

The OLR System[®]

Release 3.0

Installation Guide



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Contents

| | |
|--|-----------|
| Chapter 1 Installing the OLR System | 5 |
| Overview | 6 |
| 1. Unload the first dataset | 7 |
| 2. Unload the rest of the datasets | 7 |
| 3. Link the OLR load modules | 8 |
| 4. Install the OLR Server..... | 9 |
| 5. Set the system parameters | 11 |
| 6. Load CICS definitions | 13 |
| 7. Install the CICS Intercept..... | 14 |
| 8. Test the OLR CICS Intercept..... | 16 |
| Chapter 2 Reference Information | 19 |
| Files on the OLR Installation Cartridge | 20 |
| DASD Space Requirements | 21 |
| MRO Considerations..... | 24 |
| CICS/ESA Release 3.2 Considerations | 25 |
| Overriding OLR Tranids | 26 |
| Print Considerations..... | 26 |
| OLR Language Support..... | 26 |

Chapter 1 Installing the OLR System

This chapter provides step-by-step instructions for installing Release 3.0 of the OLR System, including the following steps:

- unloading the first dataset
- unloading the rest of the datasets
- linking the OLR load modules
- installing the OLR Server database
- setting the system parameters
- loading CICS definitions
- installing the OLR CICS Intercept

Overview

This procedure applies if you are installing the OLR System (OnLine Reference, OnLine Help, and/or OnLine Notepad) for the first time.

In following this process to install the OLR System, you will:

- create the load libraries required to run the OLR System
- create the OLR Server database and load it with its initial data
- define the OLR System in your CICS environment

The Release 3.0 upgrade for the OLR System is available on a standard label tape cartridge.

1. Unload the first dataset

Create an IEBCOPY job to read the first dataset from the install cartridge:

```
//JOBNAME JOB 'Unload OLR System',CLASS=X,MSGCLASS=X
//OLRCOPY PROC TAPUNIT='CTAPE',
//          OLRTVOL='DR608I',
//          OLRPDS='YOUR.DBAOLR.CNTL',
//          OLRDVOL='XXXX',
//          DUNIT='SYSDA',
//          SYSOUT='*'
//*
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=&SYSOUT
//INTAPE DD DSN=DBAOLR.INSTALL.TAPEF01,DISP=(OLD,PASS),
//          UNIT=&TAPUNIT,
//          VOL=SER=&OLRTVOL,
//          LABEL=(1,SL)
//OUTPDS DD DSN=&OLRPDS,DISP=(NEW,CATLG,DELETE),
//          UNIT=&DUNIT,
//          VOL=SER=&OLRDVOL,
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=3120),
//          SPACE=(3120,(65,30,5),RLSE)
//*
// PEND
//RUN EXEC OLRCOPY
//STEP1.SYSIN DD *
COPY OUTDD=OUTPDS,INDD=INTAPE
/*
```

1A. Edit the job card and proc statement to conform to your site naming standards.

1B. Run the job.

The resulting CNTL dataset will contain the member DBXUNLDI used for unloading the remaining files.

2. Unload the rest of the datasets

2A. Prepare the JCL.

Tailor the DBXUNLDI member in the CNTL dataset copied from tape in Step 1.

You may need to edit the JCL further before submitting it if you have any special site requirements which apply.

2B. Run the job.

Upon completion, 30 additional datasets will have been created.

3. Link the OLR load modules

3A. Allocate Load Libraries

The OLR System requires separate load libraries for its online and batch modules. You will need to allocate two new load libraries.

- **YOUR.DBAOLR.CICS.LOADLIB**
must be at least 160 tracks (3380) with 40 directory blocks.
- **YOUR.DBAOLR.BATCH.LOADLIB**
must be at least 100 tracks (3380) with 20 directory blocks.

3B. Tailor the DBXLINK member in the CNTL dataset

Tailor the DBXLINK member in the CNTL dataset.

If you are running in CICS/ESA Release 3.3 or above, concatenate link card for **DBXUT074** for first step; exclude link card for **DBXUT074** in second step.

If you are not running in CICS/ESA Release 3.3 or above, concatenate link card for **DBXUT074** for second step; exclude link card for **DBXUT074** in first step.

3C. Run the job.

Upon completion, all OLR System programs will be linked.

4. Install the OLR Server

The OLR Server Database installation procedure includes DB2 related activities.

4A. Verify your authorizations

Ensure that your TSO userid has authority to create datasets under the high level qualifier defined in the VCAT parameter of the Create Stogroup statement (if you are installing using Storage Groups) or of the Create Tablespace statement (if you are not). Authorization will be required if your site uses a system security package such as RACF, Top Secret, or ACF2.

You will also need to have access to DB2 and the IBM sample DB2 “batch SPUFI” program DSNTIAD.

4B. Install the database

When defining a DB2 database, you can let DB2 create and manage the VSAM datasets where the data is actually stored (using DB2 Storage Groups) or you can do it yourself. This installation process provides instructions for creating the OLR Server database using either method.

If your site does not use Storage Groups, skip to step 4D.

Edit the **DSNSPUFI**, **DBCRDBSG** and **DBGRANT** members in the **CARDS** dataset.

Tailor the **DB2CRDB** member in the **CNTL** dataset.

Since the DB2CRDB job will create the OLR Server Database and storage groups, it must be run by someone with DB2 SYSADM authority.

Have the SYSADM user run the job. Upon completion, the OLR Server Database and storage groups will have been created, and you (as the installer) will have been granted privileges on these objects. BINDADD authority will also have been granted to the installer.

4C. Create Tablespaces, tables and indexes

Tailor the **DB2CRTBI** member in the **CNTL** dataset.

Edit each of the 23 members of the **CARDS** dataset referenced as SYSIN in **DB2CRTBI** to ensure the database and storage group are correct.

Run the job.

Upon completion, the OLR/Server DB2 tablespaces, tables, and indexes will have been created.

Skip to step 4G.

4D. Install the database without using storage groups

Edit the **VSAMDEF** member in the **CARDS** dataset. Be sure to replace “**VCATNAME**” in all CATALOG and NAME statements.

Tailor the **VSAMALLO** member in the **CNTL** dataset.

Run the job.

Upon completion, the OLR Server Database VSAM files will have been created.

4E. Create the database

Edit the **DSNSPUFI**, and **DBGRANTV** members in the **CARDS** dataset.

Tailor the **DB2VRDB** member in the **CNTL** dataset. **Because the DB2VRDB job will create the OLR/Server Database, it must be run by someone with DB2 SYSADM authority.**

Have the SYSADM user run the job.

Upon completion, the OLR Server Database will have been created, and you (as the installer) will have been granted privileges on these objects. BINDADD authority will also have been granted to the installer.

4F. Create Tablespaces, tables and indexes

Edit each of the 23 members in the **CARDS** dataset that start with **VDBCR...**

Tailor the **DB2VRTBI** member in the **CNTL** dataset.

Run the job.

Upon completion, the OLR Server DB2 tablespaces, tables, and indexes will have been created.

4G. Load the database

Edit the **RUNSTAT** member in the **CARDS** dataset.

Tailor the **DB2LDTBI** member in the **CNTL** dataset. Be sure to replace **“YOUR.DBAOLR.xxx”** in all SYSREC statements.

Run the job.

Upon completion, the OLR Server tables will have been loaded with initial data.

A Runstats will also have been executed to update the table and index statistics in the DB2 catalog.

Note: *Since the demo data volume is small, the LOG parameter in the load control cards is set to YES, which does not require an image copy or set the copy pending status flag.*

4H. Bind DB2 plans

Edit the **DSNBIND** member in the **CARDS** dataset. Be sure to replace **“YOUR.DR608I.DBRMLIB”** in all LIB statements.

Tailor the **DB2BIND** member in the **CNTL** dataset.

Run the job.

Upon completion, the OLR Server plans will have been bound and execute access to the plans will have been granted to PUBLIC.

5. Set the system parameters

You will need to assemble and link a Sysparms table into your new load library. The source for the Sysparms table is in member **DBXORSIT** in your **TABLES** library.

The source member provides default values for most parameters.

5A. Define required System Parameter Table entries

The following parameters in the OLR System Parameters Table must be set as part of the installation.

1. Include statements for these parameters in the **ORSYSPRM TYPE=INITIAL** statement.

| Parameter | Description |
|-----------------|--|
| PASSWORD | provides the authorization password for your CPU. Contact DBA Software or your local distributor for this password. |
| EXPDT | provides the expiration date for a trial installation. This entry is not used when you have licensed the product. |
| FEATURES | specifies features list for this installation (OLR, OLH, OLN, APD). |
| CASE | sets the default value for terminal case mode when using the OLR System. If you set this to 'L', the OLR System will automatically toggle the keyboard to upper/lower case while OLR is in use, then return it to its initial setting when the user returns to the application. I Case Change inhibited (this is the required setting for CICS 3.2) U Upper case. All input will be translated to upper case L Lower case enabled. (characters are accepted as keyed). Since the OLR System manages text documents, the 'L' setting is preferred. |
| DFLTUSER | defines the userid to be passed to the OLR System when a user who has not signed on to CICS is using it. |
| MRO | YES/NO indicates whether the OLR System will be running in an MRO configuration with separate TOR and AOR configurations. If you set this to YES, other settings need to be provided. See the OLR System Customization Guide for the MRO configuration steps. |

2. Include a **TYPE=SYSADM** statement for each System Administrator you want to designate.

Edit the **DBXORSIT** member in the **TABLES** library.

For an explanation of all settings in the Systems Parameters Table, see the OLR System Customization Guide.

5B. Create the load module.

Tailor the **ASMORSIT** member in the **CNTL** dataset. Run the job.

Upon completion, the **DBXORSIT** load module will have been linked into your load library.

DO NOT issue a **CEMT NEWCOPY** directly for **DBXORSIT**. Use the newcopy function in the System Administration Screen from the OLR System Main Menu. This will control and ensure that all current OLR System sessions will be synchronized with any updated system parameter setting.

6. Load CICS definitions

6A. Update CICS Definitions for CICS/ESA

If your site is not running CICS/ESA, skip this step.

Tailor the **DBXLDCSD** member in the **CNTL** dataset.

If your CICS environment is MRO you will need to run the **DBXLDCSD** job twice. Change the JCL to refer to the **DBXCSDAO** member when updating the CSD file used by your AOR and to the **DBXCSDTO** member when updating the CSD file used by your TOR

Tailor the **DBXCSDAO** and **DBXCSDTO** members in the **CARDS** dataset. Be sure to change “**XXXX**” to your SYSID in all REMOTESYSTEM statements.

If you are running with CICS storage protection on, you must add EXECKEY (CICS) program definitions of **DBXIS010** in both **DBXCSD** and **DBXCSDTO**.

You may need to make additional changes to the JCL before submitting it if you have any special requirements which apply.

Run the job. Upon completion, a group called OLR30 will have been created on your CSD file containing definitions for all OLR resources. (In an MRO environment, group OLR30AO is created in the CSD file for your AOR and group OLR30TO is created in the CSD file for your TOR).

Proceed to step 6C.

6B. Update CICS Definitions for non ESA CICS

The **CARDS** dataset contains **DBXPCT**, **DBXPCTAO**, **DBXPCTTO**, **DBXPPT**, **DBXPPTAO**, **DBXPPTTO**, **DBXFCT** and **DBXFCTTO** members. Use these to update your PPT, PCT and FCT as appropriate.

DBXPCTAO, **DBXPCTTO**, and **DBXFCTTO** will need to be tailored. Be sure to change “**XXXX**” to your SYSID for all occurrences of SYSIDNT=.

6C. Update RCT Definitions

Coordinate changes required for the RCT. The **DBXRCT** member of the **CARDS** dataset contains RCT entries for Release 3.0.

Re-assemble the RCT.

6D. Update TCT Definitions

If your site uses the OLR Online Print Facility, your CICS printers need to be defined in the TCT.

Re-assemble the TCT.

6E. Update DCT Definitions

If your site uses the destination routing option of the OLR Online Print Facility (**DESTTYPE=TDQ** in the **TYPE=INITIAL** entry of the Sysparms table), your transient data destinations need to be registered in the DCT.

Re-assemble the DCT.

6F. CICS RPL

Be sure to include a DD card for your OLR LOADLIB in the **DFHRPL** concatenation of your CICS run JCL.

7. Install the CICS Intercept

7A. Create the Intercept File

This step will create the OLR CICS Intercept file (OLRINT2). This VSAM file will eventually contain entries for transaction/PFKey combinations that will be used to access OnLine Help and OnLine Notepad from applications. Allow for sufficient space for anticipated file capacity.

Tailor the **DBXINT2** member in the **CNTL** dataset. Run the job.

Upon completion, the OLR CICS Intercept File will have been defined and loaded with intercept data for the OLR System Demo application.

This file must be defined in the CICS run JCL via DD card.

7B. Create the Intercept Table

The OLR CICS Intercept Table contains macro type entries used to set different parameters for the OLR CICS Intercept. The macro type entries are INITIAL and SYSTEM.

You may edit all or only some of the parameters in these macro type entries, depending on your site's needs and preferences. Edit the **DBXORGTB** member in the **TABLES** dataset to set the desired Intercept Parameter values.

For a single region install, include the following in the OLRITAB TYPE=SYSTEM statement:

| Parameter | Description |
|----------------|--|
| SYSTYPE | <u>S/A</u> specifies a single region installation. |
| SYSID | specifies the SYSID of the region where the OLR System will run. |

Include the following in the OLRITAB TYPE=INITIAL statement:

| Parameter | Description |
|-------------|---|
| BMSX | <u>YES/NO</u> specifies whether the region is running CICS 4.1 or later with the BMS extension. |

NOTE: The initial version of CICS 4.1 did not provide the BMS extension, which manages BMS information in a BMS Extension instead of the TCTTE.

IBM released the BMS Extension update in an APAR PN69050, and has added it to new CICS 4.1 installations.

If you are running CICS 4.1 with the BMS Extension feature, you must set BMSX to YES for proper handling of BMS screens.

If you need to install an MRO configuration, see the OLR System Customization Guide for the necessary parameter settings and installation procedure.

Tailor the **ASMGATB** member in the **CNTL** dataset.

Run the job.

Upon completion, the **DBXORGTB** load module table will have been updated. **DBXORGTB** is a resident module. If you newcopy the new load module in your CICS region, it will remove its residency and cause problems with OnLine Help and OnLine Notepad.

When you make changes to **DBXORGTB** and re-assemble it, you must wait for the CICS region to be recycled to pick up the new load module.

7C. Intercept activation

If you want the intercept to activate automatically whenever CICS comes up, include an entry in phase 2 of your CICS PLT for program DBXIS010.

If you don't do this, you must manually initialize the intercept via tranid OLRs each time CICS recycles.

7D. EXECKEY

Be sure that program **DBXIS010** has been defined to run in EXECKEY (CICS) if you are running CICS with storage protection on.

7E. CICS RPL

Be sure to include a DD card for your OLR LOADLIB in the **DFHRPL** concatenation of your CICS run JCL.

8. Test the OLR CICS Intercept

8A. Initialize the OLR CICS Intercept

Sign on to CICS using normal procedures.

From a clear screen, type **OLRS** and press [ENTER].

Press [F5] to initialize the OLR CICS Intercept. Your screen should look like the one below.

```

                                The OLR System                               93/01/21
                                Intercept System Status on Sysid CICS         AT 07:47:31

Status  ACTIVE  07:25:57 to 07:47:31 Init: ..0      Level: 12:33:50 01/20/93

Intercepts Total : ....0      Active: ....0      Faults: ....0 ....0
Total Slots Prime: ..509      Overflow: ..256   Detail: ..256
Active Prime      : ...53      Overflow: ....7   Detail: ...97

CICS=2.1.2      EXTDS='YES'      SYM='YES'      ALT='YES'      SYNC='NO'
TYPE S/A:CICS   GATB->513000      TERM=12       TRACE=24      TRACEM='YES'
API=X'00'      XTI='NO'      BMSX='YES'     PFKXL='YES'
S/A:CICS

INITIAL=IS01      IENTRY=IS03      RTRNDEF=IS05      RTRNALT=IS07
HOSTENT=OLRC      STATUS=OLRS      ABEND=IS0X      SEQTERM=IS02(?)

                Status Intercept File OLRINT2 Open      Enabled

Adds   : ....0      Updates: ....0      Deletes: ....0      Level: 12:33:50 01/20/93

F3=End          F5=Initialize      F7=Activate
F4=Trace Table  F6=Terminate       F8=Deactivate

```

Press [F3] to exit.

8B. Run the OLR System Demo application

From a clear screen, type **DEM1**, then press [ENTER].

Press [ENTER] again to take you past the welcome screen.

You should see the screen below.

```

                                SDAI - Policy Management System
                                Policyholder Information

                                Policy No: B0748365

Last name . . . . . BROCK
First name . . . . . ANITA

Address 1 . . . . . 111 PACIFIC AVE
        2 . . . . . WALNUT CREEK
        3 . . . . . CA 99598-3456

Telephone number . . ( 510 ) 555 - 3456

DOB . . . . . 08/15/61      (MM/DD/YY)
Sex . . . . . F            (M)ale (F)emale

Driver's license no . B9947638
Driver rating . . . . . A

```

| | | | | |
|---------|---------|------------|---------|-------------|
| F1=Help | F3=End | F5=NotePad | F7=Bkwd | F9=Policy |
| F2= | F4=Save | F6=AddNew | F8=Fwd | F10=Vehicle |

Tab to BROCK and press [F5] to invoke the OnLine Notepad.

If the CICS Intercept is functioning properly, your screen should look like the one below.

| | | | | | | | | | | | | | | |
|---|--------------------------------------|-----------------|-----------|---------------------|---------|--------|------------|---------|-----------|-----|---------|-----------|--------|-------------|
| SDAI - Policy Management System Policyholder Information | | | | | | | | | | | | | | |
| | | | | Policy No: B0748365 | | | | | | | | | | |
| Last name | BROCK | | | | | | | | | | | | | |
| First n | --- OnLine Notepad ----- | | | | | | | | | | | | | |
| Address | Topic B0748365 Qualifier .. | | | | | | | | | | | | | |
| Telepho | Choose an option and press <ENTER> | | | | | | | | | | | | | |
| DOB . . | 1. Read latest Note | 4. Read Topic | | | | | | | | | | | | |
| Sex . . | 2. View Note list | *. View Outline | | | | | | | | | | | | |
| | 3. Add a Note | | | | | | | | | | | | | |
| Driver' | F1=Help | F3=End | F6=Topics | | | | | | | | | | | |
| Driver | ----- | | | | | | | | | | | | | |
| <table border="0" style="width: 100%;"> <tr> <td>F1=Help</td> <td>F3=End</td> <td>F5=NotePad</td> <td>F7=Bkwd</td> <td>F9=Policy</td> </tr> <tr> <td>F2=</td> <td>F4=Save</td> <td>F6=AddNew</td> <td>F8=Fwd</td> <td>F10=Vehicle</td> </tr> </table> | | | | | F1=Help | F3=End | F5=NotePad | F7=Bkwd | F9=Policy | F2= | F4=Save | F6=AddNew | F8=Fwd | F10=Vehicle |
| F1=Help | F3=End | F5=NotePad | F7=Bkwd | F9=Policy | | | | | | | | | | |
| F2= | F4=Save | F6=AddNew | F8=Fwd | F10=Vehicle | | | | | | | | | | |

Press [F3] to exit OnLine Notepad.

Press [F3] again to exit the DEMO.

This completes the installation.

For more information about customizing the OLR System at your site, see the OLR System Customization Guide.

If you have questions or need information, contact DBA Software by phone at [510] 521-7300, by fax at [510] 521-7505, or by Email at support@dbasoft.com.

Chapter 2 Reference Information

This chapter contains:

- list of contents of install cartridge
- information about database DASD requirements
- miscellaneous installation considerations

Files on the OLR Installation Cartridge

The OLR System has been provided for you on a standard-label EBCDIC cartridge. The cartridge contains a total of 31 files. The first file contains a JCL member that will be used to read the other files.

| File Name | Contents |
|------------------------|--|
| DBAOLR.INSTALL.TAPEF01 | JCL for Installation Procedure |
| DBAOLR.INSTALL.TAPEF02 | Control Cards for Installation Procedure |
| DBAOLR.INSTALL.TAPEF03 | DBRM Modules for OLR/Server Programs |
| DBAOLR.INSTALL.TAPEF04 | Object Modules for the OLR System and OLR/Server |
| DBAOLR.INSTALL.TAPEF05 | Macro library |
| DBAOLR.INSTALL.TAPEF06 | Table source |
| DBAOLR.INSTALL.TAPEF07 | Copylib |
| DBAOLR.INSTALL.TAPEF08 | Sample programs |
| DBAOLR.INSTALL.TAPEF09 | Link control cards |
| DBAOLR.INSTALL.TAPEF10 | Batch link control cards |
| DBAOLR.INSTALL.TAPEF11 | QMF Reports |
| DBAOLR.INSTALL.TAPEF12 | QMF Forms |
| DBAOLR.INSTALL.TAPEF13 | OLR Entry Point Table |
| DBAOLR.INSTALL.TAPEF14 | OLR Group Table |
| DBAOLR.INSTALL.TAPEF15 | OLR Group User Table |
| DBAOLR.INSTALL.TAPEF16 | OLR Extended Help Table |
| DBAOLR.INSTALL.TAPEF17 | OLR Help Link Table |
| DBAOLR.INSTALL.TAPEF18 | OLR Keyword Table |
| DBAOLR.INSTALL.TAPEF19 | OLR Note Table |
| DBAOLR.INSTALL.TAPEF20 | OLR Topic Keyword Table |
| DBAOLR.INSTALL.TAPEF21 | OLR Topic Note Table |
| DBAOLR.INSTALL.TAPEF22 | OLR Topic Table |
| DBAOLR.INSTALL.TAPEF23 | OLR Outline Table |
| DBAOLR.INSTALL.TAPEF24 | OLR Message Table |
| DBAOLR.INSTALL.TAPEF25 | OLR Text Audit Table |
| DBAOLR.INSTALL.TAPEF26 | OLR Text Block Table |
| DBAOLR.INSTALL.TAPEF27 | OLR Text Attribute Table |
| DBAOLR.INSTALL.TAPEF28 | OLR User Table |
| DBAOLR.INSTALL.TAPEF29 | OLR Tag Table |
| DBAOLR.INSTALL.TAPEF30 | OLR Field Table |
| DBAOLR.INSTALL.TAPEF31 | OLR Intercept File Source |

DASD Space Requirements

The guidelines on the following pages provide DASD estimates based on a small, hypothetical OLR/Server database.

Table Volume Guidelines

| Table Name | Table Name | Usage Guidelines |
|------------|------------------|--|
| TSADM | DBX_ADMIN_AUTH | 1 row for each User Admin - 1 row for each Group Admin |
| TSEPT | DBX_ENTRY_PT | 1 row for each 'Book' |
| TSFFV | DBX_FFV | 1 row for each field value entered into a Note Form |
| TSGRP | DBX_GROUP | 1 row for each Group |
| TSGRU | DBX_GROUP_USER | 1 row for each user or generic user registered to a Group |
| TSHCN | DBX_HELP_CONTENT | 1 row for each value 'content sensitive' help will be provided for |
| TSHEX | DBX_EX_HELP | 1 row for each Extended Help window |
| TSHLP | DBX_HELP_ENTITY | 1 row for each Field, Screen and Application help link |
| TSKWD | DBX_KEYWORD | 1 row for each value to be used as a Keyword |
| TSNTE | DBX_NOTE | 1 row for each Note |
| TSPRT | DBX_USER_PRINT | 1 row for each online print user |
| TSSYS | DBX_SYSTEM | 1 row |
| TSTAG | DBX_TEXT_TAG | 1 row for each hypertext jump in a topic |
| TSTKJ | DBX_TOP_KWD_J | 1 row for each link between a topic and a keyword |
| TSTNJ | DBX_TOP_NOTE_J | 1 row for each Note |
| TSTOP | DBX_TOPIC | 1 row for each Topic |
| TSTRJ | DBX_TOP_REL_J | 1 row for each link between a Topic and a Subtopic |
| TSTSM | DBX_TS_MESSAGES | This table holds messages shipped with the product |
| TSTXA | DBX_TEXT_AUD | 1 row for each topic or note that has text |
| TSTXB | DBX_TEXT_BLK | Each text block holds the equivalent of 7 full length lines of text. More if text lines shorter. |
| TSTXX | DBX_TEXT_ATTR | 1 row for each topic or note that has text |
| TSUSR | DBX_USR | 1 row for each registered user (not all users will be registered) |
| TSFLD | DBX_VARFLD | 1 row for each Note Form variable field definition |

DB2 Tablespace DASD Calculations

| TS Name | # Rows | Avg Row Size | % Free Space | Free Pages | Pages Required | Est # Kbytes |
|---------|--------|--------------|--------------|------------|----------------|--------------|
| TSADM | 20 | 66 | 5 | | 3 | 12 |
| TSEPT | 50 | 37 | 5 | | 3 | 12 |
| TSFFV | 200 | 278 | 20 | | 21 | 84 |
| TSGRP | 10 | 117 | 5 | | 3 | 12 |
| TSGRU | 100 | 92 | 20 | | 5 | 20 |
| TSHCN | 50 | 68 | 20 | | 4 | 16 |
| TSHEX | 200 | 82 | 20 | | 8 | 32 |
| TSHLP | 200 | 94 | 20 | | 8 | 32 |
| TSKWD | 100 | 68 | 20 | | 5 | 20 |
| TSNTE | 250 | 186 | 20 | | 17 | 68 |
| TSPRT | 250 | 96 | 20 | | 10 | 40 |
| TSSYS | 1 | 62 | 20 | | 3 | 12 |
| TSTAG | 100 | 59 | 20 | | 3 | 12 |
| TSTKJ | 300 | 49 | 20 | | 7 | 28 |
| TSTNJ | 350 | 46 | 20 | | 7 | 28 |
| TSTOP | 500 | 188 | 20 | | 32 | 128 |
| TSTRJ | 1,000 | 66 | 20 | | 23 | 92 |
| TSTSM | 500 | 95 | 5 | | 15 | 60 |
| TSTXA | 750 | 79 | 25 | | 22 | 88 |
| TSTXB | 2,100 | 496 | 25 | 5 | 422 | 1,688 |
| TSTXX | 750 | 65 | 25 | | 18 | 72 |
| TSUSR | 50 | 130 | 20 | | 4 | 16 |
| TSFLD | 50 | 96 | 20 | | 4 | 16 |
| TOTAL | | | | | 647 | 2,588 |

DB2 Index DASD Calculations

| Index | # Rows | Key Length | # Subpage | % Free Space | Free Pages | Pages Required | Est # Kbytes |
|--------|--------|------------|-----------|--------------|------------|----------------|--------------|
| IXADM1 | 20 | 21 | | 25 | | 4 | 16 |
| IXADM2 | 20 | 21 | | 25 | | 4 | 16 |
| IXEPT1 | 50 | 11 | | 25 | | 4 | 16 |
| IXFFV1 | 200 | 28 | | 25 | | 3 | 12 |
| IXGRP1 | 10 | 10 | | 25 | | 4 | 16 |
| IXGRU1 | 100 | 18 | | 25 | | 4 | 16 |
| IXGRU2 | 100 | 18 | | 25 | | 4 | 16 |
| IXHCN1 | 50 | 10 | | 25 | | 4 | 16 |
| IXHCN2 | 50 | 32 | | 25 | | 4 | 16 |
| IXHEX1 | 200 | 22 | | 25 | | 5 | 20 |
| IXHEX2 | 200 | 10 | | 25 | | 4 | 16 |
| IXHLP1 | 200 | 10 | | 25 | | 4 | 16 |
| IXHLP2 | 200 | 20 | | 25 | | 5 | 20 |
| IXHLP3 | 200 | 20 | | 25 | | 5 | 20 |
| IXHLP4 | 200 | 10 | | 25 | | 4 | 16 |
| IXKWD1 | 100 | 10 | | 25 | | 4 | 16 |
| IXKWD2 | 100 | 32 | | 25 | | 5 | 20 |
| IXNTE1 | 250 | 10 | | 25 | | 5 | 20 |
| IXNTE2 | 250 | 60 | | 25 | | 9 | 36 |
| IXNTE3 | 250 | 10 | | 25 | | 5 | 20 |
| IXPRT1 | 250 | 8 | | 25 | | 4 | 16 |
| IXSYS1 | 1 | 8 | | 25 | | 4 | 16 |
| IXTAG1 | 100 | 28 | | 25 | | 2 | 8 |
| IXTKJ1 | 300 | 23 | | 25 | | 6 | 24 |
| IXTNJ1 | 350 | 20 | | 25 | | 6 | 24 |
| IXTOP1 | 500 | 10 | | 25 | | 6 | 24 |
| IXTOP2 | 500 | 60 | | 25 | | 14 | 56 |
| IXTOP3 | 500 | 70 | | 25 | | 16 | 64 |
| IXTOP4 | 500 | 70 | | 25 | | 16 | 64 |
| IXTOP5 | 500 | 10 | | 25 | | 6 | 24 |
| IXTRJ1 | 1,000 | 12 | | 25 | | 9 | 36 |
| IXTRJ2 | 1,000 | 20 | | 25 | | 11 | 44 |
| IXTSM1 | 500 | 8 | | 25 | | 5 | 20 |
| IXTXA1 | 750 | 13 | | 25 | | 8 | 32 |
| IXTXB1 | 2,100 | 12 | | 25 | | 15 | 60 |
| IXTXX1 | 750 | 10 | | 25 | | 7 | 28 |
| IXUSR1 | 50 | 8 | | 25 | | 4 | 16 |
| IXFLD1 | 50 | 32 | | 25 | | 1 | 4 |
| TOTAL | | | | | | 230 | 920 |

MRO Considerations

If you will be using the OLR System in an MRO environment with a separate terminal owning region (TOR) and application owning region (AOR), there are some special CICS considerations.

The OLR CICS Intercept is the portion of the OLR System that allows you to access OnLine Help or the OnLine Notepad from your application screens. The intercept transaction and its programs must run in the TOR.

System Parameters

Be sure that the MRO option is set to “YES” in the Systems Parameters table.

OLR CICS Intercept Table

Use TYPE=SYSTEM to specify the SYSID of your TOR(s) and OLR AOR.

CICS Definitions

Follow the MRO instructions in the OLR System Customization Guide to set up CICS definitions for an MRO configuration.

CICS/ESA Release 3.2 Considerations

In previous releases of the OLR System, it was possible for the OLR System to provide support for lowercase characters in text entered onto the system online by temporarily overriding uppercase translation by the terminal only in non-ESA versions of CICS. It was not supported in CICS/ESA.

However, the OLR System 3.0 now provides case change support in all releases of CICS **except in Release 3.2**. If you are currently using the OLR System in CICS/ESA Release 3.2, the following will serve as a reminder about CICS/ESA considerations.

With the advent of CICS/ESA, it is possible to control uppercase translation on a transaction-by-transaction basis. In order to preserve lower case characters in text entered onto the OLR System online, it will be necessary to define your terminals and OLR transactions in such a way that uppercase translation will not automatically occur.

Your CICS documentation from IBM is the best source of technical information on how to set up your CICS environment to support applications that handle lower-case input from a terminal. The following considerations apply:

- terminal definitions should refer to a TYPETERM where UCTRAN is set to NO or TRANID. When UCTRAN is set to NO, data input from a terminal in lowercase is not translated to uppercase. When UCTRAN is set to TRANID, tranids entered in lowercase are translated to uppercase, but no other input is translated.
- transactions designed to handle lowercase input should use a PROFILE where UCTRAN is set to NO. All transactions in the OLR System are designed to handle lowercase input. The profile shipped with the product has UCTRAN set to NO.
- other transactions in your environment that are not designed to handle lowercase input should use a PROFILE where UCTRAN is set to YES.

Overriding OLR Tranids

You can change the TRANIDs defined for the OLR System using the OLR System Parameters Table and the OLR CICS Intercept Table. The instructions for overriding OLR TRANID's are in the OLR System Customization Guide.

Print Considerations

You can provide an online print facility for the OLR System to enable online printing to SCS and 3270 printers.

You can also provide a spool print facility for printing to JES printers.

See the OLR System Customization Guide for an explanation of this facility and setup instructions.

OLR Language Support

You can use the OLR Language Support feature to tailor language elements such as commands, messages and screen literals to fit the needs of the people who will be using OLR at your site. You can select a different date format, or change the characters used to frame windows on OLR.

You can also use the OLR Language Support feature to define additional languages. This makes it possible to accommodate the needs of users who speak different languages, or have widely varying language preferences. Once you have defined a different language, the OLR System can be presented to different users in different ways.

The OLR System is shipped with an OLR default language for its basic user interface. The OLR default language uses English for its commands, messages and screen literals. It uses USA standards for date formats and provides a default set of window frame characters.

See the OLR System Customization Guide for further information and instructions for setting up language definitions.