6. 390 indexer ANY exit
7. arsodfxa DLL
8. arsodfxb DLL
9. arsodfxm DLL

The exits associated with the ARS.PTGN dynamic exit for passtickets and ARSLOG dynamic exit continue to be invoked AMODE 31.

Exits associated with ARSYSPIN are still invoked AMODE 31.

Any other exits will fail to be invoked if not recompiled to be AMODE 64

The supplied sample arsuupdt, arsusec, and arsuperm are currently still AMODE 31. It is expected that, some time in the future, the samples will be converted to AMODE 64 where possible.

One of the consequences of the compatibility interface is that the exits are invoked on a separate TCB, and not by the same TCB that is requesting the exit be invoked. This can have an impact on exits that, for example, expect to be invoked with a DB2 PLAN already open.

5. OS/390 Indexer exits

Starting with V10.1, the OS/390 Indexer invokes its exits via the same DLL mechanism as the other Content Manager OnDemand exits. In other words, the exits must be compiled as DLLs, and the DLLs must reside in the Unix System Services file system. The DLL versions of the OS/390 Indexer exits also have a different set of parameters which are specified in SARSINST(ARSL390X). The DLL versions of the OS/390 indexer exits can only be invoked AMODE 64.

For compatibility with prior releases, the exits can reside in a load library. If they reside in a load library, they are not DLLs, they are only invoked AMODE 31, and they will only be

passed the old style parameters. The old style parameters are specified in the SARSINST ARSANYBK, ARSINDBK, ARSINPBK, and ARSIN2BK members.

6. z/OS 2.3

Note: For ODF customers upgrading to z/OS 2.3, ODF connects to an SMTP server to send emails. On z/OS that SMTP server functionality can be provided by SMTPD. With z/OS 2.3, the SMTPD functionality has been removed. If you had configured ODF to use the SMTPD on z/OS, you will need to configure ODF to use an SMTP server on another operating system platform, such as Linux on System Z. Please note that CSSMTP is not an SMTP server and cannot be used as one.