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ACR/File

Installation Guide

for z/OS

Notices

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Introduction

ACR/File is a comprehensive utility software product designed to automate the Information Integrity functions within an organization. This guide outlines the steps necessary to install and maintain the product.

This chapter introduces the ACR/File installation process. It describes the purpose of this guide and its intended audience. It then outlines the chapters and provides a brief description of each.

It contains the following sections:

About the Installation Guide

This guide allows the user to install and test ACR/File. It is written for the personnel at your site who will perform the installation. A knowledge of system installation and JCL procedures is required.

Organization of Information

The installation guide provides the information necessary to maintain ACR/File. Each chapter is devoted to a particular task you need to perform.

Chapter 1 - Introduction includes an overview of the guide, a description of the chapters, and conventions used throughout the guide.

Chapter 2 - Creating Data Sets includes all the steps necessary to unload the CD and prepare the system for operation by creating the necessary data sets.

Chapter 3 - Establishing the Control File describes how to create the file used to license Infogix software.

Chapter 4 - Licensing and the Control File includes the process to follow when a Control File update is necessary. Use this chapter whenever you receive expiration warning messages, when a CPU change is anticipated, or when you intend to perform disaster recovery testing at an alternate site.

Chapter 5 - Establishing the Online Environment discusses the tasks necessary to establish your ISPF user interface.

Chapter 6 - Performing Installation Verification Procedures provides the procedures necessary to test the installation.

Chapter 7 - Upgrading and Applying Patches includes information on upgrading from a previous release and on installing patches.

Contacting Infogix Customer Support

If you need assistance, contact Infogix Customer Support.

Support Phone: +1.630.505.1890

Support Email: support@infogix.com

Support Website: http://support.infogix.com

Fax Number: +1.630.505.1883

Visit our Website: www.infogix.com

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Creating Datasets

This chapter describes how to unpack the CD for ACR/File. If you are installing an upgrade, go to "Upgrading and Applying Patches" on page 31 for additional information.

Installation Procedures for CD or Download

Media Format

ACR/File is available on CD and via a download. To arrange a download, contact Customer Support.

Unloading to z/OS

You will need to transfer the files from your PC to your mainframe (either the CD contents or your downloaded products).

ACR/File contains a file named **MASTER.XMI**.

1. Allocate space.

   The file uses approximately 700 tracks on a 3390 device, so you may need to override the default for your file transfer program. Allocate Secondary space as 70, 3390 disk tracks. (Similar to SPACE=(TRK,(700,70)) in JCL). If possible, use your file transfer program to allocate this space.

2. Using the file transfer program of your choice (most 3270 emulators use IND$FILE), perform a binary transfer (with no translation and no carriage returns) of the MASTER.XMI file from the PC to your mainframe, forcing the following parameters:

   ```
   Logical Recordsize=80, Blocksize=3120, Record Format=FB
   (aka LRECL=80,BLKSIZE=3120,RECFM=FB)
   ```

   You can use the default file name (MASTER.XMI) or override the name with a mainframe dataset name of your choice.

3. Using the file transfer program of your choice, perform a **text** transfer of the receive.jcl file from your download or from the CD to your mainframe, using translation and carriage returns. You can put this in any JCL or Procedure library. This is the JCL to expand the MASTER.XMI file you just uploaded into the different libraries of the product.
4. Edit the receive.jcl file following the instructions at the top to add a job card, replace the high-level qualifier for the MASTER.XMI file, and specify target high-level qualifiers for the product datasets. Submit the job.
5. Rename the files (optional). You can rename any of the files obtained from the CD as necessary.
6. Review the section "Contents of the Distribution Media" on page 8 Then proceed to "Establishing the Control File" on page 13.

Contents of the Distribution Media

The ACR/File product contains a variety of datasets. These datasets fit into three categories: User Interface, Batch Processing, and Installation/ Testing.

User Interface

- UNI.TSO.LOADLIB. Partitioned data set that contains ACR/File load modules for user interface programs compiled under LE COBOL.
- UNI.LOADLIB. Partitioned data set that contains ACR/File load modules for batch and online programs compiled under LE COBOL.
- UNI.CMDLIB. Partitioned data set containing TSO CLIST information.
- UNI.PNLLIB. Partitioned data set containing ISPF panel definitions.
- UNI.SKLLIB. Partitioned data set containing ISPF skeleton definitions and Control File information. These are used when generating JCL within the interface.
- UNI.MSGLIB. Partitioned data set containing ISPF message definitions.
- UNI.HLPLIB. Partitioned data set containing ISPF help panel definitions.
- UNI.KEYS. The ISPF key lists used to control PF key processing in the user interface.

Batch Processing

- UNI.LOADLIB. Partitioned data set that contains ACR/File load modules for batch and online programs compiled under LE COBOL.
- UNI.SRCELIB. Partitioned data set containing source code for the user exit programs.
- UNI.COPYLIB. Partitioned data set containing the copybook members used by the user exit programs.

Installation/Testing

UNI.DATALIB. Partitioned data set containing the following:

- The Control File for your installation
- Sample data for executing the ACR/File installation verification programs
- Sample CLIST and LIBDEF members

UNI.PROCLIB. Partitioned data set containing the following:

- JCL for reformatting the ISPF CMDLIB when variable length records are used
- JCL for executing ACR/File programs

UNI.TRNGJCL. Partitioned data set containing sample JCL and programs for training purposes.

UNI.TRNGRPT. Partitioned data set containing sample reports for training purposes.

UNI.TRNGSMF. Partitioned data set containing sample SMF data.

Note: All C24 libraries are obsolete and have been removed.

DASD Space Requirements and Naming Conventions

DASD Space Requirements for Distribution Datasets

The following table lists the distribution data sets and the DASD space requirements and attributes of each data set.

Data Set Name	Type	RECFM	LRECL	BLK-SIZE	MB
UNI.PROCLIB	PO	FB	80	9040	0.5
UNI.TSO.LOADLIB	PO	U		13030	6
UNI.LOADLIB	PO	U		13030	8
UNI.DATALIB	PO	FB	80	9040	0.2
UNI.SRCELIB	PO	FB	80	9040	0.2
UNI.COPYLIB	PO	FB	80	9040	0.1
UNI.CMDLIB	PO	FB	80	3120	0.3
UNI.PNLLIB	PO	FB	80	3120	4.5
UNI.SKLLIB	PO	FB	80	3120	1
UNI.MSGLIB	PO	FB	80	3120	1.5
UNI.HLPLIB	PO	FB	80	3120	5.5
UNI.TRNGJCL	PO	FB	80	9040	0.2
UNI.TRNGRPT	PO	FB	133	9044	2
UNI.TRNGSMF	PO	VB	1017	23476	0.1
UNI.KEYS	PO	FB	80	3120	0.3
TOTAL (APPROX.)	-	------	-----	-------	~30.5

DASD Space Requirements for Installation Test

The next table lists the DASD space requirements and attributes of the data sets needed for performing the installation tests described in "Performing Installation Verification Procedures" on page 27.

Data Set Name	Type	RECFM	LRECL	MB
UNI.UNICF	VSAM		80	0.1
UNI.UNIHF (installation test)	VSAM		1020	0.1
UNI.UNIDF (installation test)	VSAM		128	0.1

Each data set name may be qualified with three additional levels of prefixes to satisfy the naming conventions in your data center.

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Establishing the Control File

The Control File, used to license ACR/File software, is a VSAM KSDS file. This chapter explains how to create this file. The procedure is as follows:

1. Access the UNICNTL member contained in the UNI.PROCLIB PDS. This JCL member will create and initialize the Control File through an IDCAMS delete/define. The default name will be XXXXXX.UNI.UNICF and is referenced by the UNICNTL symbolic in the JCL. Change XXXXXX to the prefix of your choice. Follow the directions at the top of the JCL member to conform to your site standards. The following parameters will need to be modified:

   UUUU=VSAM DASD unit name

   DDDDDD=VSAM DASD volume serial number

   VVVVVVV=VSAM dataset name prefix

2. Review the UNICNTL member as needed because it was updated with documentation for SMS.
3. Submit UNI.PROCLIB (UNICNTL) with an appropriate job card.
4. Review the output and verify that the return code from both steps is zero.

4

Licensing and the Control File

This chapter discusses the tasks related to licensing and the Control File. It contains the following sections:

Authorizations Required

At a minimum, users should have read-only access to the Control File. The system administrator should also have write access to support Control File changes when necessary. All production jobs must have read/write access to allow any necessary warning or error messages to be issued.

Updating the Control File

The Control File controls product access in accordance with the terms of your license. There are several situations when you need to update the Control File. The most common include:

- When you install the product for the first time.
- When any of your product licenses expires. If you begin receiving warning or error messages in your SYSOUT data sets, you should perform this procedure.
- When you want to run the product on a CPU that is not currently included in your license.
- When the terms of your license have changed.
- When you need to run a disaster recovery test.

Instructions

1. Print the contents of the Control File:
   a. Access the UNI10PR member in your UNI.PROCLIB data set. This member will generate two reports that are required by Infogix Customer Support in order to generate control cards and a password to use in updating your Control File. The reports will be as follows:
      - The Product report (ddname UNILST) displays licensing information from the associated Control File in a readable format.
      - The CPU Serial # report (ddname UNIREPT) indicates the CPU on which the reports were generated and will also show up to 15 connected CPUs.
   b. Follow the directions at the top of the UNI10PR JCL to conform to your site standards.
   c. Submit the UNI10PR JCL.
   d. Review the output and print the reports contained in the UNILST and UNIREPT ddnames. The following reports are examples of these two reports.

      Product Report - UNILST Example

```
Releasenumber                PRODUCT REPORT   COPYRIGHT
DATE: 03042                                                 PAGE:            1
TIME: 09:38                                                 REPORT:     UNI10PR

FILENAME: USERIDA.UNI.UNICF
CUSTOMER:     ABC, INCORPORATED
PAGE:060  WAIT:0900  RES:Y  I-RET:0000  W-RET:0000  E-RET:4000  UPDATE:003


PRODUCT  EXP  GRACE AUTH    TYPE TM SERIAL/MODEL  SERIAL/MODEL  SERIAL/MODEL
U/ACF   00/001   0  SEARCH          111111/2222   333333/4444   555555/6666
                                    777777/8888   999999/0000   222222/4444
                                    222222/1111   444444/3333   666666/5555
                                    888888/7777   000000/9999   555555/3333
VIOLATION:   FIRST DATE   LAST DATE   SERIAL/MODEL/LPAR   TYPE
              00/000       00/000           /
              00/000       00/000           /
              00/000       00/000           /
              00/000       00/000           /

PRODUCT  EXP  GRACE AUTH    TYPE TM SERIAL/MODEL  SERIAL/MODEL  SERIAL/MODEL
U/SUM   03/243  60  ALL          Y  111111/2222   333333/4444   555555/6666
                                    777777/8888   999999/0000   222222/4444
                                    222222/1111   444444/3333   666666/5555
```

CPU Serial # Report - UNIREPT Example

```
   ABC,INC.  CPU SERIAL # REPORT
CPU NUM: 00, CPUID:  110000007490
CPU NUM: 01, CPUID:  NOT DEFINED
CPU NUM: 02, CPUID:  NOT DEFINED
CPU NUM: 03, CPUID:  NOT DEFINED
CPU NUM: 04, CPUID:  NOT DEFINED
CPU NUM: 05, CPUID:  NOT DEFINED
CPU NUM: 06, CPUID:  NOT DEFINED
CPU NUM: 07, CPUID:  NOT DEFINED
CPU NUM: 08, CPUID:  NOT DEFINED
CPU NUM: 09, CPUID:  NOT DEFINED
CPU NUM: 10, CPUID:  NOT DEFINED
CPU NUM: 11, CPUID:  NOT DEFINED
CPU NUM: 12, CPUID:  NOT DEFINED
CPU NUM: 13, CPUID:  NOT DEFINED
CPU NUM: 14, CPUID:  NOT DEFINED
CPU NUM: 15, CPUID:  NOT DEFINED
```

2. Request your control cards and password. Using the information in "Contacting Infogix Customer Support" on page 1-6, do the following:

a. Call Customer Support to request the appropriate control cards and password based on your license agreement.

b. E-mail or FAX the reports generated in the previous step to Customer Support. Mention any special considerations. For example, inform Customer Support if you are running a disaster recovery test. You will receive an e-mail or fax containing your control cards and password. This information is shown in the following example.

The following is a portion of an e-mail showing three control cards and a password:

```
0   0    1    1    2    2    3    3    4    4    5
1...5....0....5....0....5....0....5....0....5....0...
USUM  CA 2836 A S
USUM  CE 7600 03150 04150
USUM  CG 8666 03 30
      PW 6947 JQQJQQJQQJ 673720
```

3. Update the Control File:

   a. After receiving the e-mail from Customer Support, containing the control card(s) and password, access the UNICF50 JCL member in the installed UNI.PROCLIB dataset. Follow instructions 1 and 2 at the top of the JCL. Instruction 3 is as follows:

      UNICMD BELOW THIS DD, TYPE IN THE INFORMATION
              PROVIDED BY TECHNICAL SUPPORT.

      It is not necessary to type in the control card(s) and password unless this information was sent by FAX. Instead, you can paste these into the JCL from the e-mail as shown in the next steps.

   b. Press F8 to scroll down to the bottom of the UNICF50 member. The location where the control card(s) and password need to be pasted is highlighted in the following example. In the default UNICF50 member shown below, there is only one line for a control card, followed by the password line, so you may have to insert additional lines if you have multiple control cards. \

      Note: This example shows a default (new) Control File. If the Control File was updated previously, it will show actual control card(s) and a password. All of the old control cards and the old password need to be replaced.

      Following is an excerpt from UNICF50 JCL Member. Xs indicate where control cards and password need to be pasted.

```
000023 //UNICMD   DD  *
000024 XXXX  XX XXXX XXXXXXXXXX XXXXXXXXXX
000025       XX XXXX XXXXXXXXXX XXXXXX
000026 //*
000027 //
```

   c. Paste in the new control card(s) and password. Ensure that the first character of each control card is now in position 1 and that the first character of the password is in position 7. If this is the first update, ensure that the JCL contains none of the Xs from the default JCL. If this is not the first update, make sure you deleted all of the old control card(s) as well as the old password.

The following example from UNICF50 shows valid placement of three control cards and a password

```
000023 //UNICMD   DD  *
000026 USUM  CA 2836 A S
000027 USUM  CE 7600 03150 04150
000028 USUM  CG 8666 03 30
000029     PW 6947 JQQJQQJQQJ 673720
000030 //*
000031 //
*************************** Bottom of Data *********
```

Submit the JCL to update the Control File with the new licensing information.

4. Verify the update. After the job completes, **even if the message log shows a return code of zero (0)**, review the Control File Update Report (ddname UNIFAX) in the output listing. The following excerpt is an example of this report.

   Following is a Control File Update report showing three control cards that successfully updated the Control File

```
        CHANGE ID: 111111222202351003
UNICF:    UNI.REL30.UNICF
         ACCEPTED   USUM  CA 2836 A S
         ACCEPTED   USUM  CE 7600 03150 04150
         ACCEPTED   USUM  CG 8666 03 30
         ACCEPTED        PW 6947 JQQJQQJQQJ 673720
         *******REQUEST PHASE COMPLETE*******
         CHANGED    USUM  CA 6382 A S
         CHANGED    USUM  CE 0067 03150 04150
         CHANGED    USUM  CG 6668 03 30
         UPDATE COMPLETE
```

   If the update completed successfully, the report should contain the message UPDATE COMPLETE.

   If the report shows that any of the control cards failed, print and FAX or e-mail the report to Customer Support and request assistance.

5

Establishing the Online Environment

This chapter discusses the tasks necessary to establish your ISPF user interface. After you complete the required tasks, you will be able to access and utilize the features of ACR/File. It contains the following sections:

Creating an Online Environment

The Online Environment is initiated from TSO OPTION 6 or the ISPF command line. LIBDEFSE is contained in the UNI.DATALIB data set. LIBDEFS is no longer supported and should not be used. To invoke this member as a menu item, read the section in this chapter called "Test ACR/File (Required)" on page 26.

1. Choose and implement one of the following:
   - Add this line to your site's automatic logon CLIST or type this TSO command prior to entering ISPF:

     ```
     TSO ACTIVATE DATASET ('XXXXXXX.UNI.TSO.LOADLIB'
     'XXXXXXX.UNI.LOADLIB')
     ```

     where *XXXXXXX* is your high level qualifier

Note:	The TSO ACTIVATE command will not function once you are in ISPF and it cannot be installed into the CLIST invoking the product; the ISPF environment is already in place at that point.

- Update your TSO LOGON procedure JCL to add the TSO and batch loadlibs as STEPLIB datasets. A System Programmer is usually required to make this change.

Note:	Installing these loadlibs as STEPLIBs, may interfere with APF authorized tools that may already be in the STEPLIB. If you currently do not have datasets in the STEPLIB, you may find this the easier of the two methods.

2. Determine the LE online environment. In the UNI.DATALIB, use the LIBDEFSE member shown on "Sample LIBDEF" on page 23.
3. Modify the data set names to match the names you created when you unloaded the installation files to z/OS. This means changing XXXXXXX to the system prefix you have chosen. Other modifications may be needed depending on your ISPF version and standards.
4. Proceed to "Modifying JCL Skeletons" on page 24.

Sample LIBDEF

```
PROC 0
/*
/* ********************************************************************
/* *                                                                  *
/* *                    LIBDEFSE                                      *
/* *                                                                  *
/* *  USE THIS MEMBER IF YOU WANT TO GET ACCESS TO INFOGIX PRODUCTS *
/* *  VIA TSO OPTION 6 AND YOU HAVE TSO/E INSTALLED.                  *
/* *  TO USE THIS MEMBER, AN ISPF ENVIRONMENT MUST HAVE ALREADY     *
/* *  BEEN ESTABLISHED.
/* *                                                                  *
/* *  1.  XXXXXXX   TO THE DATA SET NAME PREFIX SPECIFIED FOR YOUR  *
/* *               LIBRARIES.                                         *
/* *                                                                  *
/* ********************************************************************
/*
CONTROL FLUSH NOLIST NOCONLIST NOSYMLIST NOMSG NOPROMPT
/*
/*  THE COMMANDS THAT FOLLOW ALLOCATE THE INFOGIX COMMAND LIBRARY
/*  AND CONCATENATE IT WITH YOUR SYSPROC CMDLIBS.
/*
/*  PLEASE NOTE THAT THE 'ALTLIB' COMMAND IS A COMMAND ONLY AVAILABLE
/*  UNDER TSO/E.
/*
ALTLIB ACTIVATE APPLICATION(CLIST)    +
      DSNAME('XXXXXXX.UNI.CMDLIB')
/*
ALLOC FI(ISPTABL) DA('XXXXXXX.UNI.KEYS')         SHR REUSE
/*
/*  THE COMMANDS THAT FOLLOW ALLOCATE THE INFOGIX PANEL, HELP,
/*  MESSAGE, AND SKELETON LIBRARIES.  THE USER INTERFACE LOAD
/*  LIBRARY IS ALSO ALLOCATED.
/*
ISPEXEC LIBDEF ISPPLIB DATASET ID('XXXXXXX.UNI.PNLLIB'     +
                       'XXXXXXX.UNI.HLPLIB')
ISPEXEC LIBDEF ISPMLIB DATASET ID('XXXXXXX.UNI.MSGLIB')
ISPEXEC LIBDEF ISPSLIB DATASET ID('XXXXXXX.UNI.SKLLIB')
ISPEXEC LIBDEF ISPLLIB DATASET ID('XXXXXXX.UNI.TSO.LOADLIB' +
                       'XXXXXXX.UNI.LOADLIB')
ISPEXEC LIBDEF ISPTLIB DATASET ID('XXXXXXX.UNI.KEYS')
/*
ISPEXEC CONTROL ERRORS RETURN
/*
/*  THE COMMAND THAT FOLLOWS STARTS THE PROCESS THAT WILL ALLOW
/*  ACCESS TO THE INFOGIX PRODUCTS THRU THE INFOGIX PRODUCT MENU.
/*
ISPEXEC SELECT PGM(UNI0000C) NEWAPPL(UNI) PASSLIB
/*
/*  THE COMMANDS THAT FOLLOW FREE THE INFOGIX PANEL, HELP,
/*  MESSAGE, AND SKELETON LIBRARIES.  THE USER INTERFACE LOAD
/*  LIBRARY IS ALSO FREED.
/*
ISPEXEC LIBDEF ISPPLIB
ISPEXEC LIBDEF ISPMLIB
ISPEXEC LIBDEF ISPSLIB
ISPEXEC LIBDEF ISPLLIB
ISPEXEC LIBDEF ISPTLIB
FREE FI(ISPTABL)
/*
/*  THE COMMANDS THAT FOLLOW FREE THE INFOGIX COMMAND LIBRARY.
/*
ALTLIB DEACTIVATE APPLICATION(CLIST)
FREE DA('XXXXXXX.UNI.CMDLIB')

/*
ISPEXEC CONTROL DISPLAY REFRESH
END
```

Modifying JCL Skeletons

A major feature of the user interface is the ability to automatically generate all JCL that is needed by the system. This allows non-technical users to easily utilize the products. In order to ensure that JCL and the online environment follow your site's standards, the following members must be modified to include site-dependent information in the JCL statement generated by the ISPF User Interface.

Modify the UNICNTL member located in UNI.SKLLIB

DB2PLAN. Do not modify this line for ACR/File. This line is only referenced by the ACR/Detail or ACR/Summary products.

DDB2PLAN. Do not modify this line for ACR/File. This line is only referenced by the ACR/Detail or ACR/Summary products.

CNTLDSN. This is a required field. Enter the name of the control file that was created in Chapter 3.

STEPDCF0. Enter the load library name you created when you unloaded the installation files to z/OS. Please verify the previous sentence. The old wording was: "Enter the load library name you created when you unloaded the tape." This data set name will be inserted into every JCL stream to ensure proper system functioning.

STEPLIB1 - STEPLIB5. If you require any other load libraries to be present when JCL is submitted, enter them here.

DB2LIB0 - DB2LIB5. Do not modify this line for ACR/File. This line is only referenced by the ACR/Detail or ACR/Summary products.

SYSOUT. When generating JCL, the sysout class defaults to *. Enter your default class.

UNIT. The default unit is SYSALLDA. Enter your default disk unit, up to eight characters.

BLKSIZE. Enter the default blocksize for work partitioned data sets with 80-byte records.

TRACKS. Enter the default number of tracks.

GNDB2JCL. Do not modify this line for ACR/File. This line is only referenced by the ACR/Detail or ACR/Summary products.

COMPRESS. Enter Y (Yes) to automatically compress your definition library or enter N (No).

Modify the UNI000AC member located in UNI.CMDLIB

Modify the following:

- Default output class
- Default definition library size
- Default unit parameter
- Default blocksize for work partitioned datasets with 80-byte records
- Datasets names for:
  - Infogix Load Library
    (*XXXXXXX*.UNI.LOADLIB) for batch modules
    where *XXXXXXX* is the Load library dataset name prefix established in Chapter 2, "Creating Datasets on page 7".
  - Infogix Control File (*XXXXXXX*.UNI.UNICF)
    where *XXXXXXX* is the Control file datasets name prefix established in Chapter 3, "Establishing the Control File on page 13" 3.

Modify the UNI.CMDLIB

Warning:	This step is only for ACR/File users who use a variable block CLIST. Skip this section if you use a fixed block CLISTs.

If your installation uses variable length command libraries, reformatting UNI.CMDLIB is required.

Within the PDS UNI.PROCLIB is a member named REFORMAT, which contains the JCL and IEBGENER utility control statements required for copying the members of the UNI.CMDLIB library to a variable length record format PDS. The JCL should be modified to reflect the naming conventions and standards in your data center.

Specifically, the parameters you should modify are XXXXXXX, UUUU, and DDDDDD, where:

XXXXXXX=CMDLIB dataset name prefix

UUUU=Device unit name

DDDDDD=DASD volume serial number

Note: IBM no longer supports variable block CLIST libraries.

Test ACR/File (Required)

1. Go to TSO OPTION 6.
2. Execute the LIBDEFSE. A sample command looks like this:

```
EX 'UNI.DATALIB(LIBDEFSE)'.
```

The logo screen should display.

Add ACR/File to an ISPF Menu (Optional)

After you complete the test of the LIBDEFSE CLIST, you may want to add ACR/File to your ISPF menu.

1. Copy the LIBDEFSE CLIST to a library already in your SYSPROC dataset list.

   This is a sample of the lines you may add to your ISR@PRIM panel:

   U Infogix ACR Invoke Infogix ACR

   where the body section may contain

   U, 'CMD(%LIBDEFSE)'

   Note: You can change the LIBDEFSE name to something more descriptive if you prefer. To do so, you must copy the LIBDEFSE CLIST to an existing SYSPROC library and rename it there. If you change the member name, invoke that name instead.

2. If you manually added the Infogix ISPF datasets without using LIBDEFs, your CLIST must invoke the product using this command:

```
ISPEXEC SELECT PGM(UNI0000C) NEWAPPL(UNI) PASSLIB
```

Please contact your local support personnel if you have any questions on how to make these changes as they will be specific to your site.

6

Performing Installation Verification Procedures

This chapter provides the procedures necessary to test the installation. It includes the following sections:

Preparing the Installation Test for ACR/File

Modify the UNI.DATALIB(UDCUOPT) member so that the dataset names of the UNIDF and UNIHF files are valid VSAM dataset names within your environment.

UDCXOPT	YYYYYYY	XYYYYYYYYNNNNYYYYYY
UNIXOPT		
UNIDSN	UNIDF	VVVVVVV.FFF.UDCDEFN
UNIDSN	UNIHF	VVVVVVV.FFF.UDCHIST
UNIOUT	UNIRIR	*X
UNIOUT	UNIRTR	*X
UNIOUT	UDCR001	*X
UNIOUT	UDCR002	*X
UNIOUT	UDCR003	*X
UNIOUT	UDCR004	*X
UNIOUT	UDCR005	*X
UNIOUT	UDCR006	*X
UNIOUT	UDCR007	*X
UNIOUT	UDCMSGS	*X

Also, modify the SYSOUT classes for the ACR/File reports to reflect the user's environment. To change the SYSOUT class, change the "X" in column 22 of each UNIOUT card to a valid SYSOUT class at your site.

Modify the UNI.DATALIB(UDCTEST) member so that the job name 'TESTJOB' is changed throughout the member to a valid job name (TSO ID) for your environment.

Modify the UNI.DATALIB(UDCDCAMS) member so that the dataset name of the UNIDF file matches what is in the UNI.DATALIB(UNIUOPT) member. Also, modify the VOLUME information so that it reflects the user's environment.

Modify the UNI.DATALIB(UDCHCAMS) member so that the dataset name of the UNIHF file matches what is in the UNI.DATALIB(UDCUOPT) member. Also, modify the VOLUME information so that it reflects the user's environment.

Modify the UNI.PROCLIB(ACRFTEST) member so that 'TESTJOB' is changed throughout the member to match the job name (TSO ID) that was used when modifying the UNI.DATALIB(UDCTEST) member. Also, modify the JOB card to reflect the user's environment.

Executing the Installation Test Procedure for ACR/File

Execute the UNI.PROCLIB(ACRFTEST) procedure, with the symbolic parameters given the following assignments:

Parameter	Assignment
SYSOUT	Output class for SYSOUT
LOADLIB	XXXXXXX.UNI.LOADLIB
UNIDF	VVVVVVV.FFF.UDCDEFN
UNIHF	VVVVVVV.FFF.UDCHIST
DATALIB	XXXXXXX.UNI.DATALIB
UNICNTL	VVVVVVV.UNI.UNICF
UDFUNIT	UUUU
UDFVOL	DDDDDD
UHFUNIT	UUUU
UHFVOL	DDDDDD

Parameter	Assignment
TSTUNIT	WWWW
TESTVOL	SSSSSS

where:
UUUU=VSAM DASD unit name
DDDDDD=VSAM DASD volume serial number
XXXXXXX=LOADLIB dataset name prefix
VVVVVVV=VSAM dataset name prefix
FFF=Product code, which should match the code in UNI.DATALIB(UDCUOPT) member
WWWW=Test DASD unit name
SSSSSSS=Test DASD volume serial number

Successful execution of this procedure should yield the following reports:

- ACR/File Transaction Validation Report from UDCINIT
- ACR/File Transaction Validation Report from UDCUPDT
- ACR/File Transaction Processing Report from UDCUPDT
- Input File Verification Report
- Input File Verification Expanded Message Report
- Output File Capture Report
- System Return Codes and Messages Reports

For samples of these reports, refer to your XXXXXXX.UNI.TRNGRPT data set, where XXXXXXX is the prefix you used when installing the software in Chapter 2, “Creating Datasets on page 7”.

7

Upgrading and Applying Patches

This chapter discusses the necessary tasks to install new patches of ACR/File software. It contains the following sections:

Upgrading

Warning:	ISPF profiles are not backward compatible. The enhancements for Release 3.0 of ACR/File required Infogix to make significant changes to ISPF profiles. As a result, if you are upgrading to Release 3.0 from a prior release, and you use an existing ISPF profile, that profile will change and will no longer be able to support earlier releases of the software. To retain access to the earlier release during testing, we recommend that you set up a separate ISPF profile for access to Release 3.0.

Update Your Control File

If you are updating to a new major release, see Updating the Control File to update your licensing.

z/OS Patch Upload Instructions

If you need to download an z/OS patch from our internet site, the patch will come with instructions on how to upload the files once you receive them. The following pages describe the current patch procedure:

There are at least two libraries (#LOAD and #PNLLIB) that will be set up for a given patch. The #PNLLIB is mandatory for this patch, whereas you can upload #LOAD in accordance with your operating environment.

1. Transfer each file to the z/OS system with NO translation. The file is EBCDIC (binary), not ASCII. This transfer should be done to a non-existing flat file, to force IND$FILE to create a new dataset (that is, *YOURHIGHLEVEL.YOURFILENAME*). If the file transfer program defaults to Variable Blocked formatting, override this setting and impose a file setup of Fixed Block, Record Length=80, Block Size=3120.

Repeat this step for #load and #pnllib, if applicable.

Note: You may choose what YOURFILENAME is for the transfer, or use the name of the packaged file.

2. Type the following TSO command on the z/OS system exactly as is:
   `RECEIVE INDS(`*`YOURFILENAME`*`)`
   Again, *YOURFILENAME* is the name of the transferred file. Note that this command is typed without *YOURHIGHLEVEL*.
   Repeat this step for all the required transferred files.
3. When prompted for restore parms, press Enter. The RECEIVE command will allocate a new dataset with the correct formatting. You should now have a dataset with the name *YOURHIGHLEVEL*.TAPESHIP.R40VxMxx.xxxxxxxx.
   In this case, you have the first patch for Release 4.0 and xxxxxxxx refers to:
   - #LOAD is the compiled Version of UNIVREL and the patch.
   - #PNLLIB is the Release/Version Patch No. used in the Help panel when you enter the product.

   Repeat this step for #load and #pnllib.
4. Move the resultant member of each dataset into the corresponding library, or leave it as is and concatenate the datasets (libraries) in your Logon procedure and/or TSO CLISTs. The second method would be recommended if you wish to test the patch before going to production.

Note: When you use the online programs for the LE product, you also require access to OS services. Refer to step 5.

5. Gain access to OS services. The online programs for the LE products require access to OS services as well as to ISPF. Use one of the following methods to access OS services:
   - Add the UNI.TSO.LOADLIB and UNI.LOADLIB to the steplib for the TSO session.

     Note: If you have already allocated a steplib for your TSO session, this method is not recommended because it could interfere with APF authorized tools or services in the steplib

   - Add the following line to your site's automatic logon CLIST or manually type the following on one line from ISPF READY mode:
     `TSOLIB ACTIVATE DATASET ('UNI.TSO.LOADLIB' 'UNI.LOADLIB')`

6. An additional step is required only for the very limited number of sites that set Global Option RTEREUS (Force Rent Reuse) to ON in the global LE options table.

Warning:	The IBM-recommended setting for RTEREUS is OFF. However, if your site requirements make it necessary to set global option RTEREUS to ON, you must perform the following procedure to avoid a 4038 abend. For more information, see IBM APAR PQ27319

Update the sample JCL provided in your site's UNI.PROCLIB data set member LECEEOPT following the instructions provided in the JCL and submit the job.

Note:	If you are not sure which CEEUOPT module library should be used by this job, consult the System Programmer in charge of LE. A suitable default CEEUOPT for most sites is supplied in the Infogix LOADLIB (batch) data set

The LECEEOPT JCL stream updates load member UNI0000C to allow it to override your global RTEREUS option. The JCL links in an override CEEUOPT module with RTEREUS set to OFF.