



**Program Directory for
IBM Application Support Facility for z/OS**

V3.4.0

Program Number 5655-002

FMIDs HSF1400, JSF1430

for Use with
z/OS V1.7

Document Date: March 2009

GI19-0020-04

Note

Before using this information and the product it supports, be sure to read the general information under Appendix C, "Notices" on page 131.

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1.0 Introduction

This Program Directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of IBM Application Support Facility for z/OS. This publication refers to IBM Application Support Facility for z/OS as ASF.

The Program Directory contains the following sections:

- 2.0, "Program Materials" on page 3 identifies the basic and optional program materials and documentation for ASF.
- 3.0, "Program Support" on page 7 describes the IBM support available for ASF.
- 4.0, "Program and Service Level Information" on page 9 lists the APARs (program level) and PTFs (service level) incorporated into ASF.
- 5.0, "Installation Requirements and Considerations" on page 10 identifies the resources and considerations required for installing and using ASF.
- 6.0, "Installation Instructions" on page 19 provides detailed installation instructions for ASF. It also describes the procedures for activating the functions of ASF, or refers to appropriate publications.

Before installing ASF, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that were supplied with this program in softcopy form as well as this Program Directory and then keep them for future reference. Section 3.2, "Preventive Service Planning" on page 7 tells you how to find any updates to the information and procedures in this Program Directory.

ASF is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The Program Directory is provided in softcopy form on the CBPDO tape which is identical to the hardcopy form provided with your order. All service and HOLDDATA for ASF are included on the CBPDO tape.

Do not use this Program Directory if you are installing ASF with a SystemPac or ServerPac. When using these offerings, use the jobs and documentation supplied with the offering. This documentation may point you to specific sections of the Program Directory as required.

1.1 ASF Description

Application Support Facility is an integral part of output management solutions with high-volume output of documents. It allows users and customer applications to create documents online and in batch based on pre-defined templates, paragraphs, and data-text merge. Customers using the Document Composition function in Application Support Facility V3R3 define the document layout and formatting using IBM Document Composition Facility (DCF).

Optionally, Document Composition function customers can use Document Connect for ASF to allow users to create documents from a Web client rather than the traditional 3270 interface. The interfaces of

Application Support Facility allow integrating the services of the product with business applications requiring document output no matter whether the document is to be printed, faxed, e-mailed, or accessed from the intranet or internet.

Customers using the Document Writing feature of Application Support Facility V3R2 define the document layout and formatting using IBM DisplayWrite/370.

With Application Support Facility Version 3 Release 4 you can move to a single release and support all of the following environments:

- Document Composition function, including the related Document Connect for ASF feature
- Document Writing feature
- OfficeVision/MVS compatibility

Graphical user interface for ASF administration

Customers can increase administrator productivity and reduce the time required to implement changes to document resources by using the IBM Administration Client for ASF (5655-U83). The Elipse-based graphical interface can replace the 3270 interface for administering the ASF databases General Information Library (GIL) and User Profile Library (UPL). Administration of Application Support Facility can now be done by staff trained in workstation tools, eliminating the need for training in 3270 command and panel-driven interfaces.

For more information, visit: <http://www.ibm.com/software/applications/office/asf>

1.2 ASF FMIDs

ASF consists of the following FMIDs:

HSF1400
JSF1430

2.0 Program Materials

An IBM program is identified by a program number. The program number for ASF is 5655-002.

Basic Machine-Readable Materials are materials that are supplied under the base license and feature numbers, and are required for the use of the product. Optional Machine-Readable Materials are orderable under separate feature numbers, and are not required for the product to function.

The program announcement material describes the features supported by ASF. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is magnetic tape or downloadable files. It is installed using SMP/E, and is in SMP/E RELFILE format. See 6.0, "Installation Instructions" on page 19 for more information about how to install the program.

Information about the physical tape for the Basic Machine-Readable Materials for ASF can be found in the *CBPDO Memo To Users Extension*.

Figure 1 describes the physical tape.

NOTE

If ASF was shipped to you in a CBPDO, you will need to reference the CBPDO Memo To Users Extension for the physical tape layout of the Basic Machine-Readable Materials.

Figure 1. Basic Material: Program Tape

Medium	Feature Number	Physical Volume	External Label	VOLSER
3480 cart	5802	1	ASF	SF1400
3480 cart	5832	1	ASF	SF1400

Figure 2 on page 4 describes the program file content for ASF.

Notes:

1. The data set attributes in this table should be used in the JCL of jobs reading the data sets, but since the data sets are in IEBCOPY unloaded format, their actual attributes may be different.
2. If any RELFILES are identified as PDSEs, ensure that SMPTLIB data sets are allocated as PDSEs.

3. **Installation of feature number 5050** is only applicable if the ASF V3R4 base product has been ordered with feature number 5832. For more information see the 2.2, "Optional Machine-Readable Material" on page 4.

Figure 2. Program File Content

Name	O R G	R E C F M	L R E C L	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.HSF1400.F1	PDS	FB	80	8800
IBM.HSF1400.F2	PDS	VB	8188	8192
IBM.HSF1400.F3	PDS	VB	12284	12288
IBM.HSF1400.F4	PDS	U	0	6144

2.2 Optional Machine-Readable Material

The distribution medium for this program is magnetic tape or downloadable files.

Figure 3 describes the physical tape. Figure 4 describes the file content.

Installation of the Document Connect feature (feature number 5050) is only applicable if the ASF V3R4 base product has been ordered with feature number 5832.

Figure 3. Optional Material

Medium	Feature Number	Physical Volume	External Label	Unload Utility	VOLSER
3480 cart	5050	1	Document Connect Feature	IEBCOPY	SF1430

Figure 4. Optional Material File Content

Name	ORG	RECFM	LRECL	BLK SIZE
SMPMCS	SEQ	FB	80	6400
IBM.JSF1430.F1	PDS	VB	255	259

2.3 Program Publications

The following sections identify the basic and optional publications for ASF.

2.3.1 Basic Program Publications

Figure 5 identifies the basic unlicensed program publications for ASF. One copy of each of these publications is included when you order the basic materials for ASF. For additional copies, contact your IBM representative.

<i>Figure 5. Basic Material: Unlicensed Publications</i>	
Publication Title	Form Number
IBM Application Support Facility Version 3 Release 4, Licenced Program Specifications	GH12-6738
IBM Application Support Facility Version 3 Release 4, Document Writing License Information (LPS)	GH12-6889
IBM Application Support Facility Version 3 Release 4, Administration Guide	SH12-6734
IBM Application Support Facility Version 3 Release 4, Application Programming Interfaces	SH12-6735
IBM Application Support Facility Version 3 Release 4, Diagnosis Guide	SH12-6739

Note: The Unlicensed Publications mentioned in the table above and the Program Directory will be shipped on the program tape as PDF-files in library AFSNDAT0.

The following list contains a reference of the members in AFSNDAT0 to the specific publications.

FSNAPENU Administration Guide (PDF)
FSNDPENU Diagnosis Guide (PDF)
FSNQPENU API Guide (PDF)
FSNLPENU Licenced Program Specifications (PDF)
FSNPPDIR Program Directory (PDF)

For detailed instructions how to install and configure *Document Connect feature (DC4ASF)* visit the following web site:

<http://www-306.ibm.com/software/applications/office/asf/installinfo.html>

Refer to the version of document "Installing DC4ASF" matching your environment.

2.3.2 Optional Program Publications

Figure 6. Optional Material: Licensed Publications

Publication Title	Form Number	Feature Number
IBM Transaction Processing and Data Collection Kit	SK2T-0730-33	7003

2.4 Program Source Materials

No program source materials or viewable program listings are provided for ASF.

2.5 Publications Useful During Installation

The publications listed in Figure 7 may be useful during the installation of ASF. To order copies, contact your IBM representative or visit the IBM Publications Center on the World Wide Web at:
<http://www.ibm.com/shop/publications/order>

Figure 7. Publications Useful During Installation

Publication Title	Form Number
<i>IBM SMP/E for z/OS User's Guide</i>	SA22-7773
<i>IBM SMP/E for z/OS Commands</i>	SA22-7771
<i>IBM SMP/E for z/OS Reference</i>	SA22-7772
<i>IBM SMP/E for z/OS Messages, Codes, and Diagnosis</i>	GA22-7770

3.0 Program Support

This section describes the IBM support available for ASF.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before installing ASF, it is VERY IMPORTANT that you review the current Preventive Service Planning (PSP) information. The PSP buckets maintain current lists (which have been identified since the package was created) of any recommended or required service for this package's installation. This includes software PSP information (Subset HSF1400) that contains HIPER, and/or required PTFs against the base release.

While there can be overlap between SW, HW and functional PSP buckets, reviewing all that apply to this package will ensure that you identify any known service required for your installation of this package.

If you obtained ASF as part of a CBPDO, there is HOLDDATA included on the PDO.

If the CBPDO for ASF is more than two weeks old when you install it, you should contact the IBM Support Center, use S/390 SoftwareXcel to obtain the current "PSP Bucket" or obtain the current PSP from the Web at <https://techsupport.services.ibm.com/server/390.psp390>

For program support, access the Software Support Web site at <http://www-3.ibm.com/software/support/>

PSP Buckets are identified by UPGRADEs, which specify product levels, and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for ASF are:

Figure 8. PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
ASF340	HSF1400	ASF V3R4.0
ASF340	JSF1430	DC4ASF WAS for z/OS

3.3 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will advise how you should submit any needed information or documentation.

Figure 9 on page 8 identifies the component IDs (COMPID) for ASF.

<i>Figure 9. Component IDs</i>			
FMID	COMPID	Component Name	RETAIN Release
HSF1400	565500200	ASF for z/OS V3R4.0 BASE	400
JSF1430	565500200	DC4ASF WAS for z/OS	430

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of ASF. The program level refers to the APAR fixes incorporated into the program. The service level refers to the PTFs incorporated into the program.

4.1 Program Level Information

No APARs have been incorporated into ASF.

4.2 Service Level Information

No PTFs against this release of ASF have been incorporated into the product tape.

Over time it is HIGHLY recommended that you frequently check the ASF PSP bucket for HIPER and SPECIAL Attention PTFs against all FMID(s) which should be installed.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating ASF. The following terminology is used:

- *Driving system*: the system used to install the program.

The program may have specific operating system or product level requirements for utilizing processes such as binder or assembly utilities during the install.

- *Target system*: the system on which the program is intended to run.

The program may have specific product level requirements such as needing access to another product's library for link-edits that may directly affect the elements during the install or for its basic or enhanced operation. These requirements may be mandatory or optional.

In many cases, the same system can be used as both a driving system and a target system. However, you may want to set up a clone of your system to use as a target system by making a separate IPL-able copy of the running system. The clone should include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Some cases where two systems should be used include the following:

- When installing a new level of a product that is already installed, the new product will delete the old one. By installing onto a separate target system, you can test the new product while still keeping the old one in production.
- When installing a product that shares libraries or load modules with other products, the installation can disrupt the other products. Installing onto a test system or clone will allow you to assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install ASF.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

<i>Figure 10. Driving System Software Requirements</i>	
Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5694-A01	z/OS V1.07.0 or later
5655-G44	IBM SMP/E for z/OS V3.04.0 or later

ASF invokes UNIX shell scripts during installation of Document Connect feature. These shell scripts require OPEN EDITION

Document Connect feature is installed into a file system, either HFS or zFS. Before installing Document Connect feature, you must ensure that the target system HFS or zFS data sets are available for processing on the driving system. OMVS must be active on the driving system and the target system HFS or zFS data sets must be mounted on the driving system.

If you plan to install Document Connect feature in a zFS file system, this requires that zFS be active on the driving system. Information on activating and using zFS can be found in z/OS Distributed File Service zSeries File System Administration, SC24-5989.

5.2 Target System Requirements

This section describes the environment of the target system required to install and use ASF.

ASF installs in the z/OS (Z038) SREL.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requirements

5.2.2.1 Installation Requisites

An installation requisite is defined as a product that is required and **must** be present or one that is not required but **should** be present on the system for the successful installation of this product.

A mandatory installation requisite identifies products that are required, without exception, or this product **will not install** on your system. This includes products specified as PREs or REQs.

Figure 11. Mandatory Installation Requisites

Program Number	Product Name and Minimum VRM/Service Level
5694-A01	z/OS V1.07.0 or later

A conditional installation requisite identifies products that are **not** required for successful install but may resolve such things as certain warning messages at installation time. They include products that are specified as IF REQs.

ASF has no conditional installation requisites.

5.2.2.2 Operational Requisites

An operational requisite is defined as a product that is required and **must** be present or a product that is not required but **should** be present on the system in order for this product to operate all or some of its functions.

A mandatory operational requisite identifies products that are required, without exception, or this product **will not operate** its basic function unless the requisite is met. This includes products specified as PREs or REQs.

Figure 12. Mandatory Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5655-J38	IMS V9
5655-A01	IMS V10 or later
5655-M15	CICS Transaction Server for z/OS V3.1 or later

A conditional operational requisite identifies products that are **not required** for the basic function but are needed at run time for this product to utilize specific functions. They may include products specified as IF REQs.

Figure 13. Conditional Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level	Function
5748-XX9	Document Composition Facility V1.4.0 The following FMIDs have to be installed: - HSR1401 the common base code - JSR1411 the CICS feature Note: This feature is also required for ASF under IMS. with at least the following PTFS and APARs applied: - PTF UN15120 (APAR PN12161) - PTF UN58443 (APARs PN27883 and PN39828) - PTF UN79261 (APAR PN71567) - PTF UN87763 (APAR PN76775) - PTF UN89989 (APAR PN83692)	
Any one of the following:		
5625-DB2	DB2 UDB Server for z/OS V8	Optional platform for vital ASF-databases and functions like continuous formatting, versioning, release-control
5635-DB2	DB2 UDB Server for z/OS V9	Optional platform for vital ASF-databases and functions like continuous formatting, versioning, release-control
Any one of the following for use of Document Connect feature:		
5655-N01	WebSphere Application Server for z/OS V6.0.2.11/6.0.2.22	Servlet engine and http-server
5655-N01	WebSphere Application Server for z/OS V6.1	Servlet engine and http-server
Any one of the following for use of Document Connect feature:		
5655-L82	WebSphere MQ for z/OS V6.0	Establish connection to host
5655-M69	CICS Transaction Gateway V6	Establish connection to host
5655-R25	CICS Transaction Gateway V7	Establish connection to host
For administering ASF using a graphical user front-end the following is necessary on each client PC:		
5655-U83	IBM Administration Client for ASF V1.0	
	Microsoft Windows and DB2 Connect on the client	

5.2.2.3 Toleration/Coexistence Requisites

A toleration/coexistence requisite is defined as a product that must be present on a sharing system. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

ASF has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites

A negative requisite identifies products that must *not* be installed on the same system as this product.

ASF has no negative requisites.

5.2.3 DASD Storage Requirements

ASF libraries can reside on all supported DASD types.

Figure 14 lists the total space required for each type of library.

<i>Figure 14. Total DASD Space Required by ASF</i>	
Library Type	Total Space Required in 3390 Trks
Target	1100
Distribution	720
HFS or zFS	1500

Notes:

1. IBM recommends use of system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, IBM recommends a block size of 32760, which is the most efficient from a performance and DASD utilization perspective.
2. Abbreviations used for the data set type are:
 - U** Unique data set, allocated by this product and used only by this product. To determine the correct storage needed for this data set, this table provides all required information; no other tables (or Program Directories) need to be referenced for the data set size.
 - S** Shared data set, allocated by this product and used by this product and others. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other Program Directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

- E** Existing shared data set, used by this product and others. This data set is NOT allocated by this product. To determine the correct storage needed for this data set, the storage size given in this table needs to be added to other tables (perhaps in other program directories). This existing data set must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old one and reclaim the space used by the old release and any service that had been installed. You can determine whether or not these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

For more information on the names and sizes of the required data sets, please refer to 6.1.8, "Allocate SMP/E Target and Distribution Libraries" on page 23.

3. Abbreviations used for the HFS or zFS Path type are:

- N** New path, created by this product.
X Path created by this product, but may already exist from a previous release.
P Previously existing path, created by another product.

4. All target and distribution libraries listed have the following attributes:

- The default name of the data set may be changed.
- The default block size of the data set may be changed.
- The data set may be merged with another data set that has equivalent characteristics.
- The data set may be either a PDS or a PDSE.

5. All target libraries listed have the following attributes:

- The data set may be SMS-managed.
- It is not required for the data set to be SMS-managed.
- It is not required for the data set to reside on the IPL volume.
- The values in the "Member Type" column are not necessarily the actual SMP/E element types identified in the SMPMCS.

6. All target libraries listed which contain load modules have the following attributes:

- The data set may be in the LPA.
- It is not required for the data set to be in the LPA.
- The data set may be in the LNKLIST.
- It is not required for the data set to be APF-authorized.

The following figures describe the target and distribution libraries and HFS or zFS paths required to install ASF. The storage requirements of ASF must be added to the storage required by other programs having data in the same library or path.

Note: The data in these tables should be used when determining which libraries can be merged into common data sets. In addition, since some ALIAS names may not be unique, ensure that no naming conflicts will be introduced before merging libraries.

Figure 15. Storage Requirements for ASF Target Libraries

Library DDNAME	Member Type	Target Volume	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
SFSNCLI0	Clist	ANY	U	PDS	VB	12284	30	5
SFSNDAT0	Data	ANY	U	PDS	VB	8188	300	5
SFSNDBRM	Macro	ANY	U	PDS	FB	80	20	1
SFSNDCF	Macro	ANY	U	PDS	FB	80	10	5
SFSNLOD0	LMOD	ANY	U	PDS	U	0	500	40
SFSNMAC0	Macro	ANY	U	PDS	FB	80	30	3
SFSNSRC0	Sample	ANY	U	PDS	FB	80	130	10
SFSNSTUB	LMOD	ANY	U	PDS	U	0	1	1
SFSNSUP0	Macro	ANY	U	PDS	FB	80	60	10

Figure 16. ASF HFS or zFS Paths

DDNAME	T Y P E	Path Name
SFSNHFS	N	/usr/lpp/fsn/dc4asf/IBM

Figure 17 (Page 1 of 2). Storage Requirements for ASF Distribution Libraries

Library DDNAME	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
AFSNCI0	U	PDS	VB	12284	30	5
AFSNDAT0	U	PDS	VB	8188	300	13
AFSNDBRM	U	PDS	FB	80	20	1
AFSNDCF	U	PDS	FB	80	10	5
AFSNHFS	U	PDS	VB	255	1000	1
AFSNMAC0	U	PDS	FB	80	30	3
AFSNMOD0	U	PDS	U	0	200	60
AFSNSRC0	U	PDS	FB	80	130	10
AFSNSTUB	U	PDS	U	0	2	1

Figure 17 (Page 2 of 2). Storage Requirements for ASF Distribution Libraries

Library DDNAME	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
AFSNSUP0	U	PDS	FB	80	60	10

The following figures list data sets that are not used by SMP/E, but are required for ASF to execute.

Figure 18. Storage Requirements for ASF Non-SMP/E Data Sets

Data Set Name	T Y P E	O R G	R E C F M	L R E C L	No. of 3390 Trks	No. of DIR Blks
FSN.ASFV3R4.SRCELIB	U	PDS	FB	80	150	15
FSN.ASFV3R4.JCLLIB	U	PDS	FB	80	30	10
FSN.ASFV3R4.CICS.JCLLIB	U	PDS	FB	80	30	20
FSN.ASFV3R4.IMS.JCLLIB	U	PDS	FB	80	30	20
FSN.ASFV3R4.FSNSQL	U	PDS	FB	80	15	5
FSN.ASFV3R4.DB2.JCLLIB	U	PDS	FB	80	30	20
FSN.ASFV3R4.CUSTLOAD	U	PDS	U	0	50	5
FSN.ASFV3R4.CICS.TAILLOAD	U	PDS	U	0	10	2
FSN.ASFV3R4.IMS.TAILLOAD	U	PDS	U	0	10	2
FSN.ASFV3R4.DB2.TAILLOAD	U	PDS	U	0	10	2

5.3 FMIDs Deleted

Installing ASF may result in the deletion of other FMIDs. To see what FMIDs will be deleted, examine the ++VER statement in the product's SMPMCS.

If you do not wish to delete these FMIDs at this time, you must install ASF into separate SMP/E target and distribution zones.

Note: These FMIDs will not automatically be deleted from the Global Zone. Consult the SMP/E manuals for instructions on how to do this.

5.4 Special Considerations

ASF has no special considerations for the target system.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of ASF.

Please note the following:

- If you want to install ASF into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets.
- Sample jobs have been provided to help perform some or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries required for SMP/E execution have been defined in the appropriate zones.
- The SMP/E dialogs may be used instead of the sample jobs to accomplish the SMP/E installation steps.

6.1 Installing ASF

6.1.1 SMP/E Considerations for Installing ASF

This release of ASF is installed using the SMP/E RECEIVE, APPLY, and ACCEPT commands. The SMP/E dialogs may be used to accomplish the SMP/E installation steps.

6.1.2 SMP/E Options Subentry Values

The recommended values for some SMP/E CSI subentries are shown in Figure 19. Use of values lower than these may result in failures in the installation process. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. Refer to the SMP/E manuals for instructions on updating the global zone.

SUB-ENTRY	Value	Comment
DSSPACE	(150,1,60) TRKs	Size of largest refile if installing Document Connect feature for ASF
DSSPACE	(150,1,1) TRKs	Size of largest refile if not installing Document Connect feature for ASF
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 SMP/E CALLLIBS Processing

ASF uses the CALLLIBS function provided in SMP/E to resolve external references during installation. When ASF is installed, ensure that DDDEFs exist for the following libraries:

- SCEELKED
- CSSLIB
- SDFHLOAD (for CICS)
- RESLIB (for IMS)
- SDSNLOAD (for DB2)
- SDSVLOAD (for DISOSS)

Note: The DDDEFs above are used to resolve the link-edit for ASF using CALLLIBS. These data sets are not updated during the installation of ASF. RESLIB, SDFHLOAD, SDSNLOAD and SDSVLOAD are related to functional requisite products.

If CICS, IMS, DB2, or DISOSS are installed, the DDDEFs for those products **must** point to the real target libraries. If any of these products are not installed, the DDDEFs of the target libraries **must** point to the stub library with the default data set name **FSN.ASFV3R4.SFSNSTUB**.

- SDFHLOAD => DATASET(FSN.ASFV3R4.SFSNSTUB)
- RESLIB => DATASET(FSN.ASFV3R4.SFSNSTUB)
- SDSNLOAD => DATASET(FSN.ASFV3R4.SFSNSTUB)
- SDSVLOAD => DATASET(FSN.ASFV3R4.SFSNSTUB)

Note: Even if you are not using DB2 as database platform for ASF, the DDDEF for SDSNLOAD must point to the target library of the product.

6.1.4 Sample Jobs

The following sample installation jobs are provided as part of the product to help you install ASF:

<i>Figure 20 (Page 1 of 2). Sample Installation Jobs</i>			
Job Name	Job Type	Description	RELFILE
FSNCSIAL	SMP/E	Sample job to allocate SMP/E data sets and Global CSI (Optional)	IBM.HSF1400.F1
FSNCSIIN	SMP/E	Sample job to initialize Global CSI (Optional)	IBM.HSF1400.F1
FSNRECVE	RECEIVE	Sample RECEIVE job	IBM.HSF1400.F1
FSNALLOC	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HSF1400.F1
FSNISMKD	MKDIR	Sample job to invoke the supplied FSNMKDIR EXEC to allocate HFS path for DC4ASF under z/OS - WAS V6.0	IBM.HSF1400.F1
FSNDDDEF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HSF1400.F1
FSNAPPLY	APPLY	Sample APPLY job	IBM.HSF1400.F1

Figure 20 (Page 2 of 2). Sample Installation Jobs

Job Name	Job Type	Description	RELFILE
FSNACCEPT	ACCEPT	Sample ACCEPT job	IBM.HSF1400.F1

You can access the sample installation jobs by performing an SMP/E RECEIVE and then copying the jobs from the relfiles to a work data set for editing and submission. See Figure 20 on page 20 to find the appropriate relfile data set.

You may also choose to copy the jobs from the tape or product files by submitting the job below. Use either the //TAPEIN or the //FILEIN DD statement, depending on your distribution medium, and comment out or delete the other statement. Add a job card and change the lowercase parameters to uppercase values to meet your site's requirements before submitting.

```
//STEP1 EXEC PGM=IEBCOPY
//SYSPRINT DD SYSOUT=*
//TAPEIN DD DSN=IBM.HSF1400.F1,UNIT=tunit,VOL=SER=SF1400,
// LABEL=(2,SL),DISP=(OLD,KEEP)
//FILEIN DD DSN=IBM.HSF1400.F1,UNIT=SYSALLDA,DISP=SHR,
// VOL=SER=filevol
//OUT DD DSNAME=FSN.ASFV3R4.JCLLIB,
// DISP=(NEW,CATLG,DELETE),
// VOL=SER=dasdvol,UNIT=SYSALLDA,
// DCB=*.STEP1.xxxxIN,
// SPACE=(TRK,(30,10,30))
//SYSUT3 DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN DD *
COPY INDD=xxxxIN,OUTDD=OUT
SELECT MEMBER=FSNALLOC
SELECT MEMBER=FSNCSIAL
SELECT MEMBER=FSNCSIIN
SELECT MEMBER=FSNDDDEF
SELECT MEMBER=FSNISMKD
SELECT MEMBER=FSNRECVE
SELECT MEMBER=FSNAPPLY
SELECT MEMBER=FSNACCEPT
SELECT MEMBER=FSNASPA1
SELECT MEMBER=FSNASJB1
/*
```

In the sample above, update the statements as noted below:

If using TAPEIN:

tunit is the unit value matching the product tape.

volser is the volume serial matching the product tape.

x is the tape file number where the data set name is on the tape.

Refer to the documentation provided by CBPDO to see where IBM.fmid.Fy is on the tape.

If using FILEIN

filevol is the volume serial of the DASD device where the downloaded files reside.

OUT

Change **FSN.ASFV3R4** to the appropriate high-level qualifier (FSN.ASFV3R4 is the default) if you choose not to use the default.

dasdvol is the volume serial of the DASD device where the output data set will reside.

SYSIN

xxxxIN is either TAPEIN or FILEIN depending on your input DD statement.

6.1.5 Allocate SMP/E CSI (Optional)

If you are using an existing CSI, do not execute this job.

If you are allocating a new SMP/E environment for this installation, edit and submit sample job FSNCSIAL to allocate the SMP/E data sets and the Global CSI. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

RC = 0

6.1.6 Initialize CSI zones (Optional)

If you are using an existing CSI, do not execute this job.

Edit and submit sample job FSNCSIIN to initialize SMP/E zones for ASF. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

RC = 0

6.1.7 Perform SMP/E RECEIVE

Having obtained ASF as part of a CBPDO, use the RCVPDO job found in the CBPDO RIMLIB data set to RECEIVE the ASF FMIDs as well as any service, HOLDDATA, included on the CBPDO tape. For more information, refer to the documentation included with the CBPDO.

You can also choose to edit and submit sample job FSNRECVE to perform the SMP/E RECEIVE for ASF. Consult the instructions in the sample job for more information.

For mandatory PTFs visit the following web site:

<http://www-306.ibm.com/software/applications/office/asf/asfptfr3.html>

Expected Return Codes and Messages:

RC = 0

6.1.8 Allocate SMP/E Target and Distribution Libraries

Edit and submit sample job FSNALLOC to allocate the SMP/E target and distribution libraries for ASF. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

RC = 0

6.1.9 Allocate HFS or zFS Paths

If you do not plan to install *Document Connect feature* under z/OS, you do not need to allocate the HFS Path.

The target system HFS or zFS data set must be mounted on the driving system when running the sample FSNISMKD job since the job will create paths in the HFS or zFS.

Before running the sample job to create the paths in the file system, you must ensure that OMVS is active on the driving system, and that the target system's HFS or zFS file system is mounted to the driving system. zFS must be active on the driving system if you are installing ASF into a file system that is zFS.

If you plan to install ASF into a new HFS or zFS file system, you must create the mountpoint and mount the new file system to the driving system. For ASF, the recommended mountpoint is: '/usr/lpp/fsn/dc4asf/'

Edit and submit sample job FSNISMKD to allocate the HFS or zFS paths for ASF. Consult the instructions in the sample job for more information.

If you create a new HFS or zFS for this product, you should consider updating the BPXPRMxx PARMLIB member to mount the new file system at IPL time. This may be helpful if an IPL occurs before the installation is complete.

Expected Return Codes and Messages:

RC = 0

6.1.10 Create DDDEF Entries

Edit and submit sample job FSNDDDEF to create DDDEF entries for the SMP/E target and distribution libraries for ASF. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages:

RC = 0

6.1.11 Perform SMP/E APPLY

1. Ensure you have the latest Enhanced HOLDDATA, then edit and submit sample job FSNAPPLY to perform an SMP/E APPLY CHECK for ASF. Consult the instructions in the sample job for more information.

Enhanced HOLDDATA introduces ERROR HOLDS against FMIDs for HIPER APARs. Prior to installing, you should ensure you have the latest Enhanced HOLDDATA (available at url <http://service.software.ibm.com/holdata/390holddata.html>). The FMID(s) should be installed regardless of the status of unresolved HIPERs, however, the software should not be deployed until the unresolved HIPERs have been analyzed to determine applicability.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the APPLY CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

There are two methods to complete an FMID installation where ++HOLDS for HIPERs exist for the FMID(s) being installed:

2. To ensure that all recommended and critical service is installed with the FMID(s), add the SOURCEIDs of PRP, HIPER, and RSU* to the APPLY command. There may be PE or HIPER APARs that do not have resolving PTFs available yet. You need to analyze the symptom flags to determine if you want to BYPASS the specific ERROR HOLDS and continue the FMID installation.

```
APPLY S(fmid,fmid,...)
FORFMID(fmid,fmid,...)
SOURCEID(PRP,HIPER,RSU*,...)
GROUPEXTEND .
```

This method requires more initial research, but will provide resolution for all HIPERs that have fixes available and are not in a PE chain. There may still be unresolved PEs or HIPERs that will require the use of BYPASS.

3. To install the FMID(s) as it would have been installed prior to Enhanced HOLDDATA, you can add a BYPASS(HOLDCLASS(HIPER)) operand to the APPLY command. This will allow the FMID to be installed even though there are HIPER ERROR HOLDS against it. Note that not all ERROR HOLDS were bypassed, only the HIPER ERROR HOLDS. After the FMID(s) are installed, the SMP/E REPORT ERRSYSMODS command should be run to identify any missing HIPER maintenance.

```
APPLY S(fmid,fmid,...)
FORFMID(fmid,fmid,...)
SOURCEID(RSU*)
GROUPEXTEND
BYPASS(HOLDCLASS(HIPER)) .
```

This method is the quicker of the two, but requires subsequent review of the REPORT ERRSYSMODS to investigate any HIPERs.

If you bypass any HOLDS during the installation of the FMID(s) because fixing PTFs were not yet available you can use the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink to be notified when the fixing PTF is available.

4. After you have taken any actions indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

Note: The GROUPEXTEND operand indicates that SMP/E apply all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from APPLY CHECK:

RC = 0

Expected Return Codes and Messages from APPLY:

RC = 4

```
GIM23903W LINK-Edit Processing .....
GIM23913W LINK-Edit Processing .....
IEW2416W Section .....
IEW2480W Ext. Symbol DSN....
IEW2482W The original Def. was in .....
IEW2646W ESD RMODE(24) .....
IEW2651W ESD AMODE(24) .....
```

6.1.12 Perform SMP/E ACCEPT

Edit and submit sample job FSNACCEPT to perform an SMP/E ACCEPT CHECK for ASF. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the following on the ACCEPT CHECK: PRE, ID, REQ, and IFREQ. This is because the SMP/E root cause analysis identifies the cause only of **ERRORS** and not of **WARNINGS** (SYSMODs that are bypassed are treated as warnings, not errors, by SMP/E).

Before using SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. This will cause entries produced from JCLIN to be saved in the distribution zone whenever a SYSMOD containing inline JCLIN is ACCEPTed. For more information on the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E manuals.

Once you have taken any actions indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

Note: The GROUPEXTEND operand indicates that SMP/E accept all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

Expected Return Codes and Messages from ACCEPT CHECK:

RC = 0

If PTFs containing replacement modules are being ACCEPTed, SMP/E ACCEPT processing will link-edit/bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder may issue messages documenting unresolved external references, resulting in a return code of 4

from the ACCEPT step. These messages can be ignored, because the distribution libraries are not executable and the unresolved external references will not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT:

RC = 0

6.1.13 Cleaning Up Obsolete Data Sets, Paths, and DDDEFs

There are no data sets, allocated and used by previous releases of this product, that have to be deleted in conjunction with the installation of this release.

There are no HFS or zFS paths, created and used by previous releases of this product, that have to be deleted in conjunction with the installation of this release.

There are no DDDEF entries, created and used by previous releases of this product, that have to be deleted in conjunction with the installation of this release.

6.2 Activating the Document Connect feature for ASF

For detailed instructions how to install and configure *Document Connect feature* visit the following web site:

<http://www-306.ibm.com/software/applications/office/asf/installinfo.html>

Refer to the version of document "Installing DC4ASF" matching your environment.

6.2.1 HFS or zFS Execution

If you choose to have the HFS or zFS in which you have installed ASF mounted in read-only mode during execution, then no further tasks are required to accomplish this.

Appendix A. Instructions for Post Installation of ASF

A.1 General remarks

It is assumed that the **SMP/E installation** has been finished at this point of time.

We strongly recommend to install all available PTFs of ASF V3R4 before starting the post installation: it saves much time because the corresponding ++HOLD actions won't have to be executed !

The list of available PTFs can be viewed on the Internet:
<http://www.ibm.com/software/applications/office/asf/asfptr4.html>

The post installation of ASF is a mandatory part of the overall installation. It is split into the following major phases:

Phase 1: ASF post installation

This phase comprises all the tasks necessary to build a running ASF system including all components required and adapted to customer needs.

Phase 2: Setup for optional feature Document Connect for ASF

The details for phase 2 setting up Document Connect for ASF are described later in this Program Directory.

Phase 3: Installation verification

This step is performed to verify that the installation has run successfully.

High-level Qualifier "FSN.ASFV3R4"

Whenever you find the data set high-level qualifier "FSN.ASFV3R4" in this document this is the IBM-suggested qualifier for your ASF data sets (VSAM and non-VSAM).

Ensure that the High Level Qualifier is identical in SMP/E Job FSNALLOC and in customization member FSNASPA1 (parameter HLQ). This is mandatory for successful job generation.

A.2 Major differences to the predecessor releases of ASF

A.2.1 Two post installation steps

In the predecessor releases of ASF the system programmer had to specify installation parameters in a single member called FSNASPA0. This member was processed by job FSNASJB0 to generate a JCL library.

Now the post installation consists of two steps. Step 1 works with data set FSN.ASFV3R4.JCLLIB. You need to specify installation parameters in member FSNASPA1 being processed by job FSNASJB1. Step 2 works with a transaction-manager specific secondary JCLLIB where installation parameters are to be specified in new member FSNASPax (x stands for C (CICS), I (IMS), N (DB2) and in separate environment members FSNENVzy (z stands for C (VSAM), I (DL/I), D (DB2), y stands for 1 through 9). These members are processed by job FSNASJB2.

A.2.2 Transaction-manager specific JCL data sets

Depending on the setting of the TRANSMGR (transaction manager) parameter in FSNASPA1 one of the following data sets is generated:

- **FSN.ASFV3R4.CICS.JCLLIB**
- **FSN.ASFV3R4.IMS.JCLLIB**
- **FSN.ASFV3R4.DB2.JCLLIB**

In step 2 you need to specify installation parameters in several members:

- For TRANSMGR=CICS
 - FSNASPAC
 - FSNENVcy
 - FSNENVdy
- For TRANSMGR=IMS
 - FSNASPAI
 - FSNENVly
 - FSNENVdy
- For TRANSMGR=DB2
 - FSNASPAN
 - FSNENVdy

The input in these members is processed by job FSNASJB2.

If installation parameter DBSETUP has been set to DBSETUP=DB2MIXED or DBSETUP=DB2ONLY, the following data set will be generated in addition to the JCLLIB:

- **FSN.ASFV3R4.FSNSQL**

A.2.3 Tailoring load modules

Depending on the setting of the TRANSMGR (transaction manager) parameter in FSNASPA1 one of the following data sets is generated containing the ASF tailoring load modules and the message pools:

- **FSN.ASFV3R4.CICS.TAILLOAD**
- **FSN.ASFV3R4.IMS.TAILLOAD**
- **FSN.ASFV3R4.DB2.TAILLOAD**

The names of the tailoring load modules have changed. They no longer contain a suffix although the source member has a transaction-manager dependent suffix.

- **FSNT000** , base tailoring
- **FSNT100** , environment tailoring
- **FSNTxxx** , language tailoring, where xxx stands for the language code
- **FSNTTRM** , terminal tailoring (optional)
- **FSNTB00** , tailoring for FSNBTCH (Document Composition only)
- **FSNTU00** , user exit tailoring (IMS only)

Note: The names of the source members containing the tailoring parameters still have got a transaction-manager specific suffix.

A.2.4 New data set for customer exits

In this release user exits are no longer link-edited into ASF load modules. They are separate programs residing in data set **FSN.ASFV3R4.CUSTLOAD**.

The names of the customer exit programs must be specified in the ASF base tailoring source member FSNT000x (x =C, I, N).

A.2.5 New data set containing SQL statements

For customers using DB2 databases for ASF (DBSETUP=DB2MIXED or DBSETUP=DB2ONLY) a data set is provided containing the pure SQL statements necessary to create, update, and initialize the DB2 tables. The default name of this data set is **FSN.ASFV3R4.xxx.FSNSQL**. where FSN.ASFV3R4 is the value of parameter HLQ and where xxx stands for the value of parameter TRANSMGR (xxx=CICS, IMS, DB2).

A.2.6 Names of sample jobs to run ASF utilities

The names of the jobs to run ASF utilities consist of the label FSNU concatenated with the four character identifier of the utility, for example FSNUCEXP is the job to run utility FSNCEXP. The job name no longer contains a transaction-manager specific suffix.

A.2.7 Changes of IMS-specific system definitions

We are aware of the fact that system programmers typically do not define all IMS system resources (ACB, PSB, PCB, DBD) for ASF from scratch when upgrading to a new release of ASF.

In the following you can see which IMS system definitions are affected by the upgrade from ASF V3R3 to ASF V3R4. Note:

There is no warranty that the following information is complete. Please refer to those members of installation library <HLQ>.IMS.JCLLIB containing the complete set of IMS system definitions for running ASF V3R4. Please see the installation protocol FSN\$PR2 for a detailed description of the installation jobs.

A.2.7.1 IMS Conversational - IMS SPA size for ASF programs

The IMS SPA size for the ASF programs has been changed from 6112 to 8146. For details see member FSN\$G0x in installation library <HLQ>.IMS.JCLLIB.

A.2.7.2 PSB definitions

The PSB definitions of the following programs have been changed:

- FSNASF1I, FSNASF3I, FSNWEB1I
The SIBW database FSNDBSBW is new in ASF V3R4. It is used in the context of the ASF Web client (feature Document Connect for ASF) and has been added to the PSB definition of the programs specified.
- FSNBTCHI, FSNBTC2I
The SLL database FSNDBSLL has been added to the PSB definition.
- FSNBRULI, FSNBRRLI
The CLL database FSNDBCLL and the SIBW database FSNDBSBW have been added to the PSB definition.

PSB definitions for the following programs have been added:

- FSNWGLLI, FSNGDBSI
Both programs are used in the context of the ASF Web client.

For a complete set of the PSB definitions see member FSNFPB0x in installation library <HLQ>.IMS.JCLLIB.

A.2.7.3 DBD definitions

The DBD definitions of the following databases have been changed for performance reasons:

- SLL, CLL, FLL
The setting PTR=TB has been changed to PTR=NT.

The DBD definition of the following database has been added:

- SBW
The database FSNDBSBW is new in ASF V3R4. It is used in the context of the ASF Web client.

For a complete set of the DBD definitions see member FSNFDD0x in installation library <HLQ>.IMS.JCLLIB.

A.2.8 Changes of CICS-specific system definitions

A.2.8.1 PPT Entries for ASF tailoring load modules

The names of the ASF tailoring load modules have changed:

- FSNT000 instead of FSNT000C
- FSNT100 instead of FSNT100C
- FSNTxxx instead of FSNTxxxC, where xxx stands for the language code.

Make sure you adapt your PPT definitions accordingly or pick up the corresponding PPT entries from member FSNPPPT of installation library <HLQ>.CICS.JCLLIB.

A.2.8.2 PPT Entries for ASF customer exit programs

As customer exit programs are independent CICS programs in ASF V3R4, you need to create corresponding PPT entries for each exit used in the online environment

A.2.8.3 DB2 plan considerations

When ASF CICS programs working with ASF-DB2 databases interact with customer programs also accessing DB2 databases, you may experience conflicts because ASF programs as default activate their own DB2 packageset. These DB2 packageset conflicts can be solved by setting ASF base tailoring parameter RESPCKG=1.

A.2.9 Changes of DB2-specific system definitions

A.2.9.1 DB2-code page setting in ASF

Note

When running ASF with DB2 databases it is absolutely mandatory to set the ASF base tailoring parameter DB2CSID to the same value as the code page defined in the DB2 system table HDECP.

If you have specified a DB2CSID value in ASF V3R3 (or ASF V3R2) different from your HDECP setting, you have to migrate the ASF databases GIL and SLL to match the DB2 code page setting. Proceed as follows:

- Unload the GIL (SLL) database using utility FSNBRUL
- Change the base tailoring setting for DB2CSID to the correct value
- Reload the GIL (SLL) database using utility FSNBRRL

A.2.9.2 Running ASF batch programs with DB2 databases

When running ASF with DB2 databases (installation parameter DBSETUP=DB2MIXED or DB2SETUP=DB2ONLY) the following two control cards are mandatory in jobs running ASF batch programs:

- DB2PLAN(<DB2 plan name>)
- DB2SSNM(<DB2 subsystem name>)

A.3 The ASF post installation

A.3.1 Concepts

During the post installation process sample jobs in the JCL libraries are generated from skeletons and parameters that need to be specified by the system programmer.

The ASF post installation consists of two steps. In step 1 you need to work with library FSN.ASFV3R4.JCLLIB. Specify installation parameters in member FSNASPA1 and run job FSNASJB1. The most important installation parameters in FSNASPA1 are TRANSMGR and DBSETUP. They must be set appropriately to achieve a correct setup of the installation.

Depending on the setting of parameter TRANSMGR in FSNASPA1 the following data sets are generated:

- For TRANSMGR=CICS:
 - **FSN.ASFV3R4.CICS.JCLLIB**
 - **FSN.ASFV3R4.CICS.TAILLOAD**
- For TRANSMGR=IMS:
 - **FSN.ASFV3R4.IMS.JCLLIB**
 - **FSN.ASFV3R4.IMS.TAILLOAD**
- For TRANSMGR=DB2:
 - **FSN.ASFV3R4.DB2.JCLLIB**
 - **FSN.ASFV3R4.DB2.TAILLOAD**

Recommendation for setting of installation parameter HLQ

The name of the data sets mentioned before are a concatenation of the value of installation parameter HLQ (such as FSN.ASFV3R4) and a suffix (such as CICS.JCLLIB). For the setting TRANSMGR=CICS and TRANSMGR=IMS we recommend to chose a value of HLQ that takes care of the setting of installation parameter DBSETUP:

Figure 21. Recommendations for HLQ setting

TRANSMGR	DBSETUP	HLQ
CICS	DB2NO	FSN.ASFV3R4.VSAM
CICS	DB2MIXED	FSN.ASFV3R4.DB2MIXED
CICS	DB2ONLY	FSN.ASFV3R4.DB2ONLY
IMS	DB2NO	FSN.ASFV3R4.DLI
IMS	DB2MIXED	FSN.ASFV3R4.DB2MIXED
IMS	DB2ONLY	FSN.ASFV3R4.DB2ONLY

Such setting helps to have clearly separated JCL libraries in case you need to run more than one post installations, for example when

- Running ASF for IMS and CICS in parallel.
- Running ASF with DB2 in the administration, but using IMS or CICS for production.
- Running ASF with VSAM or DL/I databases and setting up a test environment for running ASF with DB2 databases.

Using DB2 as database for ASF under IMS or CICS

To use DB2 as database environment for ASF under IMS or CICS you have to specify installation parameter DBSETUP in member FSNASPA1 accordingly. TRANSMGR=DB2 only applies if you want to run the feature Document Connect for ASF (DC4ASF) using DB2 stored procedures rather than IMS or CICS transactions.

In step 2 you need to work with the new JCLLIB. It contains

- The protocol member **FSN\$PR1**
It shows all parameters having been specified in FSNASPA1 and - if found - error and warning messages.
- The read-only member **FSN\$READ**
It must not be changed.
- One of the following members
 - **FSNASPAC** for TRANSMGR=CICS
 - **FSNASPAI** for TRANSMGR=IMS
 - **FSNASPAN** for TRANSMGR=DB2

- One or more (max. 9) environment specific members (FSNENVzy):
The environment members are generated according to the setting of the installation parameters DBSETUP and ENVCOUNT (number of ASF database environments) specified in member FSNASPA1 of library FSN.ASFV3R4.JCLLIB:
 - **FSNENVcy** containing CICS-specific database definitions
 - **FSNENVly** containing IMS-specific database definitions
 - **FSNENVdy** containing DB2-specific database definitions

Note: y stands for one of the numbers from 1 through 9.

ASF supports more than nine generations of its databases

The installation process generates a maximum number of nine FSNENVzy members. Each member contains the jobs for the environment specific database definitions.
If you need to support more sets of ASF databases, copy and modify the FSNENVzy members accordingly. There is no upper limit for the number of databases ASF can support in parallel.

You need to specify installation parameters in member FSNASPax and in the environment members. Running job FSNASJB2 afterwards generates the important installation protocol **FSN\$PR2** and the entire set of jobs to

- Allocate the data sets needed by ASF
- Define ASF resources to the transaction manager
- Load initial records to the ASF data sets
- Run ASF utilities

Follow the instructions in FSN\$PR2 for completion of the post installation.

Warning concerning use of jobs from predecessor releases

If you want to use jobs you are used to run in predecessor releases of ASF V3R4, make sure they comply with the settings of the equivalent jobs provided with this release.

A.3.2 Setting up the ASF installation for different transaction managers or database environments

Your IT environment may have a need to run ASF under both CICS and IMS. Or you may want to run ASF in different database environment, such as DB2 for the administration while still using VSAM or DL/I for the production environment.

To achieve this proceed as follows after having completed the two post-installation steps:

- Create copies of the following libraries:
 - FSN.ASFV3R4.xxx.JCLLIB
 - FSN.ASFV3R4.xxx.TAILLOAD
 - FSN.ASFV3R4.SRCELIB

This library contains the transaction manager specific tailoring source members that are to be saved.

- Edit member FSNASPA1 in library FSN.ASFV3R4.JCLLIB.
- Adapt the setting of installation parameters TRANSMGR and/or DBSETUP accordingly.

Example 1: You have installed ASF under IMS with databases using DL/I only. You want to create an additional setup of ASF also under IMS that uses DB2 for the GIL, SLL, and CLL. To achieve this you need to leave TRANSMGR=IMS and need to set DBSETUP=DB2MIXED.

Example 2: You have installed ASF under IMS with databases using DL/I only. You want to create an additional setup of ASF under CICS that uses DB2 for all ASF databases. To achieve this you need to set TRANSMGR=CICS and need to set DBSETUP=DB2ONLY.

- File your changes of member FSNASPA1 and run job FSNASJB1.
- Proceed with the description for step 2 of the post installation.

As a result of the two post installations you will have two JCLLIBs containing the jobs to run the ASF utilities in the different environments within the same ASF installation.

A.3.3 Setup of ASF for support of IBM Administration Client for ASF

The optional product IBM Administration Client for ASF (further on referred to as administration client) provides a graphical user interface for the ASF administration. The Eclipse-based client PC code directly accesses the ASF databases GIL and UPL in DB2.

To setup ASF for the graphical administration interface proceed as follows:

- Set installation parameters DBSETUP=DB2ONLY and INSTADMC=YES in parameter file FSNASPA1.
- Run job FSNASJB1.
- Follow the instructions of protocol FSN\$PR1.
- Continue with the post installation.
- Set base tailoring parameters ADMC=1 and DBSETUP=2.
- Make sure the IBM DB2 driver for JDBC and SQLJ is part of your DB2 installation. It is contained in the following FMIDs:
 - For DB2 V8 (5625-DB2): FMID JDB8812
 - For DB2 V9 (5635-DB2): FMID JDB9912

Note:

- DB2 for ASF administration but VSAM or DL/I in test or production ?
ASF supports setup of different environments for administration, test, and production in one installation using different database organization. So the need of DB2 for the administration client does not imply the need of DB2 in test or in production.
- Having used ASF with DB2 before - what needs to be done ?

Make sure to upgrade the ASF DB2 tables existing so far by adding additional columns needed and by applying the necessary modifications.
The installation protocol FSN\$PR2 provides detailed information on this.

A.4 Migration of databases from ASF V3R3

A.4.1 Migration of the UPL

Figure 22. UPL migration from V3R3 to V3R4 - Overview

From V3R3 to V3R4	VSAM	DL/I	DB2
VSAM	<1>	—	<2>
DL/I	—	<3>	<4>

A.4.1.1 <1> - Migration of a V3R3 VSAM-UPL to a V3R4 VSAM-UPL

Although ASF V3R4 exploits reserved space of the UPL record (initialized with binary zeroes) the basic record layout of the UPL under VSAM is the same for ASF V3R3 and ASF V3R4. Therefore a data migration is not necessary. You can continue to use the VSAM cluster of the UPL from ASFV3R3 in ASF V3R4.

If you are using a new VSAM cluster for the UPL in ASF V3R4, you can take over the data from the V3R3 UPL to the V3R4 UPL in a two-step process:

- Unload the V3R3 UPL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 UPL using utility FSNBRRL from your V3R4 installation.

A.4.1.2 <2> - Migration of a V3R3 VSAM-UPL to a V3R4 DB2-UPL

If you have set installation parameter DBSETUP=DB2ONLY, the UPL in ASF V3R4 will be a DB2 database. The takeover of data from the VSAM-UPL of V3R3 to the DB2-UPL in V3R4 is a two-step process:

- Unload the V3R3 UPL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 UPL using utility FSNBRRL from your V3R4 installation.

A.4.1.3 <3> - Migration of a V3R3 DL/I-UPL to a V3R4 DL/I-UPL

Although ASF V3R4 exploits reserved space of the UPL record (initialized with binary zeroes) the basic record layout of the UPL under DL/I is the same for ASF V3R3 and ASF V3R4. Therefore a data migration is not necessary. You can continue to use the DL/I database of the UPL from ASFV3R3 in ASF V3R4.

If you are using a new DL/I database for the UPL in ASF V3R4, you can take over the data from the V3R3 UPL to the V3R4 UPL in a two-step process:

- Unload the V3R3 UPL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 UPL using utility FSNBRRL from your V3R4 installation.

A.4.1.4 <4> - Migration of a V3R3 DL/I-UPL to a V3R4 DB2-UPL

If you have set installation parameter DBSETUP=DB2ONLY, the UPL in ASF V3R4 will be a DB2 database. The takeover of data from the DL/I-UPL of V3R3 to the DB2-UPL in V3R4 is a two-step process:

- Unload the V3R3 UPL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 UPL using utility FSNBRRL from your V3R4 installation.

A.4.2 Migration of the GIL

<i>Figure 23. GIL migration from V3R3 to V3R4 - Overview</i>			
From V3R3 to V3R4	VSAM	DL/I	DB2
VSAM	(1)	—	(2)
DL/I	—	(3)	(4)
DB2	—	—	(5)

A.4.2.1 (1) - Migration of a V3R3 VSAM-GIL to a V3R4 VSAM-GIL

The migration of a V3R3 VSAM-GIL to a V3R4 VSAM-GIL is performed as part of the post installation of ASF with the following settings of the major installation parameters: TRANSMGR=CICS and DBSETUP=DB2NO. For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.VSAM. The protocol FSN\$PR2 of installation library FSN.ASFV3R4.VSAM.CICS.JCLLIB contains a description of the jobs needed in the context of the migration of GIL data from V3R3. The migration consists of two steps. In step 1 the GIL data are read, migrated, and written to a sequential data set using the migration utility FSNMGILC. In step 2 the sequential data set is loaded to the target GIL database using the FSNBRRLC utility of ASF V3R4.

A.4.2.2 (2) - Migration of a V3R3 VSAM-GIL to a V3R4 DB2-GIL

The migration of a V3R3 VSAM-GIL to a V3R4 DB2-GIL consists of the following steps:

1. Post installation of ASF with the following settings of the most important installation parameters: TRANSMGR=CICS and DBSETUP=DB2NO. For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.VSAM.

This step includes the migration of the V3R3 VSAM-GIL to an V3R4 VSAM-GIL. For details see the protocol FSN\$PR2 of installation library FSN.ASFV3R4.VSAM.CICS.JCLLIB.

2. Unload of the V3R4 GIL (filled in the previous step) to a sequential data set (FSNSAVE) using V3R4 utility FSNBRULC.
3. Post installation of ASF with the following settings of the most important installation parameters: TRANSMGR=CICS and DBSETUP=DB2MIXED or DBSETUP=DB2ONLY (depending on the configuration needs). For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DB2.

This step includes the setup of the DB2 resources (databases, tables, etc.). For details see the protocol FSN\$PR2 of installation library FSN.ASFV3R4.DB2.CICS.JCLLIB.

Note: The HLQ for the post installation with DB2 is different from the post installation with VSAM to not overwrite the installation library FSN.ASFV3R4.VSAM.CICS.JCLLIB from the first step of this migration path.

4. Reload of the FSNSAVE data set created in step 2 to the DB2-GIL using V3R4 utility FSNBRRLC.

A.4.2.3 (3) - Migration of a V3R3 DL/I-GIL to a V3R4 DL/I-GIL

The migration of a V3R3 DL/I-GIL to a V3R4 DL/I-GIL is performed as part of the post installation of ASF with the following settings of the most important installation parameters: TRANSMGR=IMS and DBSETUP=DB2NO. For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DLI. The protocol FSN\$PR2 of installation library FSN.ASFV3R4.VSAM.DLI.JCLLIB contains a description of the jobs needed to create IMS definitions and to run the migration program for the V3R3 GIL. The migration consists of two steps. In step 1 the GIL data are read, migrated, and written to a sequential data set using migration utility FSNMGILI. In step 2 the sequential data set is loaded to the target GIL database using the utility FSNBRRLI of ASF V3R4.

A.4.2.4 (4) - Migration of a V3R3 DL/I-GIL to a V3R4 DB2-GIL

The migration of a V3R3 DL/I-GIL to a V3R4 DB2-GIL consists of the following steps:

1. Post installation of ASF with the following settings of the most important installation parameters: TRANSMGR=IMS and DBSETUP=DB2NO. For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DLI.

This step includes the migration of the V3R3 DL/I-GIL to an V3R4 DL/I-GIL. For details see the protocol FSN\$PR2 of installation library FSN.ASFV3R4.DLI.IMS.JCLLIB.

2. Unload of the V3R4 GIL (filled in the previous step) to a sequential data set (FSNSAVE) using V3R4 utility FSNBRULI.
3. Post installation of ASF with the following settings of the most important installation parameters: TRANSMGR=IMS and DBSETUP=DB2MIXED or DBSETUP=DB2ONLY (depending on the configuration needs). For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DB2.

This step includes the setup of the DB2 resources (databases, tables, etc.). For details see the protocol FSN\$PR2 of installation library FSN.ASFV3R4.DB2.IMS.JCLLIB.

Note: The HLQ for the post installation with DB2 is different from the post installation with DL/I to not overwrite the installation library FSN.ASFV3R4.DLI.IMS.JCLLIB from the first step of this migration path.

4. Reload of the FSNSAVE data set created in step 2 to the DB2-GIL using V3R4 utility FSNBRRLI.

A.4.2.5 (5) - Migration of a V3R3 DB2-GIL to a V3R4 DB2-GIL

Upgrade of a V3R3 DB2-GIL to the most current maintenance level

By maintenance the tables of the V3R3 DB2-GIL have been altered several times. It is assumed that your V3R3 DB2-GIL database represents the most current maintenance level for this database represented by PTF UK24350. If your ASF V3R3 installation does not contain PTF UK24350, please check member FSNDDB2Ay in your V3R4 installation library FSNSQL. It contains the ALTER statements of all DB2 columns having been added by PTFs to the ASF databases under DB2. Select those statements where the corresponding columns are missing in your ASF DB2-tables and upgrade the DB2-tables accordingly.

The migration of a V3R3 DB2-GIL to a V3R4 DB2-GIL is performed as part of the post installation of ASF with the following settings of the most important installation parameters:

TRANSMGR=CICS or TRANSMGR=IMS

and

DBSETUP=DB2MIXED or DBSETUP=DB2ONLY.

For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DB2.

The protocol FSN\$PR2 of installation library FSN.ASFV3R4.DB2.CICS.JCLLIB or FSN.ASFV3R4.DB2.IMS.JCLLIB contains a description of the jobs performing the upgrade of the applicable DB2 resources.

A.4.3 Migration of the SLL (CLL)

Figure 24. SLL migration from V3R3 to V3R4 - Overview

From V3R3 to V3R4	VSAM	DL/I	DB2
VSAM	{1}	—	{2}
DL/I	—	{3}	{4}
DB2	—	—	{5}

In most ASF installation the CLL database is emptied regularly. However, there are some customer who keep records on the CLL database for a longer period of time. In these situation the following descriptions concerning the migration or takeover of data on the SLL do also apply for the CLL.

A.4.3.1 {1} - Migration of a V3R3 VSAM-SLL (CLL) to a V3R4 VSAM-SLL (CLL)

In ASF V3R3 PTF UQ96733 has introduced a change of the layout of the records on the SLL and CLL. With the PTF a migration program had been delivered. **You must make sure your SLL (CLL) has gone through this migration before doing any takeover to ASF V3R4.** If this migration has been done, you can continue to use your V3R3 SLL also in V3R4.

If you are using a new VSAM cluster for the SLL in ASF V3R4, you can take over the data from the V3R3 SLL to the V3R4 SLL in a two-step process:

- Unload the V3R3 SLL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 SLL using utility FSNBRRL from your V3R4 installation.

A.4.3.2 {2}- Migration of a V3R3 VSAM-SLL (CLL) to a V3R4 DB2-SLL (CLL)

If you have set installation parameter DBSETUP=DB2MIXED or DBSETUP=DB2ONLY, the SLL in ASF V3R4 will be a DB2 database. The takeover of data from the VSAM-SLL of V3R3 to the DB2-SLL in V3R4 is a two-step process:

- Unload the V3R3 SLL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 SLL using utility FSNBRRL from your V3R4 installation.

A.4.3.3 {3} - Migration of a V3R3 DL/I-SLL (CLL) to a V3R4 DL/I-SLL (CLL)

In ASF V3R3 PTF UQ96733 has introduced a change of the layout of the records on the SLL and CLL. With the PTF a migration program had been delivered. **You must make sure your SLL (CLL) has gone through this migration before doing any takeover to ASF V3R4.** If this migration has been done, you can continue to use your V3R3 SLL also in V3R4.

If you are using a new DL/I database for the SLL in ASF V3R4, you can take over the data from the V3R3 SLL to the V3R4 SLL in a two-step process:

- Unload the V3R3 SLL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 SLL using utility FSNBRRL from your V3R4 installation.

A.4.3.4 {4}- Migration of a V3R3 DL/I-SLL (CLL) to a V3R4 DB2-SLL (CLL)

If you have set installation parameter DBSETUP=DB2MIXED or DBSETUP=DB2ONLY, the SLL in ASF V3R4 will be a DB2 database. The takeover of data from the DL/I-SLL of V3R3 to the DB2-SLL in V3R4 is a two-step process:

- Unload the V3R3 SLL to a sequential data set FSNSAVE using utility FSNBRUL from your V3R3 installation.
- Reload the FSNSAVE data set to your V3R4 SLL using utility FSNBRRL from your V3R4 installation.

A.4.3.5 {5} - Migration of a V3R3 DB2-SLL (CLL) to a V3R4 DB2-SLL (CLL)

Upgrade of a V3R3 DB2-SLL (CLL) to the most current maintenance level

By maintenance the tables of the V3R3 DB2-SLL and V3R3-CLL have been altered several times. It is assumed that your V3R3 DB2-SLL (CLL) database represents the most current maintenance level for this database represented by PTF UK24350. If your ASF V3R3 installation does not contain PTF UK24350, please check member FSND2Ay in your V3R4 installation library FSNSQL. It contains the ALTER statements of all DB2 columns having been added by PTFs to the ASF databases under DB2. Select those statements where the corresponding columns are missing in your ASF DB2-tables and upgrade the DB2-tables accordingly.

The migration of a V3R3 DB2-SLL (CLL) to a V3R4 DB2-SLL (CLL) is performed as part of the post installation of ASF with the following settings of the most important installation parameters:

TRANSMGR=CICS or TRANSMGR=IMS

and

DBSETUP=DB2MIXED or DBSETUP=DB2ONLY.

For the high-level qualifier HLQ we suggest a setting identifying the database environment, for example HLQ=FSN.ASFV3R4.DB2.

The protocol FSN\$PR2 of installation library FSN.ASFV3R4.DB2.CICS.JCLLIB or FSN.ASFV3R4.DB2.IMS.JCLLIB contains a description of the jobs performing the upgrade of the applicable DB2 resources.

A.5 PHASE 1: ASF Post Installation

Syntax rules

Note the following rules when filling in members FSNASPax and FSNENVzy containing installation parameters:

- Use uppercase characters.
- Make sure to have balanced pairs of double quotes when specifying values.
- Add a semicolon after the value.
- You can insert comment lines, which must start with: /*
- You can put comments in a parameter line AFTER the semicolon.
- Do not delete any parameter lines.

Throughout this appendix the following placeholders are used within names of data sets or members:

- xxxx

It stands for CICS, IMS, or DB2.

- x

It stands for C(CICS), I(IMS), or N(DB2).

- z

It stands for C(VSAM), I(DL/I), or D(DB2).

- y

It stands for one of the numbers 1 through 9.

Step 1:

Proceed as follows:

1. Update member FSNASPA1 and job member FSNASJB1 in data set FSN.ASFV3R4.JCLLIB.

The following “logical” parts are available for Post Installation:

Figure 25. Installable parts and FMIDs

Installable part	Activating parameter	FMID
ASF using transaction manager CICS	TRANSMGR=CICS	HSF1400
ASF using transaction manager IMS	TRANSMGR=IMS	HSF1400
ASF with feature DC4ASF using transaction manager DB2	TRANSMGR=DB2	HSF1400
National language ENU	INSTENU=YES	HSF1400
National language DEU	INSTDEU=YES	HSF1400
National language FRA	INSTFRA=YES	HSF1400
National language NLD	INSTNLD=YES	HSF1400
National language ESP	INSTESP=YES	HSF1400
National language DAN	INSTDAN=YES	HSF1400

You can choose to first do a “dry run” by selecting the **DRYRUN=YES** option in FSNASPA1. This allows to perform parameter checking without generating the customized installation jobs. The result of the parameter checking is available in member FSN\$PR1 in data set FSN.ASFV3R4.JCLLIB. Use the protocol to verify your parameter settings.

2. Submit job FSNASJB1.

Note: After job submission please free-up FSN.ASFV3R4.JCLLIB because library FSN.ASFV3R4.JCLLIB. is allocated with DISP=OLD in job FSNASJB1.

Check the job output for successful completion by verifying the completion code which should be 0.

After successful completion of the job a new JCL library FSN.ASFV3R4.xxxx.JCLLIB has been generated (xxxx stands for CICS, IMS, or DB2). It contains

- A protocol member FSN\$PR1
- The read-only member FSN\$READ
- The member FSNASPax and environment members FSNENVzy obtaining further installation parameters.

Note: The parts listed before are only generated if parameter DRYRUN is set to NO.

3. Check the customization protocol FSN\$PR1:

Evaluate any error and warning messages at the bottom of the protocol:

If errors were detected during parameter checking, no installation jobs have been generated. You will first have to correct the problem(s) and then re-submit job FSNASJB1.

If you did a dry run, change parameter DRYRUN to NO and rerun job FSNASJB1 to generate the installation jobs.

Note: After job generation (DRYRUN = NO), it might be necessary to generate the jobs again because one or more parameters in parameter file FSNASPA1 have not been set to the correct value.

Step 2:

Edit data set FSN.ASFV3R4.xxxx.JCLLIB and proceed as follows:

1. Update member FSNASPax and the environment members FSNENVzy and specify the installation parameters according to your needs.

You can choose to first do a “dry run” by selecting the **DRYRUN=YES** option in FSNASPax. This allows to perform parameter checking without generating the customized installation jobs. The result of the parameter checking will be available in member FSN\$PR2 after having submitted job FSNASFJB2. Use this member to verify your parameter settings.

2. Submit job FSNASJB2.

Note: After job submission please free-up FSN.ASFV3R4.xxxx.JCLLIB because library FSN.ASFV3R4.xxxx.JCLLIB. is allocated with DISP=OLD in job FSNASJB2.

After job completion the following output should be available in data set FSN.ASFV3R4.xxxx.JCLLIB:

- A protocol for the post installation in member FSN\$PR2.
FSN\$PR2 contains a description of the jobs in the subject library and describes the steps to complete the post installation.
- Ready-to-run jobs needed to finish the installation of the selected “logical” parts for post-installation.
- Additional installation parts needed to complete your installation (for example, CICS tables, IMS stage 1 input).
- Utility execution jobs required for execution after the installation is complete.

Note: Jobs, installation parts and sample utility jobs are only generated if parameter DRYRUN is set to NO.

Check the job for successful completion by verifying the completion code which should be 0.

Check the job output listing for any error messages which may have occurred due to syntactically incorrect specified parameters in member FSNASPax (x stands for C(CICS), I(IMS), or N(DB2)).

3. Check the customization protocol FSN\$PR2:

Verify member FSN\$PR2. It contains an installation protocol listing the parts generated and the actions to be performed next. Evaluate any error and warning messages at the bottom of the protocol:

If errors were detected during parameter checking, no installation jobs have been generated. You will first have to correct the problem(s) and then resubmit job FSNASJB2.

Note:

If you did a dry run, change parameter DRYRUN to NO and rerun job FSNASJB2 to generate the installation jobs.

After job generation (DRYRUN = NO), it might be necessary to generate the jobs again because one or more parameters in member FSNASPAX have not been set to the correct value.

4. Run the jobs from data set FSN.ASFV3R4.xxxx.JCLLIB.

Note: The sequence for job submission is listed in protocol FSN\$PR2.

Submit the jobs one by one. Check the return code of each job **before** submitting the next one. This approach is necessary because some of the jobs require the successful completion of the previous one.

Note: All jobs should finish with a completion code of 0.

Takeover of tailoring settings from ASF V3R3.

Before running the applicable jobs to assemble the base tailoring, environment tailoring, language tailoring, terminal tailoring or tailoring for utility FSNBTCH make sure to take over the applicable tailoring settings from ASF V3R3.

5. Take the additional installation parts and perform the described action for each of them.

Note: A list of these parts is available in protocol FSN\$PR2.

A.6 PHASE 2: Setup for Document Connect for ASF

For detailed instructions how to install and configure ASF-feature *Document Connect for ASF (DC4ASF)* visit the following web site:

<http://www-306.ibm.com/software/applications/office/asf/installinfo.html>

Refer to the version of document "Installing DC4ASF" matching your environment.

A.7 PHASE 3: Installation Verification

If you verify the installation in a language other than US English, you have to specify the corresponding national language command. The messages as described in the following will then appear in the appropriate language.

A.7.1 Verify installation of ASF - Host Functions

A.7.1.1 Verify Base functions (IMS and CICS)

1. Type transaction code **FSN0** in native CICS or in native IMS and press **ENTER**.
 - Result: The Sign-on panel is displayed.
2. Type user ID **xxxADM** and password **xxxADM** (where xxx reflects the language you selected) and press **ENTER**.
 - Result: The main menu xxxSMADM of user xxxADM is displayed.
3. Type **3** and press **ENTER**.
 - Result: The “List User Profiles” panel xxxSLUPL is displayed.
4. Type **xxxADM** in field “Generic Item Name” and press **ENTER**.
 - Result: The “List of user IDs” panel xxxSLUPL is displayed.
5. Type **PWD** in field “Act” and press **ENTER**.
 - Result: The “Change Sign-on Password” panel is displayed.
6. Type a new password for **xxxADM** in field “New password” and in field “Confirm password” and press **ENTER**.
 - Result: The “List of user IDs” panel xxxSLUPL is displayed showing message “FSN1605I Password successfully updated.”
7. Press F-key **Cancel** three times.
 - Result: The message “FSN101I Session terminated” is displayed.

A.7.1.2 Verify Document Composition functions

1. Repeat step 1 and step 2 of paragraph "Verify Base functions" (sign on again) with the new password for user xxxADM.
 - Result: The main menu xxxSMADM of user xxxADM is displayed.
2. Type **xxxSDC** on the command line and press **ENTER**.
 - Result: The Document Composition panel is displayed.
3. Select option **3 Individual Letter** on the Document Composition panel and press **ENTER**.
 - Result: The “Write a Standard Document With Individual Text” panel is displayed.

4. Type **1 2 3** on the Selection line and press **ENTER**.
 - Result: The “Individual-Text Processing” panel is displayed.
5. Type some individual text on the displayed panel and press the F-key **Exit**.
 - Result: The “Write a Standard Document With Individual Text” panel is displayed.
6. Press the F-key **Endsel**. If you cannot find F-key **Endsel** you can get help by pressing F-key **More F-keys** to have extended F-keys displayed.
 - Result: The “You are prompted to enter specific data related to the document you are processing.”
7. Fill in the necessary data and press **ENTER**.
 - Result: The Document Composition Termination panel is displayed.
8. On the Document Composition Termination panel select Action **3 Preview** and press **ENTER**.
 - Result: The sample document is displayed.
9. Press F-key **Cancel**.
 - Result: The Document Composition Termination panel is redisplayed.
10. Press F-key **Cancel** twice.
 - Result: The Document Composition panel is redisplayed.
11. Press F-key **Cancel**.
 - Result: The main menu for the administrator XXXSMADM is redisplayed.

A.7.1.3 Verify installation of Document Writing feature

Make sure that parameter DW370OPR has been set to 1 in source member FSNT000C before assembling the base tailoring load module FSNT000.

1. Repeat step 1 and step 2 of paragraph "Verify Base functions" (sign on again) with the new password for user xxxADM.
 - Result: The main menu xxxSMADM of user xxxADM is displayed.
2. Type **ENUSDW** on the command line and press **ENTER**.
 - Result: The Document Writing panel is displayed.
3. Select option **1 New Document** on the Document Writing panel and press **ENTER**.
 - Result: The “Write a New Document” panel is displayed.
4. Type as Document name **INSTALL TEST** and as Subject **Installation Verification** and press **ENTER**.
 - Result: The DisplayWrite/370 Edit panel is displayed.
5. Type some text and press the F-key **END**.
 - Result: The Write a New Document panel is redisplayed with message 'FSN1001I Item INSTALL TEST saved in document cabinet'.

6. Press F-key **Cancel**.
 - Result: The Document Writing panel is redisplayed.
7. Press F-key **Cancel**.
 - Result: The Main Menu for the Administrator panel is redisplayed.
8. Press F-key **Cancel**.
 - Result: The message “FSN101I Session terminated” is displayed.

A.7.1.4 Verify installation of a national language

Note: This step is only applicable if more than one language is installed.

1. Type user ID **xxxADM** and password **xxxADM** (where xxx is your base language) and press **ENTER**.
 - Result: The main menu xxxSMADM of user xxxADM is displayed.
2. Type **xxxLMF9** on the command line and Press **ENTER**.
 - Result: The “User Profile Maintenance” panel is displayed.
3. Overtyping in the User ID field **xxxADM** (your User ID of the previous step), mark session control settings with an **X**, and press **ENTER**.
 - Result: The “Session Control Settings” panel is displayed.
4. Type in the session language field the language ID of your alternate language and press F-key **Exit**.
 - Result: The “User Profile Maintenance” panel is redisplayed with message “FSN320I Item ENUADM has been modified.”
5. Press F-key **Cancel** twice.
 - Result: The message “FSN101I Session terminated” is displayed.
6. Log on again with **xxxADM** by repeating step 1 and step 2.
 - Result: The main menu xxxSMADM of user xxxADM and the F-keys are now displayed in the selected language.
 - Note: You can use your alternate transaction code for the selected language as defined in base tailoring (FSNT000C or FSNT000I) to get the sign-on panel also in this language.
7. Press F-key **Cancel** to logoff from the system.
 - Result: The message “FSN101I Session terminated” for the selected language is displayed.

A.7.2 Verify installation of ASF-feature Document Connect for ASF

A.7.2.1 Verify Login Function

1. Start Browser by entering **http://hostname/web-application-name**

Note: web-application-name is the name of the application as defined by the administrator.

- Result: The Login-panel is displayed. The language of the panel is the language which has been defined during system setup.
2. Enter user ID **xxxADM** and password **xxxADM** in the appropriate fields of the Browser window. Change field Hostname if the system-name displayed as default is not correct, then click on **LOGIN-Button**
xxx reflects the language you selected ..
 - Result: The main menu for the administrator of user xxxADM is displayed (xxxSMADM).
 3. Verify this by moving the cursor to the Help Icon on the menu-bar
 - Result: The help menu is displayed
 4. In the help-menu select the entry **Show item IDs**
 - Result: The item-names are displayed in parenthesis for each item on the main menu.

A.7.2.2 Verify Document Composition functions

1. Move the cursor within the work area and **press** the right mouse button.
 - Result: The context menu is displayed showing the entries Properties, Help and Command line
2. Move the cursor to the entry Command line which now changes the colour to blue (gets emphasis).
Press the right mouse button.
 - Result: The **Command line - Web Page Dialog** window is displayed.
3. Enter **xxx DC** in the input field and click the **OK-Button**.
 - Result: The "Document Composition" menu is displayed.
4. Select the first sub-entry by moving the cursor to the entry called **Invitation to Interview** and double-click the left mouse button.
 - Result: The "Invitation to Interview " paragraph-selection tree is displayed with some of the paragraphs selected.
5. On the button bar select **Finish selection**.
 - Result: The parameter prompting window is displayed.
6. Fill in the necessary data and select **Finish prompting** on the button bar.
 - Result: The Document Composition Termination window is displayed.
7. On the Document Composition Termination window select **Preview**.

- Result: The sample document is displayed in a separate window.
8. **Close** the window showing the sample document.
 - Result: The Document Composition Termination window is redisplayed.
 9. Click the **Close** on the button bar.
 - Result: A prompting message is displayed asking whether you intend to leave the application without saving the document.
 10. Click **OK**.
 - Result: The Login window is redisplayed.

A.8 Description of installation parameters

This chapter describes each installation parameter:

You find the the name of the parameter, the IBM default value, which is underlined, and alternative values, separated by |.

Then follows a description of the parameter together with additional information as length, relationships to other parameters etc.

As a general recommendation it is suggested to adapt only the parameters for:

- Job card information (parameters JOBLIN1 to JOBLIN6)
- Data set qualifiers (parameters FSNHLQ, VSMHLQ)

Hint: Try to use *one common* value for these four parameters, it helps not getting lost in different ASF data set names.

- Disk volume names (parameters FSNVOL, VSMVOL)
- Data set names of prerequisite products

A.8.1 Installation parameters in member FSNASPA1

DRYRUN = “YES” | “NO”

Allows you to run the customizer just for checking the parameters.

- NO: job generation **and** the customization will be done if no errors occurred.
- YES: only the customization parameters will be checked, no jobs are generated.

TRANSMGR = “CICS” | “IMS” | “DB2”

Specify one of the values to define your transaction manager.

- CICS: Running ASF under CICS
- IMS : Running ASF under IMS
- DB2 : Running ASF with feature DC4ASF using DB2 stored procedures

ENVCOUNT = “1” | “2 - 9”

Specify the number of ASF database environments you need.

DBSETUP = “DB2NO” | “DB2MIXED” | “DB2ONLY”

Specify one of the values to define the setup of your ASF databases.

- DB2NO : VSAM databases (CICS) or DLI databases (IMS)
- DB2MIXED: DB2 for CLL, SLL, GIL
- DB2ONLY : DB2 for all databases (mandatory if TRANSMGR = DB2)

HLQ = "FSN.ASFV3R4" | Value

The high-level qualifier for the JCLLIB and TAILLOAD data sets depending on the value specified in parameter TRANSMGR, for example 'FSN.ASFV3R4.IMS.JCLLIB'. Change FSN.ASFV3R4 to the appropriate high-level qualifier if you choose not to use the default.

We recommend to include an identifier in the HLQ representing the type of database being used, for example 'FSN.ASFV3R4.VSAM' for TRANSMGR=CICS and DBSETUP=DB2NO.

INSTDC = "YES" | "NO"

Installation of the document composition functions interacting with DCF.

INSTDW = "YES" | "NO"

Installation of the DW feature interacting with DisplayWrite/370.

INSTDW=YES requires TRANSMGR=CICS.

INSTSTOR = "YES" | "NO"

Storing in DISOSS/370.

INSTSTOR=YES requires TRANSMGR=CICS.

INSTCOEX = "YES" | "NO"

Activate coexistence with OfficeVision/MVS.

INSTCOEX=YES requires TRANSMGR=CICS.

INSTADMC = "YES" | "NO"

Activate support for IBM Administration Client for ASF.

INSTADMC=YES requires DBSETUP=DB2ONLY.

A.8.2 Transaction manager CICS, installation parameters in member FSNASPAC

DRYRUN = "YES" | "NO"

Allows you to run the customizer just for checking the parameters.

- NO: job generation **and** the customization will be done if no errors occurred.
- YES: only the customization parameters will be checked, no jobs are generated.

JOBLIN1 - JOBLIN6 = "/*" | Value

JCL job information: first through sixth line of JOB card

- Value: the job information
- Length of Value: as defined in your JES installation

JOBOUTC = "*" | Value

JCL job information: output class for SYSOUT data sets

- Value: the job output class you use
- Length of Value: as defined in your JES installation

WDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA work disk parameter
Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA sort work disk parameter
Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SMS = “NO” | “YES”

Indicates whether DFSMS (Storage Management Subsystem) is installed or not
If DFSMS is installed, no VOLSER and UNIT specification are generated in the installation jobs.

- NO: DFSMS is not installed
- YES: DFSMS is installed

Note: No DATACLAS or STORCLAS and so on is generated; this has to be inserted in JCL if applicable.

LKEDNAME = “IEWL” | Value

Name of the used Linkage Editor/Binder.

- Value: the name in your installation
- Length of Value: 1 to 4

ASSNAME = “ASMA90” | Value

Name of the used Assembler.

- Value: the name in your installation
- Length of Value: 1 to 5

ASSOUT = “SYSLIN” | Value

Name of the assembler output DD statement.

- Value: the name in your installation
- Length of Value: 1 to 8

SORTLIB = “SYS1.SORTLIB” | Value

The name of the data set that contains SORT/MERGE.

- Value: the data set name in your installation
- Length of Value: 1 to 44

CODEPAGE = “1140” | Value

Indicates which terminal keyboard will be used when you work with a member on the SRCELIB library.

This parameter is used to create the sample jobs for code page translation using program FSNACPM (jobs: FSNUACPF and FSNUACPT).

For details see description of program FSNACPM in the *Administration Guide*, SH12-6734.

The value of this parameter must match the value of the default keyboard codepage ID (INSTKB) that you have specified in member FSNT000C in library SRCELIB.

- 1140: Terminal Group 2: Belgium, Brazil, Canada, Netherlands, Portugal, USA
- 1141: Terminal Group 2: Austria, Germany
- 1142: Terminal Group 2: Denmark, Norway
- 1143: Terminal Group 2: Finland, Sweden
- 1144: Terminal Group 2: Italy
- 1145: Terminal Group 2: Latin America (Spanish speaking), Spain
- 1146: Terminal Group 2: United Kingdom
- 1147: Terminal Group 2: France
- 1148: Terminal Group 2: Switzerland
- 1149: Terminal Group 2: Iceland

FSNHLQ = “FSN.ASFV3R4” | Value

The high-level qualifier for non-VSAM data sets. The following ASF data sets will be allocated and/or accessed under this qualifier:

- SMP/E distribution libraries: FSN.ASFV3R4.AFSNxxxx.
- SMP/E target libraries: FSN.ASFV3R4.SFSNxxxx.
- Additional ASF non-VSAM data sets

- Value: the qualifier
- Length of Value: 1 to 26

Note: The value for FSNHLQ has to match the HLQ from SMP/E job FSNALLOC

FSNUNIT = “SYSDA” | Value

The Direct-Access Storage Device (DASD) on which the product specific non-VSAM data sets are to be allocated. This must be one of the valid unit names on your system.

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

FSNVOL = “NONE” | Value

The volume serial identifier of the volume on which the product-specific non-VSAM data sets are to be allocated.

Only applicable if SMS is **NOT** installed.

- Value: the volume or NONE (see note below)

- Length of Value: 1 to 6

Note: If you specify **NONE** as value for parameter FSNVOL, the generation of the VOL=SER= JCL statement within the allocations of the non-VSAM data sets is suppressed.

LELKED = “SYS1.SCEELKED” | Value

Language Environment link library

- Value: the data set name in your installation
- Length of Value: 1 to 44

LERUN = “SYS1.SCEERUN” | Value

Language Environment runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

LERUN1 = “SYS1.SCEECICS” | Value

Language Environment runtime library for CICS

- Value: the data set name in your installation
- Length of Value: 1 to 44

FSNPROF = “FSNRPRO” | “Value”

PROFILE NAME

Note: For detailed information about the PROFILE NAME, see the *CICS/TS Resource Definition GUIDE SC34-5990*.

- Value: the profile name
- Length of Value: 1 to 8

RECOVERY = “BACKOUTONLY” | “NONE” | “ALL”

Indicates the recovery to be done for ASF data sets.

This parameter is used for the RDO definitions of the ASF vital data sets. The work data sets are defined with RECOVERY(NONE).

Note: For detailed information about the RECOVERY parameter, see the *CICS/TS Resource Definition Guide SC34-5990*.

- NONE: No recovery logging for ASF data sets
- BACKOUTONLY: Log before images to the system log
- ALL: Log before images to the system log, and after images to the journal specified in parameter RECOVLOG

RECOVLOG = “NO” | “Value”

Specifies the journal after images for forward recovery are written to.

This parameter is only used if RECOVERY = ALL is specified.

Note: For detailed information about the RECOVERY parameter, see the *CICS/TS Resource Definition Guide SC34-5990*.

- NO: Forward recovery not used
- Value: Any value in the range 1 through 99

ERRPREF = “FSN” | “Value”

Transaction Prefix for error handler program FSNERRH

This parameter is used during phase 2 only.

The value of this parameter must match the value of the transaction prefix specified in parameter ASPREF in the members FSNT000C and FSNT100C in library SRCELIB.

If you use more than one transaction family (more than one FSNTTXC macro within FSNT000C), the prefix for FSNERRH must match **one** of the ASPREF values you specified.

All transaction families you use are supported by the same error handler transaction (only one is needed).

- Value: the transaction prefix
- Length of Value: 3

TCTDISP = “0” | “Value”

Offset of the TCTUA part of Application Support Facility within the TCTUA

The value of this parameter must match the value of the TCTUA offset (TCTDISP) you have specified in member FSNT000C in library SRCELIB.

Note:

ASF needs 16 bytes within the TCTUA

The default value of '0' assumes that the ASF part starts at the beginning of the TCTUA (offset 0).

The maximum TCTUA size can be 256 bytes. Therefore the highest possible offset for ASF can be 240 (the last 16 bytes for ASF).

Example: If you have specified a TCTUALENGTH of 150 in the TCT for your terminals and your applications need this 150 bytes, increase the TCTUALENGTH to 166 and set the TCTDISP parameter to 150 (next free byte minus 1).

- Value: the TCTUA offset for ASF
- Length of Value: 1 to 3

CICSLIB = “SYS1.SDFHLOAD” | Value

CICS LOAD LIBRARY

- Value: the data set name in your installation
- Length of Value: 1 to 44

CICSMAC = “SYS1.SDFHMAC” | Value

CICS MACLIB

- Value: the data set name used in your installation
- Length of Value: 1 to 44

CICSCSD = “FSN.ASFV3R4.DFHCSO” | Value

CICS CSD data set name. This data set will be used for the RDO definitions created during follow-on installation.

- Value: the data set name in your installation
- Length of Value: 1 to 44

FSNGROUP = “FSNRGROU” | “Value”

GROUP name of the group that will contain ASF definitions.

- Value: the GROUP name
- Length of Value: 1 to 8

FSNLIST = “FSNRLIST” | “Value”

GROUPLIST used in your CICS start-up job

The value specified in parameter FSNGROUP will be added to this list by job FSNIRDO.

- Value: the GROUPLIST name used in your CICS start-up job
- Length of Value: 1 to 8

TBLSUFF = “AS” | “Value”

The suffix used for your CICS tables.

- Value: the CICS table suffix
- Length of Value: 1 to 2

Note: The parameters DCFLIB through DCFIMBD only apply if parameter INSTDC has been set to YES in member FSNASPA1

DCFLIB = “SYS1.DCF.LINKLIB” | Value

The data set name of the DCF Release 4 load library.

- Value: the data set name in your installation
- Length of Value: 1 to 44

GMLINP = “SYS1.DCF.SEQ” | Value

The name of the data set that contains the DCF GML TAG input for utility FSNCDCE.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFONT = “SYS1.FONT3820” | Value

The name of the data set that contains your FONTS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPSEG = “SYS1.PSEGLIB” | Value

The name of the data set that contains your PSEGS

- Value: the data set name in your installation

- Length of Value: 1 to 44

DCFCPYGP = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your COPYGROUPS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFDEF = “SYS1.FDEFLIB” | Value

The name of the data set that contains your FORMDEFS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFOVLY = “SYS1.OVERLIB” | Value

The name of the data set that contains your OVERLAYS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPROF = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF profiles.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFMACL = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF macros.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFIMBD = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF IMBEDS .

- Value: the data set name in your installation
- Length of Value: 1 to 44

Note: The parameters DBLSZ, DDDMAST and DDDMSRC only apply if parameter INSTDW has been set to YES in member FSNASPA1

DBLSZ = “8192” | “Value”

CISIZE for records of the Document Body Library (DBL) and Text Body Library (TBL).

- Value: CISIZE for your DBL and TBL
- Length of Value: 1 to 5

The parameter value must

- Be in the range of 4096 through 32767
- Be a multiple of 512 (N x 512) if it is in the range of 6144 through 8192
- Be a multiple of 2048 (N x 2048) if it is in the range of 8192 through 32767

- Match the value of the DBL and TBL length specified in parameter DBLLTH in member FSNT000C in library SRCELIB.

DDDMAST = “DDD220.DDDMAST” | “Value”

The name of the DisplayWrite/370 master document data set, into which the Document Writing feature Application CLIST will be loaded

- Value: the data set name in your installation
- Length of Value: 1 to 44

DDMSRC = “DDD220.DDDMSRC” | “Value”

The name of the DisplayWrite/370 master document source data set, into which the Document Writing feature Application CLIST skeleton and the parts to be included will be loaded

- Value: the data set name in your installation
- Length of Value: 1 to 44

INSTENU = “YES” | “NO”

Installation Indicator: **Install** the language **US-ENGLISH** (ENU)

INSTDAN = “NO” | “YES”

Installation Indicator: **Install** the language **DANISH** (DAN)

INSTDEU = “NO” | “YES”

Installation Indicator: **Install** the language **GERMAN** (DEU)

INSTESP = “NO” | “YES”

Installation Indicator: **Install** the language **SPANISH** (ESP)

INSTFRA = “NO” | “YES”

Installation Indicator: **Install** the language **FRENCH** (FRA)

INSTNLD = “NO” | “YES”

Installation Indicator: **Install** the language **DUTCH** (NLD)

Note: The parameters DB2LIB through DSNTIAD only apply if parameter DBSETUP has been set to DB2MIXED or DB2ONLY in member FSNASPA1.

DB2LIB = “SYS1.DSN.SDSNLOAD” | Value

DB2 load library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2LIB2 = “SYS1.DSN.SDSNLOD2” | Value

DB2 load library (part 2)

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2RUN = “SYS1.DSN.RUNLIB.LOAD” | Value

DB2 runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2EXIT = “SYS1.DSN.SDSNEXIT” | Value

DB2 subsystem library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2SYS = “DSN” | Value

DB2 subsystem name

- Value: the name of your DB2 subsystem
- Length of Value: 1 to 4

DSNTIAD = “DSNTIAD” | Value

DB2 plan name of sample program DSNTIAD

- Value: the plan name in your installation
- Length of Value: 1 to 8

GILSZ = “6144” | “Value”

CISIZE (VSAM) or mapping size (DB2) for records of the General Information Library (GIL).

- Value: CISIZE or mapping size for your GIL library
- Length of Value: 4 to 5

The parameter value must

- Be one of the following:
6144, 8192, 10240, 12288, 14336, 16384, 18432, 20480, 4, 28672, 30720, 32767
22528, 24576, 26624, 28672, 30720, 32767
- Be less or equal than the value specified in parameter ISLSZ below
- Match the value of parameter GILLTH in member FSNT000C in library SRCELIB.

Note: If you want to take over a GIL from ASF V3R3, the value of parameter GILSZ must not be less than the one specified in ASF V3R3.

If the GIL is a VSAM database,

- ASF assumes that one record of the maximum record size will exist within the control interval.
- GILSZ is used to define the CONTROLINTERVALSIZE (CISIZE) parameter and the RECORDSIZE parameter in the cluster definition job. The formula used for the calculation of RECORDSIZE is CISIZE - 7.

ISLSZ = “8192” | “Value”

CISIZE (VSAM) or mapping size (DB2) for records of the work data sets USL, ISL, WSL, ZSL, FLL, DJL, and FEL.

- Value: CISIZE or mapping size for your USL, ISL, WSL, ZSL, FLL, DJL, and FEL library
- Length of Value: 4 to 5

The parameter value to be specified depends on the setting of installation parameter DBSETUP in member FSNASPA1:

- DBSETUP=DB2NO or DBSETUP=DB2MIXED (working databases are VSAM databases)
The value must

- Be one of the following:
8192, 12288, 16384, 20480, 24576, 28672, 32767
- Be greater or equal than the value specified in parameter GILSZ above
- Match the value of parameter ISLLTH in member FSNT000C in library SRCELIB.

Note: If you want to take over an SLL from ASF V3R3, the value of parameter ISLSZ must not be less than the one specified in ASF V3R3.

ASF assumes that one record of the maximum record size will exist within the control interval. ISLSZ is used to define the CONTROLINTERVALSIZE (CISIZE) parameter and the RECORDSIZE parameter in the cluster definition job. The formula used for the calculation of RECORDSIZE is CISIZE - 7.

- DBSETUP=DB2ONLY (all ASF databases are DB2 databases)
The value must

- Be one of the following:
8192, 16384, 32767
- Be greater or equal than the value specified in GILSZ above
- Match the value of parameter ISLLTH in member FSNT000C in library SRCELIB.

A.8.2.1 Installation parameters in member FSNENVCy (TRANSMGR=CICS)

An FSNENVCy member (y = 1,2,3,...) will only be generated if installation parameter DBSETUP in member FSNASPA1 has been set to either DB2NO or DB2MIXED. The number x of FSNENVCy members generated equals the value of installation parameter ENVCOUNT in member FSNASPA1.

VSMHLQ = “FSN.ASFV3R4.CICS” | Value

The high-level qualifier for ASF VSAM data sets

- Value: the qualifier
- Length of Value: 1 to 26

VSMUNIT = “SYSDA” | Value

The Direct-Access Storage Device (DASD) on which the product specific VSAM data sets are to be allocated. This must be one of the valid unit names on your system.

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

VSMVOL = “NONE” | Value

The volume serial identifier of the volume on which the product-specific VSAM data sets are to be allocated.

Only applicable if SMS is **NOT** installed.

- Value: the volume or NONE (see note below)
- Length of Value: 1 to 6

Note: If you specify **NONE** as value for parameter VSMVOL, the generation of the VOLSER within the VSAM definition is suppressed.

MIGGIL = “FSN.ASFV3R3.CICS” | Value

The high-level qualifier of the V3R3 GIL to be migrated.

UPLCYL1 (UPLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your User Profile Library (UPL) used for cluster definition.

- Value: number of primary (secondary) cylinders for UPL
- Length of Value: 1 to 3

ISLCYL1 (ISLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library (ISL) used for cluster definition.

- Value: number of primary (secondary) cylinders for ISL
- Length of Value: 1 to 3

WSLCYL1 (WSLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library (WSL) used for cluster definition.

- Value: number of primary (secondary) cylinders for WSL
- Length of Value: 1 to 3

USLCYL1 (USLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your User System Library (USL) used for cluster definition.

- Value: number of primary (secondary) cylinders for USL
- Length of Value: 1 to 3

ZSLCYL1 (ZSLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library ZSL used for cluster definition.

- Value: number of primary (secondary) cylinders for ZSL

- Length of Value: 1 to 3

FLLCYL1 (FLLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Formatted Document Library (FLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for FLL
- Length of Value: 1 to 3

FELCYL1 (FELCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your document export error log data set used for cluster definition.

- Value: number of primary (secondary) cylinders for the document export data set
- Length of Value: 1 to 3

DJLCYL1 (DJLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Document JCL Library (DJL) used for cluster definition.

- Value: number of primary (secondary) cylinders for DJL
- Length of Value: 1 to 3

GILCYL1 (GILCYL2) = “10 (1)” | “Value”

Number of primary (secondary) cylinders for your General Information Library (GIL) used for cluster definition.

- Value: number of primary (secondary) cylinders for GIL
- Length of Value: 1 to 3

GXLCYL1 (GXLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your GIL Alternate Index Library (GXL) used for cluster definition.

- Value: number of primary (secondary) cylinders for GXL
- Length of Value: 1 to 3

Note: The parameters CLLCYL1 through EXPCYL2 only apply if parameter INSTDC has been set to YES in member FSNASPA1.

CLLCYL1 (CLLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Completed Document Library (CLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for CLL
- Length of Value: 1 to 3

SLLCYL1 (SLLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Saved Document Library (SLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for SLL

- Length of Value: 1 to 3

EXPCYL1 (EXPCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your document export data set used for cluster definition.

- Value: number of primary (secondary) cylinders for the document export data set
- Length of Value: 1 to 3

Note: The parameters DHLCYL1 through DBLCYL2 only apply if parameter INSTDW has been set to YES in member FSNASPA1.

DHLCYL1 (DHLCYL2)= “1” | “Value”

Number of primary (secondary) cylinders for your Document Header Library (DHL) and Text Header Library (THL) used for cluster definition.

- Value: number of primary (secondary) cylinders for DHL and THL
- Length of Value: 1 to 3

DXLCYL1 (DXLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your DHL Alternate Index Library (DXL) and THL Alternate Index Library (TXL) used for cluster definition.

- Value: number of primary (secondary) cylinders for DXL and TXL
- Length of Value: 1 to 3

DBLCYL1 (DBLCYL2) = “10 (1)” | “Value”

Number of primary (secondary) cylinders for your your Document Body Library (DBL) and Text Body Library (TBL) used for cluster definition.

- Value: number of primary (secondary) cylinders for DBL and TBL
- Length of Value: 1 to 3

A.8.2.2 Installation parameters in the member FSNENV Dy (TRANSMGR=CICS)

An FSNENV Dy member (y = 1,2,3,...) will only be generated if installation parameter DBSETUP in member FSNASPA1 has been set to either DB2MIXED or DB2ONLY. The number x of FSNENV Dy members generated equals the value of installation parameter ENVCOUNT in member FSNASPA1.

DB2CID = “FSNCOLL1” | Value

Name of DB2 collection

- Value: DB2 collection ID for collection
- Length of Value: 1 to 8

DB2AUTH = “FSNQUAL1” | Value

Name of DB2 authorization ID used in DB2 collections

- Value: Authorization ID used in collections
- Length of Value: 1 to 8

DB2GRCOL = “GROUP1,GROUP2” | Value

DB2 grantee having the EXECUTE privilege for packages

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRPLA = “PUBLIC” | Value

DB2 grantee having the EXECUTE privilege for DB2 plans and the SELECT privilege for tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRTBL = “GROUP1,GROUP2” | Value

DB2 grantee having the ALL privilege for the DB2 tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2SG = “FSNS0001” | Value

DB2 storage group name

- Value: the name for your DB2 storage group
- Length of Value: 1 to 8

DB2SGGR = “GROUP1,GROUP2” | Value

DB2 storage group grantees

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2DB = “FSND0001” | Value

DB2 database name

- Value: the name for your DB2 database
- Length of Value: 1 to 8

DB2DBGR = “GROUP1,GROUP2” | Value

DB2 database group grantees

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2BP = “BP2” | Value

DB2 buffer pool

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPI = “BP1” | Value

DB2 buffer pool index

- Value: Buffer pool in your installation

- Length of Value: 1 to 8

DB2BPU = “BP8K0” | Value

DB2 buffer pool for UPL

This parameter only applies if parameter DBSETUP has been set to DB2ONLY in member FSNASPA1.

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPW = “BP32K” | Value

DB2 buffer pool for work data sets

This parameter only applies if parameter DBSETUP has been set to DB2ONLY in member FSNASPA1.

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

Note:

The buffer pool size should be 8K, 16K, or 32K as it must match the value of installation parameter ISLSZ in member FSNASPAC.

If you select a buffer pool size being too small, you cannot create any table for the ASF work data sets.

DB2VOLS = “*” | Value

volumes for storage groups

- Value: Volumes in your installation
- Length of Value: 1 to 8

DB2VCAT = “FSN” | Value

catalog for DB2 data sets

- Value: catalog name in your installation
- Length of Value: 1 to 8

DB2 environment-specific parameters for GIL

DB2TYGIL = “T” | Value

DB2 type of GIL tables

- Value: Kind of DB2 object GIL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAGIL = “NONE” | Value

DB2 authorization ID of origin GIL table if DB2TYGIL is a DB2 view or alias

- Value: DB2 authorization ID of origin GIL
- Length of Value: 1 to 8

DB2TSGIL = “FSNI1GIL” | Value

DB2 table space for table FSNTGIL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIC = “FSNI1GIC” | Value

DB2 table space for GIL table FSNTGIL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIP = “FSNI1GIP” | Value

DB2 table space for GIL table FSNTGIL_PDR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIM = “FSNI1GIM” | Value

DB2 table space for GIL table FSNTGIL_MSEG

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIO = “FSNI1GIO” | Value

DB2 table space for GIL table FSNTGIL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIR = “FSNI1GIR” | Value

DB2 table space for GIL table FSNTGIL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIJ = “FSNI1GIJ” | Value

DB2 table space for GIL table FSNTGIL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for CLL

DB2TYCLL = "T" | Value

DB2 type of CLL tables

- Value: Kind of DB2 object CLL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACLL = "NONE" | Value

DB2 authorization ID of origin CLL table if DB2TYCLL is a DB2 view or alias

- Value: DB2 authorization ID of origin CLL
- Length of Value: 1 to 8

DB2TSCLL = "FSN1CLL" | Value

DB2 table space for table FSNTCLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLC = "FSN1CLC" | Value

DB2 table space for CLL table FSNTCLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLO = "FSN1CLO" | Value

DB2 table space for CLL table FSNTCLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLR = "FSN1CLR" | Value

DB2 table space for CLL table FSNTCLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLP = "FSN1CLP" | Value

DB2 table space for CLL table FSNTCLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for SLL**DB2TYSLL = "T" | Value**

DB2 type of SLL tables

- Value: Kind of DB2 object SLL
 - T: Table

- V: View
- A: Alias
- Length of Value: 1

DB2TASLL = “NONE” | Value

DB2 authorization ID of origin SLL table if DB2TYSLL is a DB2 view or alias

- Value: DB2 authorization ID of origin SLL
- Length of Value: 1 to 8

DB2TSSLL = “FSNI1SLL” | Value

DB2 table space for table FSNTSLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLC = “FSNI1SLC” | Value

DB2 table space for SLL table FSNTSLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLO = “FSNI1SLO” | Value

DB2 table space for SLL table FSNTSLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLR = “FSNI1SLR” | Value

DB2 table space for SLL table FSNTSLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLP = “FSNI1SLP” | Value

DB2 table space for SLL table FSNTSLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for DB2 tables used for continuous formatting

DB2TYAFP = “T” | Value

DB2 type of AFP tables

- Value: Kind of DB2 object AFP
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAAFP = “NONE” | Value

DB2 authorization ID of origin AFP table if DB2TYAFP is a DB2 view or alias

- Value: DB2 authorization ID of origin AFP
- Length of Value: 1 to 8

DB2TSAFP = “FSNI1AFP” | Value

DB2 table space for table FSNTAFP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TYERR = “T” | Value

DB2 type of ERR tables

- Value: Kind of DB2 object ERR
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAERR = “NONE” | Value

DB2 authorization ID of origin ERR table if DB2TYERR is a DB2 view or alias

- Value: DB2 authorization ID of origin ERR
- Length of Value: 1 to 8

DB2TSERR = “FSNI1ERR” | Value

DB2 table space for table FSNTSERR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for Document Writing feature. These parameters only apply if parameter INSTDW has been set to YES in member FSNASPA1.

DB2TYDOC = “T” | Value

DB2 type of Document Cabinet (DOC) tables

- Value: Kind of DB2 object DOC
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TADOC = “NONE” | Value

DB2 authorization ID of origin DOC table if DB2TYDOC is a DB2 view or alias

- Value: DB2 authorization ID of origin DOC
- Length of Value: 1 to 8

DB2TSDOC = “FSNI1DOC” | Value

DB2 table space for table FSNTDOC_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSDCC = “FSNI1DCC” | Value

DB2 table space for DOC table FSNTDOC_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSDCD = “FSNI1DCD” | Value

DB2 table space for DOC table FSNTDOC_DCR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSDCO = “FSNI1DCO” | Value

DB2 table space for DOC table FSNTDOC_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSDCW = “FSNI1DCW” | Value

DB2 table space for DOC table FSNTDOC_WRKPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSDCR = “FSNI1DCR” | Value

DB2 table space for DOC table FSNTDOC_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TYTOC = “T” | Value

DB2 type of Document Cabinet (TOC) tables

- Value: Kind of DB2 object DOC
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TATOC = “NONE” | Value

DB2 authorization ID of origin DOC table if DB2TYTOC is a DB2 view or alias

- Value: DB2 authorization ID of origin TOC
- Length of Value: 1 to 8

DB2TSTOC = “FSNI1TOC” | Value

DB2 table space for table FSNTTOC_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTCC = “FSNI1TCC” | Value

DB2 table space for DOC table FSNTTOC_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTCD = “FSNI1TCD” | Value

DB2 table space for DOC table FSNTTOC_DCR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTCO = “FSNI1TCO” | Value

DB2 table space for DOC table FSNTTOC_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTCW = “FSNI1TCW” | Value

DB2 table space for DOC table FSNTTOC_WRKPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTCR = “FSNI1TCR” | Value

DB2 table space for DOC table FSNTTOC_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for user profile library and work data sets. These parameters only apply if parameter DBSETUP has been set to DB2ONLY in member FSNASPA1. UPL table containing the ASF user profiles

DB2TYUPL = “T” | Value

DB2 type of user profile library (UPL) tables

- Value: Kind of DB2 object UPL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAUPL = “NONE” | Value

DB2 authorization ID of origin UPL table if DB2TYUPL is a DB2 view or alias

- Value: DB2 authorization ID of origin UPL
- Length of Value: 1 to 8

DB2TSUPL = “FSNI1UPL” | Value

DB2 table space for table FSNTUPL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPP = “FSNI1UPP” | Value

DB2 table space for table FSNTUPL_PRJ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPA = “FSNI1UPA” | Value

DB2 table space for table FSNTUPL_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

Tables for ASF work data sets**DB2TYWDS = “T” | Value**

DB2 type of work data sets DJL, FLL, ISL, SPA, USL, WSL, and ZSL

- Value: Kind of DB2 object
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAWDS = “NONE” | Value

DB2 authorization ID of origin table if DB2TYWDS is a DB2 view or alias

- Value: DB2 authorization ID of origin table
- Length of Value: 1 to 8

DB2TSDJL = “FSNI1DJL” | Value

DB2 table space for table FSNTDJL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSFLL = “FSNI1FLL” | Value

DB2 table space for table FSNTFLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSISL = “FSNI1ISL” | Value

DB2 table space for table FSNTISL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSPA = “FSNI1SPA” | Value

DB2 table space for table FSNTSPA_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUSL = “FSNI1USL” | Value

DB2 table space for table FSNTUSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSWSL = “FSNI1WSL” | Value

DB2 table space for table FSNTWSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSZSL = “FSNI1ZSL” | Value

DB2 table space for table FSNTZSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for DB2 resources needed by the administration client. These parameters only apply if installation parameters in parameter file FSNASPA1 have been set as follows:

- **DBSETUP = DB2ONLY**
- **INSTADMC = YES**

DB2GRTVW = “PUBLIC” | Value

DB2 grantee having the SELECT privilege for all VIEWS defined for the administration client

- Value: RACF information in your installation
- Length of Value: 1 to 8

Additional sub tables of FSNTGILH**DB2TSGIA = “FSNI1GIA” | Value**

DB2 table space for table FSNTGIL_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIN = “FSNI1GIN” | Value

DB2 table space for table FSNTGIL_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI1 = “FSNI1GI1” | Value

DB2 table space for table FSNTGIL_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIH = “FSNI1GIH” | Value

DB2 table space for table FSNTGIL_CTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI2 = “FSNI1GI2” | Value

DB2 table space for table FSNTGIL_CTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIQ = “FSNI1GIQ” | Value

DB2 table space for table FSNTGIL_PDRJNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI4 = “FSNI1GI4” | Value

DB2 table space for table FSNTGIL_PDRJNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGID = “FSNI1GID” | Value

DB2 table space for table FSNTGIL_PDRCTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI3 = “FSNI1GI3” | Value

DB2 table space for table FSNTGIL_PDRCTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

CNF table containing the settings of FSNT000, FSNT100, and FSNTxxx

DB2TYCNF = “T” | Value

DB2 type of CNF tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACNF = “NONE” | Value

DB2 authorization ID of origin CNF table if DB2TYCNF is a DB2 view or alias

- Value: DB2 authorization ID of origin CNF
- Length of Value: 1 to 8

DB2TSCNH = “FSNI1CNH” | Value

DB2 table space for table FSNTCONF_H

- Value: DB2 table space name
- Length of Value: 1 to 8

PKG table containing the packages of GIL records and references to foreign objects (aliens -> ALN table)**DB2TYPKG = “T” | Value**

DB2 type of PKG tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAPKG = “NONE” | Value

DB2 authorization ID of origin PKG table if DB2TYPKG is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSPKH = “FSNI1PKH” | Value

DB2 table space for table FSNTPKG_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKJ = “FSNI1PKJ” | Value

DB2 table space for table FSNTPKG_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKL = “FSNI1PKL” | Value

DB2 table space for table FSNTPKG_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKU = “FSNI1PKU” | Value

DB2 table space for table FSNTPKG_USR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKO = “FSNI1PKO” | Value

DB2 table space for table FSNTPKG_OBK

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKP = “FSNI1PKP” | Value

DB2 table space for table FSNTPKG_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKW = “FSNI1PKW” | Value

DB2 table space for table FSNTPKG_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

ALN table containing definitions of foreign objects referred to in packages contained in the package table**DB2TYALN = “T” | Value**

DB2 type of ALN tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAALN = “NONE” | Value

DB2 authorization ID of origin ALN table if DB2TYALN is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSALH = “FSNI1ALH” | Value

DB2 table space for table FSNTALN_H

- Value: DB2 table space name

- Length of Value: 1 to 8

DB2TSALJ = “FSNI1ALJ” | Value

DB2 table space for table FSNTALN_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSALL = “FSNI1ALL” | Value

DB2 table space for table FSNTALN_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

QRY table containing the definitions of database queries

DB2TYQRY = “T” | Value

DB2 type of QRY tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAQRY = “NONE” | Value

DB2 authorization ID of origin QRY table if DB2TYQRY is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSQRH = “FSNI1QRH” | Value

DB2 table space for table FSNTQRY_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRJ = “FSNI1QRJ” | Value

DB2 table space for table FSNTQRY_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRL = “FSNI1QRL” | Value

DB2 table space for table FSNTQRY_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRP = “FSNI1QRP” | Value

DB2 table space for table FSNTQRY_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRC = “FSNI1QRC” | Value

DB2 table space for table FSNTQRY_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRW = “FSNI1QRW” | Value

DB2 table space for table FSNTQRY_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

VIW table**DB2TYVIW = “T” | Value**

DB2 type of VIW tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAVIW = “NONE” | Value

DB2 authorization ID of origin VIW table if DB2TYVIW is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSVIH = “FSNI1VIH” | Value

DB2 table space for table FSNTVIW_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSVIP = “FSNI1VIP” | Value

DB2 table space for table FSNTVIW_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

A.8.3 Transaction manager IMS, installation parameters in member FSNASPAI

DRYRUN = “NO” | “YES”

Allows you to run the customizer just for checking the parameters.

- NO: job generation **and** the customization will be done if no errors occurred.
- YES: only the customization parameters will be checked, no jobs are generated.

JOBLIN1 - JOBLIN6 = “//*” | Value

JCL job information: first through sixth line of JOB card

- Value: the job information
- Length of Value: as defined in your JES installation

JOBOUTC = “*” | Value

JCL job information: output class for SYSOUT data sets

- Value: the job output class you use
- Length of Value: as defined in your JES installation

WDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA work disk parameter

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA sort work disk parameter

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SMS = “NO” | “YES”

Indicates whether DFSMS (Storage Management Subsystem) is installed or not

If DFSMS is installed, no VOLSER and UNIT specification are generated in the installation jobs.

- NO: DFSMS is not installed
- YES: DFSMS is installed

Note: No DATACLAS or STORCLAS and so on is generated; this has to be inserted in JCL if applicable.

LKEDNAME = “IEWL” | Value

Name of the used Linkage Editor/Binder.

- Value: the name in your installation
- Length of Value: 1 to 4

ASSNAME = “ASMA90” | Value

Name of the used Assembler.

- Value: the name in your installation
- Length of Value: 1 to 5

ASSOUT = “SYSLIN” | Value

Name of the assembler output DD statement.

- Value: the name in your installation
- Length of Value: 1 to 8

SORTLIB = “SYS1.SORTLIB” | Value

The name of the data set that contains SORT/MERGE.

- Value: the data set name in your installation
- Length of Value: 1 to 44

CODEPAGE = “1140” | Value

Indicates which terminal keyboard will be used when you work with a member on the SRCCELIB library.

This parameter is used to create the sample jobs for code page translation using program FSNACPM (jobs: FSNUACPF and FSNUACPT).

For details see description of program FSNACPM in the *Administration Guide*, SH12-6734.

The value of this parameter must match the value of the default keyboard codepage ID (INSTKB) that you have specified in member FSNT000I in library SRCCELIB.

- 1140: Terminal Group 2: Belgium, Brazil, Canada, Netherlands, Portugal, USA
- 1141: Terminal Group 2: Austria, Germany
- 1142: Terminal Group 2: Denmark, Norway
- 1143: Terminal Group 2: Finland, Sweden
- 1144: Terminal Group 2: Italy
- 1145: Terminal Group 2: Latin America (Spanish speaking), Spain
- 1146: Terminal Group 2: United Kingdom
- 1147: Terminal Group 2: France
- 1148: Terminal Group 2: Switzerland
- 1149: Terminal Group 2: Iceland

FSNHLQ = “FSN.ASFV3R4” | Value

The high-level qualifier for non-VSAM data sets. The following ASF data sets will be allocated and/or accessed under this qualifier:

- SMP/E distribution libraries: FSN.ASFV3R4.AFSNxxxx.
- SMP/E target libraries: FSN.ASFV3R4.SFSNxxxx.
- Additional ASF non-VSAM data sets
- Value: the qualifier
- Length of Value: 1 to 26

Note: The value for FSNHLQ has to match the HLQ from SMP/E job FSNALLOC

FSNUNIT = “SYSDA” | Value

The Direct-Access Storage Device (DASD) on which the product specific non-VSAM data sets are to be allocated. This must be one of the valid unit names on your system.

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

FSNVOL = “NONE” | Value

The volume serial identifier of the volume on which the product-specific non-VSAM data sets are to be allocated.

Only applicable if SMS is **NOT** installed.

- Value: the volume or NONE (see note below)
- Length of Value: 1 to 6

Note: If you specify **NONE** as value for parameter FSNVOL, the generation of the VOL=SER= JCL statement within the allocations of the non-VSAM data sets is suppressed.

LELKED = “SYS1.SCEELKED” | Value

Language Environment link library

- Value: the data set name in your installation
- Length of Value: 1 to 44

LERUN = “SYS1.SCEERUN” | Value

Language Environment runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

CONV = “NO” | “YES”

Indicates whether ASF is used in conversational mode or not

If this parameter is set to YES, the sample STAGE 1 input will be generated for conversational usage of ASF.

Note: The parameter CONV is independent of the parameter NONCONV. You can set both parameters to YES if you want to use ASF in conversational and nonconversational mode.

If both parameters are set to YES, the sample STAGE 1 input for nonconversational mode will be built with prefix : 'FSS'

- YES: ASF is used in conversational mode
- NO: ASF is NOT used in conversational mode

NONCONV = “YES” | “NO”

Indicates whether ASF is used in nonconversational mode or not

If this parameter is set to YES, the sample STAGE 1 input will be generated for nonconversational usage of ASF

Note: The parameter NONCONV is independent of the parameter CONV. You can set both parameters to YES if you want to use ASF in conversational and nonconversational mode.

If both parameters are set to YES, the sample STAGE 1 input for nonconversational mode will be built with prefix : 'FSS'

- YES: ASF is used in nonconversational mode
- NO: ASF is NOT used in nonconversational mode

RESLIB = “IMS910.RESLIB” | Value

IMS resident library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DBDLIB = “IMS910.DBDLIB” | Value

The name of the data set that containing the DBDs.

- Value: the data set name in your installation
- Length of Value: 1 to 44

PSBLIB = “IMS910.PSBLIB” | Value

The name of the data set containing the PSBs.

- Value: the data set name in your installation
- Length of Value: 1 to 44

ACBLIB = “IMS910.ACBLIB” | Value

The name of the data set that containing the ACBs.

- Value: the data set name in your installation
- Length of Value: 1 to 44

PROCLIB = “IMS910.PROCLIB” | Value

The name of the IMS procedure library.

- Value: the data set name in your installation
- Length of Value: 1 to 44

RECON1 = “IMS910.RECON1” | Value

The name of the IMS RECON data set 1.

- Value: the data set name in your installation
- Length of Value: 1 to 44

RECON2 = “IMS910.RECON2” | Value

The name of the IMS RECON data set 2.

- Value: the data set name in your installation
- Length of Value: 1 to 44

RECON3 = “IMS910.RECON3” | Value

The name of the IMS RECON data set 3.

- Value: the data set name in your installation
- Length of Value: 1 to 44

IMSGUTL = “MFSUTL” | Value

The name of the procedure you use to assemble MFS formats.

- Value: the procedure name in your installation
- Length of Value: as defined in your JES installation

IMSGDBD = “DBDGEN” | Value

The name of the procedure you use to assemble DBDs.

- Value: the procedure name in your installation
- Length of Value: as defined in your JES installation

IMSGPSB = “PSBGEN” | Value

The name of the procedure you use to assemble PSBs.

- Value: the procedure name in your installation
- Length of Value: as defined in your JES installation

IMSGACB = “ACBGEN” | Value

The name of the procedure you use for ACB generation.

- Value: the procedure name in your installation
- Length of Value: as defined in your JES installation

IMSGDLI = “DLIBATCH” | Value

The name of your IMS DL/I procedure.

- Value: the procedure name in your installation
- Length of Value: as defined in your JES installation

Note: The parameters DCFLIB through DCFIMBD only apply if parameter INSTDC has been set to YES in member FSNASPA1

DCFLIB = “SYS1.DCF.LINKLIB” | Value

The data set name of the DCF Release 4 load library.

- Value: the data set name in your installation
- Length of Value: 1 to 44

GMLINP = “SYS1.DCF.SEQ” | Value

The name of the data set that contains the DCF GML TAG input for utility FSNCD CF.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFONT = “SYS1.FONT3820” | Value

The name of the data set that contains your FONTS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPSEG = “SYS1.PSEGLIB” | Value

The name of the data set that contains your PSEGS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFCPYGP = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your COPYGROUPS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFDEF = “SYS1.FDEFLIB” | Value

The name of the data set that contains your FORMDEFS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFOVLY = “SYS1.OVERLIB” | Value

The name of the data set that contains your OVERLAYS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPROF = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF profiles.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFMACL = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF macros.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFIMBD = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF IMBEDS .

- Value: the data set name in your installation
- Length of Value: 1 to 44

INSTENU = “YES” | “NO”

Installation Indicator: **Install** the language **US-ENGLISH** (ENU)

INSTDAN = “NO” | “YES”

Installation Indicator: **Install** the language **DANISH** (DAN)

INSTDEU = “NO” | “YES”

Installation Indicator: **Install** the language **GERMAN** (DEU)

INTESP = “NO” | “YES”

Installation Indicator: **Install** the language **SPANISH** (ESP)

INSTFRA = “NO” | “YES”

Installation Indicator: **Install** the language **FRENCH** (FRA)

INSTNLD = “NO” | “YES”

Installation Indicator: **Install** the language **DUTCH** (NLD)

Note: The parameters **DB2LIB** through **DSNTIAD** only apply if parameter **DBSETUP** has been set to **DB2MIXED** or **DB2ONLY** in member **FSNASPA1**.

DB2LIB = “SYS1.DSN.SDSNLOAD” | Value

DB2 load library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2LIB2 = “SYS1.DSN.SDSNLOD2” | Value

DB2 load library (part 2)

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2RUN = “SYS1.DSN.RUNLIB.LOAD” | Value

DB2 runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2EXIT = “SYS1.DSN.SDSNEXIT” | Value

DB2 subsystem library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2SYS = “DSN” | Value

DB2 subsystem name

- Value: the name of your DB2 subsystem
- Length of Value: 1 to 4

DSNTIAD = “DSNTIAD” | Value

DB2 plan name of sample program DSNTIAD

- Value: the plan name in your installation

- Length of Value: 1 to 8

IGILSZ = “6144” | “Value”

CISIZE (DL/I) or mapping size (DB2) for records of the General Information Library (GIL).

- Value: CISIZE or mapping size for your GIL library
- Length of Value: 4 to 5

The parameter value must

- Be one of the following:
6144, 8192, 10240, 12288, 14336, 16384, 18432, 20480, 22528, 24576, 26624, 28672, 30720, 32767, 4, 28672, 30720, 32767
- Be less or equal than the value specified in IISLSZ below
- Match the value of parameter GILLTH in member FSNT000I in library SRCELIB.

Note: If you want to take over a GIL from ASF V3R3, the IGILSZ parameter must not be less than the one specified in ASF V3R3.

If the GIL is a VSAM database,

- ASF assumes that one record of the maximum record size will exist within the control interval.
- IGILSZ is used to define the CONTROLINTERVALSIZE (CISIZE) parameter and the RECORDSIZE parameter in the cluster definition job. The formula used for the calculation of RECORDSIZE is CISIZE - 32.

IISLSZ = “8192” | “Value”

CISIZE (DL/I) or mapping size (DB2) for records of the work data sets USL, ISL, WSL, ZSL, FLL, DJL, and SPA.

- Value: CISIZE or mapping size for your USL, ISL, WSL, ZSL, FLL, DJL, and SPA library
- Length of Value: 4 to 5

The parameter value to be specified depends on the setting of installation parameter DBSETUP in member FSNASPA1:

- DBSETUP=DB2NO or DBSETUP=DB2MIXED (working databases are DL/I databases)
The value must

- Be one of the following:
8192, 12288, 16384, 20480, 24576, 28672, 32767
- Be greater or equal than the value specified in parameter IGILSZ above
- Match the value of parameter ISLLTH in member FSNT000I in library SRCELIB.

Note: If you want to take over an SLL from ASF V3R3, the value of parameter IISLSZ must not be less than the one specified in ASF V3R3.

ASF assumes that one record of the maximum record size will exist within the control interval. IISLSZ is used to define the CONTROLINTERVALSIZE (CISIZE) parameter and the RECORDSIZE parameter in the cluster definition job. The formula used for the calculation of RECORDSIZE is CISIZE - 32.

- DBSETUP=DB2ONLY (all ASF databases are DB2 databases)
The value must
 - Be one of the following:
8192, 16384, 32767
 - Be greater or equal than the value specified in parameter IGILSZ above
 - Match the value of parameter ISLLTH in member FSNT000I in library SRCELIB.

A.8.3.1 Installation parameters in member FSNENVly (TRANSMGR=IMS)

An FSNENVly member (y = 1,2,3,...) will only be generated if installation parameter DBSETUP in member FSNASPA1 has been set to either DB2NO or DB2MIXED. The number x of FSNENVly members generated equals the value of installation parameter ENVCOUNT in member FSNASPA1.

DBPREF = “FSN” | Value

The prefix for DBD and PSB definitions and for the DD statements.

- Value: the prefix
- Length of Value: 1 to 3

The parameters TXPC and TXPCW only apply if installation parameter “CONV” has been set to YES in parameter file FSNASPAI

TXPC = “FSN” | Value

The prefix for ASF transaction codes used for running ASF in the 3270 environment

- Value: the prefix
- Length of Value: 1 to 3

TXPCW = “WEB” | Value

The prefix for ASF transaction codes used for running the ASF Web client

- Value: the prefix
- Length of Value: 1 to 3

The parameters TXPN and TXPNW only apply if installation parameter “NONCONV” has been set to YES in parameter file FSNASPAI

TXPN = “FSS” | Value

The prefix for ASF transaction codes used for running ASF in the 3270 environment

- Value: the prefix
- Length of Value: 1 to 3

TXPNW = “WES” | Value

The prefix for ASF transaction codes used for running the ASF Web client

- Value: the prefix

- Length of Value: 1 to 3

VSMHLQ = “FSN.ASFV3R4.IMS” | Value

The high-level qualifier for ASF VSAM data sets

- Value: the qualifier
- Length of Value: 1 to 26

VSMUNIT = “SYSDA” | Value

The Direct-Access Storage Device (DASD) on which the product specific VSAM data sets are to be allocated. This must be one of the valid unit names on your system.

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

VSMVOL = “NONE” | Value

The volume serial identifier of the volume on which the product-specific VSAM data sets are to be allocated.

Only applicable if SMS is **NOT** installed.

- Value: the volume or NONE (see note below)
- Length of Value: 1 to 6

Note: If you specify **NONE** as value for parameter VSMVOL, the generation of the VOLSER within the VSAM definition is suppressed.

MIGGIL = “FSN.ASFV3R3.IMS” | Value

The high-level qualifier of the V3R3 GIL to be migrated.

IUPLCYL1 (IUPLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your User Profile Library (UPL) used for cluster definition.

- Value: number of primary (secondary) cylinders for UPL
- Length of Value: 1 to 3

IULXCYL1 (IULXCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for the Index Cluster of the UPL used for cluster definition.

- Value: number of primary (secondary) cylinders for UPL index cluster
- Length of Value: 1 to 3

ISPACYL1 (ISPACYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Scratch Pad Area Library (SPA) used for cluster definition.

- Value: number of primary (secondary) cylinders for SPA
- Length of Value: 1 to 3

IISLCYL1 (IISLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library (ISL) used for cluster definition.

- Value: number of primary (secondary) cylinders for ISL
- Length of Value: 1 to 3

IWSLCYL1 (IWSLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library (WSL) used for cluster definition.

- Value: number of primary (secondary) cylinders for WSL
- Length of Value: 1 to 3

IUSLCYL1 (IUSLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your User System Library (USL) used for cluster definition.

- Value: number of primary (secondary) cylinders for USL
- Length of Value: 1 to 3

IZSLCYL1 (IZSLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Internal System Library (ZSL) used for cluster definition.

- Value: number of primary (secondary) cylinders for ZSL
- Length of Value: 1 to 3

IFLLCYL1 (IFLLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your formatted Document Library (FLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for FLL
- Length of Value: 1 to 3

IFLXCYL1 (IFLXCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for the Index Cluster of the FLL used for cluster definition.

- Value: number of primary (secondary) cylinders for FLL index cluster
- Length of Value: 1 to 3

IDJLCYL1 (IDJLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your Document JCL Library (DJL) used for cluster definition.

- Value: number of primary (secondary) cylinders for DJL
- Length of Value: 1 to 3

IGILCYL1 (IGILCYL2) = “10 (1)” | “Value”

Number of primary (secondary) cylinders for your General Information Library (GIL) used for cluster definition.

- Value: number of primary (secondary) cylinders for GIL
- Length of Value: 1 to 3

IGLXCYL1 (IGLXCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for the Index Cluster of the GIL used for cluster definition.

- Value: number of primary (secondary) cylinders for GIL index cluster
- Length of Value: 1 to 3

IGXLCYL1 (IGXLCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for your GIL Alternate Index Library (GXL) used for cluster definition.

- Value: number of primary (secondary) cylinders for GXL
- Length of Value: 1 to 3

ICLLCYL1 (ICLLCYL2) = “10 (1)” | “Value”

Number of primary (secondary) cylinders for your Completed Document Library (CLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for CLL
- Length of Value: 1 to 3

ICLXCYL1 (ICLXCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for the Index Cluster of the CLL used for cluster definition.

- Value: number of primary (secondary) cylinders for CLL index cluster
- Length of Value: 1 to 3

ISLLCYL1 (ISLLCYL2) = “10 (1)” | “Value”

Number of primary (secondary) cylinders for your Saved Document Library (SLL) used for cluster definition.

- Value: number of primary (secondary) cylinders for SLL
- Length of Value: 1 to 3

ISLXCYL1 (ISLXCYL2) = “1” | “Value”

Number of primary (secondary) cylinders for the Index Cluster of the ISL used for cluster definition.

- Value: number of primary (secondary) cylinders for ISL index cluster
- Length of Value: 1 to 3

A.8.3.2 Installation parameters in member FSNENV_{Dy} (TRANSMGR=IMS)

An FSNENV_{Dy} member (y = 1,2,3,...) will only be generated if installation parameter DBSETUP in member FSNASPA1 has been set to either DB2MIXED or DB2ONLY. The number x of FSNENV_{Dy} members generated equals the value of installation parameter ENVCOUNT in member FSNASPA1.

DB2CID = “FSNCOLL1” | Value

Name of DB2 collection

- Value: DB2 collection ID for collection
- Length of Value: 1 to 8

DB2AUTH = “FSNQUAL1” | Value

Name of DB2 authorization ID used in DB2 collections

- Value: Authorization ID used in collections
- Length of Value: 1 to 8

DB2GRCOL = “GROUP1,GROUP2” | Value

DB2 grantee having the EXECUTE privilege for packages

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRPLA = “PUBLIC” | Value

DB2 grantee having the EXECUTE privilege for DB2 plans and the SELECT privilege for tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRTBL = “GROUP1,GROUP2” | Value

DB2 grantee having the ALL privilege for the DB2 tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2SG = “FSNS0001” | Value

DB2 storage group name

- Value: the name for your DB2 storage group
- Length of Value: 1 to 8

DB2SGGR = “GROUP1,GROUP2” | Value

DB2 storage group grantees

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2DB = “FSND0001” | Value

DB2 database name

- Value: the name for your DB2 database
- Length of Value: 1 to 8

DB2DBGR = “GROUP1,GROUP2” | Value

DB2 database group grantees

- Value: RACF information in your installation

- Length of Value: 1 to 8

DB2BP = “BP2” | Value

DB2 buffer pool

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPI = “BP1” | Value

DB2 buffer pool index

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPU = “BP8K0” | Value

DB2 buffer pool for UPL

This parameter only applies if parameter DBSETUP is set to DB2ONLY in member FSNASPA1.

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPW = “BP32K” | Value

DB2 buffer pool for work data sets

This parameter only applies if parameter DBSETUP is set to DB2ONLY in member FSNASPA1.

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

Note:

The buffer pool size should be 8K, 16K, or 32K as it must match the value of installation parameter IISLSZ in member FSNASPA1.

If you select a buffer pool size being too small, you cannot create any table for the ASF work data sets.

DB2VOLS = “*” | Value

volumes for storage groups

- Value: Volumes in your installation
- Length of Value: 1 to 8

DB2VCAT = “FSN” | Value

catalog for DB2 data sets

- Value: catalog name in your installation
- Length of Value: 1 to 8

DB2 environment-specific parameters for GIL

DB2TYGIL = “T” | Value

DB2 type of GIL tables

- Value: Kind of DB2 object GIL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAGIL = “NONE” | Value

DB2 authorization ID of origin GIL table if DB2TYGIL is a DB2 view or alias

- Value: DB2 authorization ID of origin GIL
- Length of Value: 1 to 8

DB2TSGIL = “FSNI1GIL” | Value

DB2 table space for table FSNTGIL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIC = “FSNI1GIC” | Value

DB2 table space for GIL table FSNTGIL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIP = “FSNI1GIP” | Value

DB2 table space for GIL table FSNTGIL_PDR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIM = “FSNI1GIM” | Value

DB2 table space for GIL table FSNTGIL_MSEG

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIO = “FSNI1GIO” | Value

DB2 table space for GIL table FSNTGIL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIR = “FSNI1GIR” | Value

DB2 table space for GIL table FSNTGIL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIJ = “FSNI1GIJ” | Value

DB2 table space for GIL table FSNTGIL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for CLL**DB2TYCLL = “T” | Value**

DB2 type of CLL tables

- Value: Kind of DB2 object CLL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACLL = “NONE” | Value

DB2 authorization ID of origin CLL table if DB2TYCLL is a DB2 view or alias

- Value: DB2 authorization ID of origin CLL
- Length of Value: 1 to 8

DB2TSCLL = “FSNI1CLL” | Value

DB2 table space for table FSNTCLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLC = “FSNI1CLC” | Value

DB2 table space for CLL table FSNTCLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLO = “FSNI1CLO” | Value

DB2 table space for CLL table FSNTCLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLR = “FSNI1CLR” | Value

DB2 table space for CLL table FSNTCLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLP = “FSNI1CLP” | Value

DB2 table space for CLL table FSNTCLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for SLL

DB2TYSLL = "T" | Value

DB2 type of SLL tables

- Value: Kind of DB2 object SLL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TASLL = "NONE" | Value

DB2 authorization ID of origin SLL table if DB2TYSLL is a DB2 view or alias

- Value: DB2 authorization ID of origin SLL
- Length of Value: 1 to 8

DB2TSSLL = "FSN1SLL" | Value

DB2 table space for table FSNTSLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLC = "FSN1SLC" | Value

DB2 table space for SLL table FSNTSLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLO = "FSN1SLO" | Value

DB2 table space for SLL table FSNTSLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLR = "FSN1SLR" | Value

DB2 table space for SLL table FSNTSLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLP = "FSN1SLP" | Value

DB2 table space for SLL table FSNTSLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters of tables for continuous formatting

DB2TYAFP = “T” | Value

DB2 type of AFP tables

- Value: Kind of DB2 object AFP
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAAFP = “NONE” | Value

DB2 authorization ID of origin AFP table if DB2TYAFP is a DB2 view or alias

- Value: DB2 authorization ID of origin AFP table
- Length of Value: 1 to 8

DB2TSAFP = “FSNI1AFP” | Value

DB2 table space for table FSNTAFP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TYERR = “T” | Value

DB2 type of ERR tables

- Value: Kind of DB2 object ERR
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAERR = “NONE” | Value

DB2 authorization ID of origin ERR table if DB2TYERR is a DB2 view or alias

- Value: DB2 authorization ID of origin ERR table
- Length of Value: 1 to 8

DB2TSERR = “FSNI1ERR” | Value

DB2 table space for table FSNTSERR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for user profile library and work data sets.

These parameters only apply if parameter DBSETUP is set to DB2ONLY in member FSNASPA1.

DB2 environment-specific parameters for UPL

DB2TYUPL = “T” | Value

DB2 type of user profile library (UPL) tables

- Value: Kind of DB2 object UPL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAUPL = “NONE” | Value

DB2 authorization ID of origin UPL table if DB2TYUPL is a DB2 view or alias

- Value: DB2 authorization ID of origin UPL table
- Length of Value: 1 to 8

DB2TSUPL = “FSNI1UPL” | Value

DB2 table space for table FSNTUPL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPP = “FSNI1UPP” | Value

DB2 table space for table FSNTUPL_PRJ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPA = “FSNI1UPA” | Value

DB2 table space for table FSNTUPL_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for work data sets**DB2TYWDS = “T” | Value**

DB2 type of work data sets DJL, FLL, ISL, SPA, USL, WSL, and ZSL

- Value: Kind of DB2 object
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAWDS = “NONE” | Value

DB2 authorization ID of origin table if DB2TYWDS is a DB2 view or alias

- Value: DB2 authorization ID of origin table
- Length of Value: 1 to 8

DB2TSDJL = “FSNI1DJL” | Value

DB2 table space for table FSNTDJL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSFLL = “FSNI1FLL” | Value

DB2 table space for table FSNTFLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSISL = “FSNI1ISL” | Value

DB2 table space for table FSNTISL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSPA = “FSNI1SPA” | Value

DB2 table space for table FSNTSPA_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUSL = “FSNI1USL” | Value

DB2 table space for table FSNTUSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSWSL = “FSNI1WSL” | Value

DB2 table space for table FSNTWSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSZSL = “FSNI1ZSL” | Value

DB2 table space for table FSNTZSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for DB2 resources needed by the administration client. These parameters only apply if the following installation parameters in parameter file FSNASPA1 have been set as follows:

- **DBSETUP = DB2ONLY**
- **INSTADMC = YES**

DB2GRTVW = “PUBLIC” | Value

DB2 grantee having the SELECT privilege for all VIEWS defined for the administration client

- Value: RACF information in your installation
- Length of Value: 1 to 8

Additional sub tables of FSNTGILH**DB2TSGIA = “FSNI1GIA” | Value**

DB2 table space for table FSNTGIL_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIN = “FSNI1GIN” | Value

DB2 table space for table FSNTGIL_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI1 = “FSNI1GI1” | Value

DB2 table space for table FSNTGIL_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIH = “FSNI1GIH” | Value

DB2 table space for table FSNTGIL_CTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI2 = “FSNI1GI2” | Value

DB2 table space for table FSNTGIL_CTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIQ = “FSNI1GIQ” | Value

DB2 table space for table FSNTGIL_PDRJNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI4 = “FSNI1GI4” | Value

DB2 table space for table FSNTGIL_PDRJNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGID = “FSNI1GID” | Value

DB2 table space for table FSNTGIL_PDRCTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI3 = “FSNI1GI3” | Value

DB2 table space for table FSNTGIL_PDRCTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

CNF table containing the settings of FSNT000, FSNT100, and FSNTxxx**DB2TYCNF = “T” | Value**

DB2 type of CNF tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACNF = “NONE” | Value

DB2 authorization ID of origin CNF table if DB2TYCNF is a DB2 view or alias

- Value: DB2 authorization ID of origin CNF
- Length of Value: 1 to 8

DB2TSCNH = “FSNI1CNH” | Value

DB2 table space for table FSNTCONF_H

- Value: DB2 table space name
- Length of Value: 1 to 8

PKG table containing the packages of GIL records and references to foreign objects (aliens -> ALN table)**DB2TYPKG = “T” | Value**

DB2 type of PKG tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAPKG = “NONE” | Value

DB2 authorization ID of origin PKG table if DB2TYPKG is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSPKH = “FSNI1PKH” | Value

DB2 table space for table FSNTPKG_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKJ = “FSNI1PKJ” | Value

DB2 table space for table FSNTPKG_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKL = “FSNI1PKL” | Value

DB2 table space for table FSNTPKG_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKU = “FSNI1PKU” | Value

DB2 table space for table FSNTPKG_USR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKO = “FSNI1PKO” | Value

DB2 table space for table FSNTPKG_OBK

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKP = “FSNI1PKP” | Value

DB2 table space for table FSNTPKG_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKW = “FSNI1PKW” | Value

DB2 table space for table FSNTPKG_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

ALN table containing definitions of foreign objects referred to in packages contained in the package table**DB2TYALN = “T” | Value**

DB2 type of ALN tables

- Value:
 - T: Table
 - V: View
 - A: Alias

- Length of Value: 1

DB2TAALN = “NONE” | Value

DB2 authorization ID of origin ALN table if DB2TYALN is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSALH = “FSNI1ALH” | Value

DB2 table space for table FSNTALN_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSALJ = “FSNI1ALJ” | Value

DB2 table space for table FSNTALN_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSALL = “FSNI1ALL” | Value

DB2 table space for table FSNTALN_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

QRY table containing the definitions of database queries

DB2TYQRY = “T” | Value

DB2 type of QRY tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAQRY = “NONE” | Value

DB2 authorization ID of origin QRY table if DB2TYQRY is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSQRH = “FSNI1QRH” | Value

DB2 table space for table FSNTQRY_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRJ = “FSNI1QRJ” | Value

DB2 table space for table FSNTQRY_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRL = “FSNI1QRL” | Value

DB2 table space for table FSNTQRY_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRP = “FSNI1QRP” | Value

DB2 table space for table FSNTQRY_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRC = “FSNI1QRC” | Value

DB2 table space for table FSNTQRY_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRW = “FSNI1QRW” | Value

DB2 table space for table FSNTQRY_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

VIW table**DB2TYVIW = “T” | Value**

DB2 type of VIW tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAVIW = “NONE” | Value

DB2 authorization ID of origin VIW table if DB2TYVIW is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSVIH = “FSNI1VIH” | Value

DB2 table space for table FSNTVIW_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSVIP = “FSNI1VIP” | Value

DB2 table space for table FSNTVIW_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

A.8.4 Transaction manager DB2, installation parameters in member FSNASPAN

Using DB2 as transaction manager

TRANSMGR=DB2 only applies if you want to run the feature Document Connect for ASF (DC4ASF) using DB2 stored procedures rather than IMS or CICS transactions. To use DB2 as database environment for ASF under IMS or CICS you have to specify installation parameter **DBSETUP** in member **FSNASPA1** accordingly.

DRYRUN = “NO” | “YES”

Allows you to run the customizer just for checking the parameters.

- NO: job generation **and** the customization will be done if no errors occurred.
- YES: only the customization parameters will be checked, no jobs are generated.

JOBLIN1 - JOBLIN6 = “/” | Value

JCL job information: first through sixth line of JOB card

- Value: the job information
- Length of Value: as defined in your JES installation

JOBOUTC = “*” | Value

JCL job information: output class for SYSOUT data sets

- Value: the job output class you use
- Length of Value: as defined in your JES installation

WDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA work disk parameter

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SDSK = “SYSDA” | Value

JCL job information: UNIT=SYSDA sort work disk parameter

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

SMS = “NO” | “YES”

Indicates whether DFSMS (Storage Management Subsystem) is installed or not
If DFSMS is installed, no VOLSER and UNIT specification are generated in the installation jobs.

- NO: DFSMS is not installed
- YES: DFSMS is installed

Note: No DATACLAS or STORCLAS and so on is generated; this has to be inserted in JCL if applicable.

LKEDNAME = “IEWL” | Value

Name of the used Linkage Editor/Binder.

- Value: the name in your installation
- Length of Value: 1 to 4

ASSNAME = “ASMA90” | Value

Name of the used Assembler.

- Value: the name in your installation
- Length of Value: 1 to 5

ASSOUT = “SYSLIN” | Value

Name of the assembler output DD statement.

- Value: the name in your installation
- Length of Value: 1 to 8

SORTLIB = “SYS1.SORTLIB” | Value

The name of the data set that contains SORT/MERGE.

- Value: the data set name in your installation
- Length of Value: 1 to 44

CODEPAGE = “1140” | Value

Indicates which terminal keyboard will be used when you work with a member on the SRCCELIB library.

This parameter is used to create the sample jobs for code page translation using program FSNACPM (jobs: FSNUACPF and FSNUACPT).

For details see description of program FSNACPM in the *Administration Guide*, SH12-6734.

The value of this parameter must match the value of the default keyboard codepage ID (INSTKB) that you have specified in member FSNT000N in library SRCCELIB.

- 1140: Terminal Group 2: Belgium, Brazil, Canada, Netherlands, Portugal, USA
- 1141: Terminal Group 2: Austria, Germany
- 1142: Terminal Group 2: Denmark, Norway
- 1143: Terminal Group 2: Finland, Sweden
- 1144: Terminal Group 2: Italy
- 1145: Terminal Group 2: Latin America (Spanish speaking), Spain
- 1146: Terminal Group 2: United Kingdom

- 1147: Terminal Group 2: France
- 1148: Terminal Group 2: Switzerland
- 1149: Terminal Group 2: Iceland

FSNHLQ = “FSN.ASFV3R4” | Value

The high-level qualifier for non-VSAM data sets. The following ASF data sets will be allocated and/or accessed under this qualifier:

- SMP/E distribution libraries: FSN.ASFV3R4.AFSNxxxx.
- SMP/E target libraries: FSN.ASFV3R4.SFSNxxxx.
- Additional ASF non-VSAM data sets
- Value: the qualifier
- Length of Value: 1 to 26

Note: The value for FSNHLQ has to match the HLQ from SMP/E job FSNALLOC

FSNUNIT = “SYSDA” | Value

The Direct-Access Storage Device (DASD) on which the product specific non-VSAM data sets are to be allocated. This must be one of the valid unit names on your system.

Only applicable if SMS is **NOT** installed.

- Value: the unit type you use
- Length of Value: 1 to 6

FSNVOL = “NONE” | Value

The volume serial identifier of the volume on which the product-specific non-VSAM data sets are to be allocated.

Only applicable if SMS is **NOT** installed.

- Value: the volume or NONE (see note below)
- Length of Value: 1 to 6

Note: If you specify **NONE** as value for parameter FSNVOL, the generation of the VOL=SER= JCL statement within the allocations of the non-VSAM data sets is suppressed.

LELKED = “SYS1.SCEELKED” | Value

Language Environment link library

- Value: the data set name in your installation
- Length of Value: 1 to 44

LERUN = “SYS1.SCEERUN” | Value

Language Environment runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFLIB = “SYS1.DCF.LINKLIB” | Value

The name of the DCF Release 4 load library.

- Value: the data set name in your installation
- Length of Value: 1 to 44

GMLINP = “SYS1.DCF.SEQ” | Value

The name of the data set that contains the DCF GML TAG input for utility FSNCDCE.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFONT = “SYS1.FONT3820” | Value

The name of the data set that contains your FONTS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPSEG = “SYS1.PSEGLIB” | Value

The name of the data set that contains your PSEGS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFCPYGP = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your COPYGROUPS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFFDEF = “SYS1.FDEFLIB” | Value

The name of the data set that contains your FORMDEFS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFOVLY = “SYS1.OVERLIB” | Value

The name of the data set that contains your OVERLAYS

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFPROF = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF profiles.

- Value: the data set name in your installation
- Length of Value: 1 to 44

DCFMACL = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF macros.

- Value: the data set name in your installation

- Length of Value: 1 to 44

DCFIMBD = “SYS1.DCF.MACLIB” | Value

The name of the data set that contains your DCF IMBEDS.

- Value: the data set name in your installation
- Length of Value: 1 to 44

INSTENU = “YES” | “NO”

Installation Indicator: **Install** the language **US-ENGLISH** (ENU)

INSTDAN = “NO” | “YES”

Installation Indicator: **Install** the language **DANISH** (DAN)

INSTDEU = “NO” | “YES”

Installation Indicator: **Install** the language **GERMAN** (DEU)

INTESP = “NO” | “YES”

Installation Indicator: **Install** the language **SPANISH** (ESP)

INSTFRA = “NO” | “YES”

Installation Indicator: **Install** the language **FRENCH** (FRA)

INSTNLD = “NO” | “YES”

Installation Indicator: **Install** the language **DUTCH** (NLD)

DB2LIB = “SYS1.DSN.SDSNLOAD” | Value

DB2 load library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2LIB2 = “SYS1.DSN.SDSNLOD2” | Value

DB2 load library (part 2)

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2RUN = “SYS1.DSN.RUNLIB.LOAD” | Value

DB2 runtime library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2EXIT = “SYS1.DSN.SDSNEXIT” | Value

DB2 subsystem library

- Value: the data set name in your installation
- Length of Value: 1 to 44

DB2SYS = “DSN” | Value

DB2 subsystem name

- Value: the name of your DB2 subsystem
- Length of Value: 1 to 4

DSNTIAD = “DSNTIAD” | Value

DB2 plan name of sample program DSNTIAD

- Value: the plan name in your installation
- Length of Value: 1 to 8

GILSZ = “6144” | “Value”

Mapping size for records of the General Information Library (GIL).

- Value: Mapping size for your GIL library
- Length of Value: 4 to 5

The parameter value must

- Be one of the following:
6144, 8192, 12288, 16384, 20480, 24576, 28672, 32767
- Be less or equal than the value specified in parameter ISLSZ below
- Match the value of parameter GILLTH in member FSNT000N in library SRCELIB.

Note: If you want to take over a GIL from ASF V3R3, the value of parameter GILSZ must not be less than the one specified in ASF V3R3.

ISLSZ = “8192” | “Value”

Mapping size for records of the work data sets USL, ISL, WSL, ZSL, FLL, and DJL.

- Value: Mapping size for work datasets
- Length of Value: 4 to 5

The parameter value must

- Be one of the following:
8192, 16384, 32767
- Not be less than the value specified in parameter GILSZ above
- Match the value of parameter ISLLTH in member FSNT000N in library SRCELIB.

Note: If you want to take over an SLL from ASF V3R3, the value of parameter ISLSZ must not be less than the one specified in ASF V3R3.

A.8.4.1 Installation parameters in member FSNENVdY (TRANSMGR=DB2)

The number y of FSNENVdY members generated equals the value of installation parameter ENVCOUNT in member FSNASPA1.

DB2CID = “FSNCOLL1” | Value

Name of DB2 collection

- Value: DB2 collection ID for collection
- Length of Value: 1 to 8

DB2AUTH = “FSNQUAL1” | Value

Name of DB2 authorization ID used in DB2 collections

- Value: Authorization ID used in collections
- Length of Value: 1 to 8

DB2SCHEM = “NO” | Value

Schema in which the stored procedure will be running

- Value: Authorization ID used in collections
- Length of Value: 1 to 8

DB2WLMEN = “ASFWLM” | Value

Name of the WLM environment in which the stored procedure will be running

- Value: Authorization ID used in collections
- Length of Value: 1 to 8

DB2GRCOL = “GROUP1,GROUP2” | Value

DB2 grantee having the EXECUTE privilege for packages

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRPLA = “PUBLIC” | Value

DB2 grantee having the EXECUTE privilege for DB2 plans and the SELECT privilege for tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRTBL = “GROUP1,GROUP2” | Value

DB2 grantee having the ALL privilege for the DB2 tables

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2GRSP = “PUBLIC” | Value

DB2 grantee having the EXECUTE privilege for the stored procedure

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2SG = “FSNS0001” | Value

DB2 storage group name

- Value: the name for your DB2 storage group

- Length of Value: 1 to 8

DB2SGGR = “GROUP1,GROUP2” | Value

DB2 storage group grantees

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2DB = “FSND0001” | Value

DB2 database name

- Value: the name for your DB2 database
- Length of Value: 1 to 8

DB2DBGR = “GROUP1,GROUP2” | Value

DB2 database group grantees

- Value: RACF information in your installation
- Length of Value: 1 to 8

DB2BP = “BP2” | Value

DB2 buffer pool

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPI = “BP1” | Value

DB2 buffer pool index

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPU = “BP8K0” | Value

DB2 buffer pool for UPL

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

DB2BPW = “BP32K” | Value

DB2 buffer pool for work data sets

- Value: Buffer pool in your installation
- Length of Value: 1 to 8

Note:

The buffer pool size should be 8K, 16K, or 32K as it must match the value of installation parameter ISLSZ in member FSNASPAN.

If you select a buffer pool size being too small, you cannot create any table for the ASF work data sets.

DB2VOLS = “*” | Value

volumes for storage groups

- Value: Volumes in your installation
- Length of Value: 1 to 8

DB2VCAT = “FSN” | Value

catalog for DB2 data sets

- Value: catalog name in your installation
- Length of Value: 1 to 8

DB2 environment-specific parameters for GIL**DB2TYGIL = “T” | Value**

DB2 type of GIL tables

- Value: Kind of DB2 object GIL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAGIL = “NONE” | Value

DB2 authorization of origin GIL table if DB2TYGIL is a DB2 view or alias

- Value: DB2 authorization ID of origin GIL
- Length of Value: 1 to 8

DB2TSGIL = “FSNI1GIL” | Value

DB2 table space for table FSNTGIL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIC = “FSNI1GIC” | Value

DB2 table space for GIL table FSNTGIL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIP = “FSNI1GIP” | Value

DB2 table space for GIL table FSNTGIL_PDR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIM = “FSNI1GIM” | Value

DB2 table space for GIL table FSNTGIL_MSEG

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIO = “FSNI1GIO” | Value

DB2 table space for GIL table FSNTGIL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIR = “FSNI1GIR” | Value

DB2 table space for GIL table FSNTGIL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIJ = “FSNI1GIJ” | Value

DB2 table space for GIL table FSNTGIL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for CLL**DB2TYCLL = “T” | Value**

DB2 type of CLL tables

- Value: Kind of DB2 object CLL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACL = “NONE” | Value

DB2 authorization ID of origin CLL table if DB2TYCLL is a DB2 view or alias

- Value: DB2 authorization ID of origin CLL
- Length of Value: 1 to 8

DB2TSCLL = “FSNI1CLL” | Value

DB2 table space for table FSNTCLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLC = “FSNI1CLC” | Value

DB2 table space for CLL table FSNTCLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLO = “FSNI1CLO” | Value

DB2 table space for CLL table FSNTCLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLR = “FSN1CLR” | Value

DB2 table space for CLL table FSNTCLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSCLP = “FSN1CLP” | Value

DB2 table space for CLL table FSNTCLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for SLL**DB2TYSLL = “T” | Value**

DB2 type of SLL tables

- Value: Kind of DB2 object SLL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TASLL = “NONE” | Value

DB2 authorization ID of origin SLL table if DB2TYSLL is a DB2 view or alias

- Value: DB2 authorization ID of origin SLL
- Length of Value: 1 to 8

DB2TSSLL = “FSN1SLL” | Value

DB2 table space for table FSNTSLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLC = “FSN1SLC” | Value

DB2 table space for SLL table FSNTSLL_TXT

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLO = “FSN1SLO” | Value

DB2 table space for SLL table FSNTSLL_OBJCOMP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLR = “FSN1SLR” | Value

DB2 table space for SLL table FSNTSLL_RSQ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSLP = “FSN1SLP” | Value

DB2 table space for SLL table FSNTSLL_OBJPRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters of tables for continuous formatting**DB2TYAFP = “T” | Value**

DB2 type of AFP tables

- Value: Kind of DB2 object AFP
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAAFP = “NONE” | Value

DB2 authorization ID of origin AFP table if DB2TYAFP is a DB2 view or alias

- Value: DB2 authorization ID of origin AFP
- Length of Value: 1 to 8

DB2TSAFP = “FSN1AFP” | Value

DB2 table space for table FSNTAFP

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TYERR = “T” | Value

DB2 type of ERR tables

- Value: Kind of DB2 object ERR
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAERR = “NONE” | Value

DB2 authorization ID of origin ERR table if DB2TYERR is a DB2 view or alias

- Value: DB2 authorization ID of origin ERR
- Length of Value: 1 to 8

DB2TSERR = “FSN1ERR” | Value

DB2 table space for table FSNTSERR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for UPL

DB2TYUPL = “T” | Value

DB2 type of user profile library (UPL) tables

- Value: Kind of DB2 object UPL
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAUPL = “NONE” | Value

DB2 authorization ID of origin UPL table if DB2TYUPL is a DB2 view or alias

- Value: DB2 authorization ID of origin UPL
- Length of Value: 1 to 8

DB2TSUPL = “FSNI1UPL” | Value

DB2 table space for table FSNTUPL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPP = “FSNI1UPP” | Value

DB2 table space for table FSNTUPL_PRJ

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUPA = “FSNI1UPA” | Value

DB2 table space for table FSNTUPL_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TYWDS = “T” | Value

DB2 type of work data sets DJL, FLL, ISL, SPA, USL, WSL, and ZSL

- Value: Kind of DB2 object
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAWDS = “NONE” | Value

DB2 authorization ID of origin table if DB2TYWDS is a DB2 view or alias

- Value: DB2 authorization ID of origin table
- Length of Value: 1 to 8

DB2TSDJL = “FSNI1DJL” | Value

DB2 table space for table FSNTDJL_H

- Value: DB2 table space name

- Length of Value: 1 to 8

DB2TSFLL = “FSNI1FLL” | Value

DB2 table space for table FSNTFLL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSISL = “FSNI1ISL” | Value

DB2 table space for table FSNTISL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSSPA = “FSNI1SPA” | Value

DB2 table space for table FSNTSPA_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSUSL = “FSNI1USL” | Value

DB2 table space for table FSNTUSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSWSL = “FSNI1WSL” | Value

DB2 table space for table FSNTWSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSZSL = “FSNI1ZSL” | Value

DB2 table space for table FSNTZSL_H

- Value: DB2 table space name
- Length of Value: 1 to 8

The following parameters are only applicable if the server-host connection in the ASF Web client (DC4ASF) uses DB2 stored procedures

DB2TSTD = “FSNI1TD” | Value

DB2 table space for table FSNT1TD_BASE

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTDB = “FSNI1TDB” | Value

DB2 LOB table space for auxiliary table FSNT1TD_BLOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSTDC = “FSNI1TDC” | Value

DB2 LOB table space for auxiliary table FSNT1TD_CLOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2 environment-specific parameters for DB2 resources needed by the administration client. These parameters only apply if installation parameters in parameter file FSNASPA1 have been set as follows:

- **DBSETUP = DB2ONLY**
- **INSTADMC = YES**

DB2GRTVW = “PUBLIC” | Value

DB2 grantee having the SELECT privilege for all VIEWS defined for the administration client

- Value: RACF information in your installation
- Length of Value: 1 to 8

Additional sub tables of FSNTGILH**DB2TSGIA = “FSNI1GIA” | Value**

DB2 table space for table FSNTGIL_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIN = “FSNI1GIN” | Value

DB2 table space for table FSNTGIL_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI1 = “FSNI1GI1” | Value

DB2 table space for table FSNTGIL_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIH = “FSNI1GIH” | Value

DB2 table space for table FSNTGIL_CTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI2 = “FSNI1GI2” | Value

DB2 table space for table FSNTGIL_CTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGIQ = “FSNI1GIQ” | Value

DB2 table space for table FSNTGIL_PDRJNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI4 = “FSNI1GI4” | Value

DB2 table space for table FSNTGIL_PDRJNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGID = “FSNI1GID” | Value

DB2 table space for table FSNTGIL_PDRCTH

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSGI3 = “FSNI1GI3” | Value

DB2 table space for table FSNTGIL_PDRCTH_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

CNF table containing the settings of FSNT000, FSNT100, and FSNTxxx**DB2TYCNF = “T” | Value**

DB2 type of CNF tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TACNF = “NONE” | Value

DB2 authorization ID of origin CNF table if DB2TYCNF is a DB2 view or alias

- Value: DB2 authorization ID of origin CNF
- Length of Value: 1 to 8

DB2TSCNH = “FSNI1CNH” | Value

DB2 table space for table FSNTCONF_H

- Value: DB2 table space name
- Length of Value: 1 to 8

PKG table containing the packages of GIL records and references to foreign objects (aliens -> ALN table)

DB2TYPKG = “T” | Value

DB2 type of PKG tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAPKG = “NONE” | Value

DB2 authorization ID of origin PKG table if DB2TYPKG is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSPKH = “FSNI1PKH” | Value

DB2 table space for table FSNTPKG_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKJ = “FSNI1PKJ” | Value

DB2 table space for table FSNTPKG_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKL = “FSNI1PKL” | Value

DB2 table space for table FSNTPKG_JNL_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKU = “FSNI1PKU” | Value

DB2 table space for table FSNTPKG_USR

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKO = “FSNI1PKO” | Value

DB2 table space for table FSNTPKG_OBK

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKP = “FSNI1PKP” | Value

DB2 table space for table FSNTPKG_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSPKW = “FSN1PKW” | Value

DB2 table space for table FSNTPKG_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

ALN table containing definitions of foreign objects referred to in packages contained in the package table**DB2TYALN = “T” | Value**

DB2 type of ALN tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAALN = “NONE” | Value

DB2 authorization ID of origin ALN table if DB2TYALN is a DB2 view or alias

- Value: DB2 authorization ID of origin PKG
- Length of Value: 1 to 8

DB2TSALH = “FSN1ALH” | Value

DB2 table space for table FSNTALN_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSALJ = “FSN1ALJ” | Value

DB2 table space for table FSNTALN_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSALL = “FSN1ALL” | Value

DB2 table space for table FSNTALN_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

QRY table containing the definitions of database queries**DB2TYQRY = “T” | Value**

DB2 type of QRY tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAQRY = “NONE” | Value

DB2 authorization ID of origin QRY table if DB2TYQRY is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSQRH = “FSNI1QRH” | Value

DB2 table space for table FSNTQRY_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRJ = “FSNI1QRJ” | Value

DB2 table space for table FSNTQRY_JNL

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRL = “FSNI1QRL” | Value

DB2 table space for table FSNTQRY_LOB

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRP = “FSNI1QRP” | Value

DB2 table space for table FSNTQRY_PRM

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRC = “FSNI1QRC” | Value

DB2 table space for table FSNTQRY_CHC

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSQRW = “FSNI1QRW” | Value

DB2 table space for table FSNTQRY_WSP

- Value: DB2 table space name
- Length of Value: 1 to 8

VIW table**DB2TYVIW = “T” | Value**

DB2 type of VIW tables

- Value:
 - T: Table
 - V: View
 - A: Alias
- Length of Value: 1

DB2TAVIW = “NONE” | Value

DB2 authorization ID of origin VIW table if DB2TYVIW is a DB2 view or alias

- Value: DB2 authorization ID of origin QRY
- Length of Value: 1 to 8

DB2TSVIH = “FSNI1VIH” | Value

DB2 table space for table FSNTVIW_H

- Value: DB2 table space name
- Length of Value: 1 to 8

DB2TSVIP = “FSNI1VIP” | Value

DB2 table space for table FSNTVIW_PTY

- Value: DB2 table space name
- Length of Value: 1 to 8

Appendix B. Programs and transaction codes

Figure 26. Online Transaction Codes and Programs (CICS)

TX-Code	Load Module	Function	Terminal Input
FSNA	FSNASF1	Reset	yes
FSNB	FSNXF01	Signon builder for storing into DISOSS	
FSND	FSNZDDD	Start DisplayWrite/370	
FSNE	FSNERRH	Error handler	
FSNF	FSNWEB1C	TX-code for server interaction DC4ASF	
FSNH	FSNZFS2	Fast path handler for DisplayWrite/370	
FSNL	FSNASF2	Library maintenance	
FSNT	FSNXF02	Storing processor	
FSNV	FSNXF03	Storing reply	
FSNY	FSNOVC1	User enrollment for OV/MVS coexistence	
FSNZ	FSNASF3	List function	
FSN0	FSNASF1	Signon TX-code	yes
FSN1 to FSN9	FSNASF1	Alternate signon TX-codes	yes
WEB0	FSNWEB1C	Call TX-code for DC4ASF	

Figure 27 (Page 1 of 2). Online Transaction Codes and Programs (IMS)

TX-Code	TX-Type	Load Module	Function	Terminal Input
FSNA FSSA	CONV NONCONV	FSNASF1I	Reset	yes
FSNC FSSC	CONV NONCONV	FSNASF1I	Call TX-code	
FSNE FSSE	CONV NONCONV	FSNWEB1I	Call TX-code for DC4ASF	
FSNF FSSF	CONV NONCONV	FSNWEB1I	TX-code for server interaction DC4ASF	
FSNG FSSG	CONV NONCONV	FSNWEB1I	Return TX-code for DC4ASF	
FSNH FSSH	CONV NONCONV	FSNWEB1I	TX-code for DC4ASF	
FSNI FSSI	CONV NONCONV	FSNASF1I	Signon TX-code	yes
FSNO FSSO	CONV NONCONV	FSNASF3I	List function (dialog)	
FSNP FSSP	CONV NONCONV	FSNASF3I	List function (return)	
FSNQ FSSQ	CONV NONCONV	FSNWEB1I	TX-code for DC4ASF	
FSNR FSSR	CONV NONCONV	FSNASF1I	Return TX-code	
FSNV FSSV	CONV NONCONV	FSNWEB1I	TX-code for DC4ASF	
FSNW FSSW		FSNWWF1I	AFP print BMP/WFI	
FSNZ FSSZ	CONV NONCONV	FSNASF3I	List function	
FSN0 FSS0	CONV NONCONV	FSNASF1I	Signon TX-code	yes
FSN1-5 FSS1-5	CONV NONCONV	FSNASF1I	Alternate signon TX-codes	yes
WEBC WESC	CONV NONCONV	FSNWEB1I	Call TX-code DC4ASF	
WEBI WESI	CONV NONCONV	FSNWEB1I	TX-code for server interaction DC4ASF	

Figure 27 (Page 2 of 2). Online Transaction Codes and Programs (IMS)

TX-Code	TX-Type	Load Module	Function	Terminal Input
WEBQ WESQ	CONV NONCONV	FSNWEB11	TX-code for DC4ASF	
WEBR WESR	CONV NONCONV	FSNWEB11	Return TX-code for DC4ASF	
WEBV WESV	CONV NONCONV	FSNWEB11	TX-code for DC4ASF	

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Printed in U.S.A.

GI19-0020-04

