IMS Fast Path DEDB database workflow for z/OSMF readme

Contents

Overview

With the IMS Fast Path DEDB database workflows you can rapidly provision or deprovision a DEDB database in an existing IMS system by using the IBM® z/OS® Management Facility (z/OSMF).

The DEDB database workflows include the following files:

- The provision_IMS_DEDB.xml file
- The deprovision_IMS_DEDB.xml file
- The IMS_DEDB_Input_Variables.properties file

This readme file provides details of the DEDB database provision and de-provision z/OSMF workflows and their associated files, including customization steps and pre-requisites.

You can find the z/OSMF documentation at http://www.ibm.com/support/knowledgecenter/search/IBM%20z%2FOS%20Management%20Facility?scope=SSLTBW

Pre-requisites

1) An existing IMS system
2) Identify the z/OS and IMS system parameters

3) The workflow files are installed in a suitable USS directory.
4) z/OSMF must be started. Both the angel and server z/OSMF address spaces must be started and the z/OSMF Web User Interface (WUI) up and running.

Security requirements

1) RACF ready authority on SMP/E installed IMS libraries
2) RACF update authority on HLQs the user chooses to use for IMS instance libraries

Customization

You can customize the characteristics of the DEDB database by using the IMS_DEDB_Input_Variables.properties file. Do not modify the workflow XML.

Provision_IMS_DEDB.xml

The Provision_IMS_DEDB.xml workflow provisions an IMS Fast Path DEDB database. The workflow includes a variables file called IMS_DEDB_Variables.xml that defines the variables that are referenced by the steps in the workflow. A properties file called IMS_DEDB_Input_Variables.properties is also associated with the workflow. The properties file contains values from the variables that are referenced in the workflow. The workflow consists of 6 main steps, most of which contain sub-steps.

Step	Description	JCL
1	Environmental variable information gathering	
2	Allocate datasets for DB deployment	
3	Database Deployment	
3.1	Create DB Structure	
3.2	Compile/Link IMS Database Descriptor definition	
3.3	Create the IMS Program Specification definitions	
3.4	Compile and link the IMS program specification block	
3.5	Perform ACBGEN for the DBD and PSB	
3.6	Allocate Database datasets	
3.7	DBRC Definitions (DBRC INIT)	
3.8	Initialize Database datasets	
3.9	Define IMS Database for Dynamic Allocation	
3.10	Define IMS Dynamic Allocation for staging ACBLIB	
4	IMS Resource Definitions for your Database	
4.1	Define your program access (PSB) to IMS	
4.2	Define your Database to IMS	
4.3	Prepare Inactive ACBLIB for OLC	
4.4	Bring online all IMS application-related definitions	
5	Start all the IMS Resources	
5.1	Start IMS Database	
5.2	Load and initialize the IMS Database	
5.3	DBRC Processing (DBRC IC)	
6	IMS Cloud Database deployed. Clean up installation files	

Deprovision_IMS_DEDB.xml

The Deprovision_IMS_DEDB.xml workflow deprovisions an IMS Fast Path DEDB database.

Step	Description	JCL
1	Environmental variable information gathering	
2	Stop DB	
3	Delete program resources	
4	Delete database resources	
5	Prep ACBLIB for OLC	
6	INITIATE OLC PHASE(PREPARE)	
7	INITIATE OLC PHASE(COMMIT)	
8	Delete from DBRC	
9	Clean up data sets	

IMS_DEDB_Input_Variables.properties

The IMS_DEDB_Input_Variables.properties file can contain the properties that are shown in the following table.

The properties file contains default values for some of these variables, but you need to customize others.

Property	Remarks
DFS_PSBNAME	DB PSB name
DFS_IMS_SSID	SSID of existing IMS
appname	Name of application for new DB
zCloud_IMSODBM	
zCloud_PORTIDSuf	
DFS_IMSPlex	IMS Plex name
zCloud_IMSXCFGroup	IMS Coupling Facility group
zCloud_IMS_CRC	Command Recognition Character
zCloud_IMS_LINEGRP	DC Terminal Unit Type
zCloud_VTAM_IMSAPPLID	IMS APPLID
DFS_AUTH_LIB_HLQ	HLQ for IMS installation libraries
DFS_AUTH_LIB_HLQ2	2nd level HLQ for IMS instance datasets to read/write
IXUSSCLS	
IXUSMCLS	
DFS_DS_VOLUME1	Dataset Volume
DFS_DS_VOLUME2	Dataset Volume
zCloud_IMSDEV	
zCloud_IMSDEV2	
zCloud_LERuntime	Language Environment Runtime dataset
zCloud_MACLIB	z/OS Macros Library
zCloud_LPALIB	z/OS LPA Library
zCloud_PROCLIB	IMS PROC Library
zCloud_MODGEN	z/OS MODGEN Library
zCloud_CSSLIB	Z?OS PROC Library
zCloud_VTAM_Procedure	VTAM Procedure
DFS_VTAM_NODE_IMSMTO	VTAM Node for IMS MTO
DFS_VTAM_NODE_IMSND1	VTAM Node for IMS Terminal 1

DFS_VTAM_NODE_IMSND2	VTAM Node for IMS Terminal 2
zCloud_TCBIPLinklib	TCP/IP Load Library
IXUSTIM1	EXEC time parameter for SMP/E, SYSDEF STAGE1
IXUSTIM3	EXEC time parameter for MPPs, IFPs, IRLM, VTAM
DFS_IMS_USERID	IMS User ID
IXUTZONE	IMS SMP/E Target Zone ID
IXUGZDSN	IMS SMP/E Global Zone CSI
DFS_MOUNTPOINT	Mount Point for Unix Files
DFS_FSTYPE	File System for Unix Files
DFS_IMS_SECURITY	True/False to use SMS managed DASD for IMS libraries