



**Program Directory for
IBM Application Delivery Foundation
for z/OS**

5.0.0

Program Number 5755-AB1

for use with
z/OS 02.05.00 or later

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GI13-5684-00

Note

Before using this information and the product it supports, be sure to read the general information under 7.0, "Notices" on page 17.

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1.0 Introduction

This program directory is intended for system programmers who are responsible for program installation and maintenance. It contains information about the material and procedures associated with the installation of IBM Application Delivery Foundation for z/OS. This publication refers to

- *IBM Application Delivery Foundation for z/OS as Application Delivery Foundation*
- *IBM Developer for z/OS Enterprise Edition as Developer for z/OS Enterprise Edition*
- *IBM z/OS Explorer Extensions as z/OS Explorer Extensions*
- *IBM z/OS Source Code Analysis as z/OS Source Code Analysis*
- *IBM z/OS Debugger as z/OS Debugger*
- *IBM Wazi Deploy as Wazi Deploy*
- *IBM Dependency Based Build as Dependency Based Build*
- *IBM Explorer for z/OS as z/OS Explorer*
- *IBM Remote System Explorer API as RSEAPI*
- *IBM Application Performance Analyzer for z/OS as Application Performance Analyzer*
- *IBM Fault Analyzer for z/OS as Fault Analyzer*
- *IBM File Manager for z/OS as File Manager*
- *IBM Application Delivery Foundation for z/OS Common Components as ADFz Common Components*

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 4 identifies the basic program materials and documentation for Application Delivery Foundation.
- 3.0, “Program Support” on page 7 describes the IBM support available for Application Delivery Foundation.
- 4.0, “Program and Service Level Information” on page 8 lists the APARs (program level) and PTFs (service level) that have been incorporated into Application Delivery Foundation.
- 5.0, “Installation Requirements and Considerations” on page 9 identifies the resources and considerations that are required for installing and using Application Delivery Foundation.
- 6.0, “Installation Instructions” on page 15 provides detailed installation instructions for Application Delivery Foundation. It also describes the procedures for activating the functions of Application Delivery Foundation, or refers to appropriate publications.

Before installing Application Delivery Foundation, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that are supplied with this program in softcopy format and this program directory; after which, keep the documents for your 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.

Application Delivery Foundation is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The program directory that is provided in softcopy format on the CBPDO is identical to the hardcopy format if one was included with your order. All service and HOLDDATA for Application Delivery Foundation are included on the CBPDO.

Do not use this program directory if you install Application Delivery Foundation with a z/OSMF Portable Software Instance (ServerPac). When you use one of those offerings, use the jobs and documentation supplied with the offering. The offering will point you to specific sections of this program directory as needed.

1.1 Application Delivery Foundation Description

IBM Application Delivery Foundation for z/OS 5.0.0 includes the following development tools:

- IBM Developer for z/OS Enterprise Edition 17.0
- IBM Explorer for z/OS 3.4
- IBM Application Performance Analyzer for z/OS 16.1
- IBM Fault Analyzer for z/OS 16.1
- IBM File Manager for z/OS 16.1

These products can be obtained as a solution bundle or individually:

- IBM Developer for z/OS Enterprise Edition 17.0 includes FMIDs IBM z/OS Explorer Extensions 17.0, IBM z/OS Source Code Analysis 17.0, IBM z/OS Debugger 17.0, IBM Wazi Deploy 3.0, and IBM Dependency Based Build 3.0. This product provides a comprehensive development and debugging solution for z/OS application developers.
- IBM Explorer for z/OS 3.4 includes FMIDs IBM Explorer for z/OS 3.4, and IBM Remote System Explorer API 3.4. This product is the strategic integration platform for IBM's Eclipse-based offering for z/OS application developers and system programmers.
- IBM Application Performance Analyzer for z/OS 16.1 identifies z/OS application performance and response time problems, and assists in reducing resource consumption.
- IBM Fault Analyzer for z/OS 16.1 improves developer productivity and decreases deployment costs by helping to analyze and correct application failures quickly.
- IBM File Manager for z/OS 16.1 allows you to manipulate production, test, and development data in a variety of data stores, including DB2, IMS, CICS, MQ, data sets, and z/OS UNIX files.

1.2 Application Delivery Foundation FMIDs

Application Delivery Foundation consists of the following FMIDs:

- Developer for z/OS Enterprise Edition:
 - z/OS Explorer Extensions:
HHOPH00
 - z/OS Source Code Analysis:
HAKGH00
 - z/OS Debugger:

- HADRH00
- JADRH0J
- Wazi Deploy:
HAMO300
- Dependency Based Build:
HBGZ300
- z/OS Explorer:
 - z/OS Explorer:
HALG340
 - RSEAPI:
HAMA120
- Application Performance Analyzer:
HAD0G10
JAD0G1J
- Fault Analyzer:
HADQG10
JADQG1J
- File Manager:
HADLG10
JADLG11
JADLG12
JADLG13
JADLG14
JADLG15
JADLG16
JADLG17
- ADFz Common Components:
HVWR1A0
JVWR1A1

2.0 Program Materials

An IBM program is identified by a program number. The program number for Application Delivery Foundation is 5755-AB1.

Basic Machine-Readable Materials are materials that are supplied under the base license and are required for the use of the product.

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

2.1 Basic Machine-Readable Material

To view the Program File Content for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

2.2 Program Publications

The following sections identify the basic publications for Application Delivery Foundation.

Figure 1 identifies the basic unlicensed publications for Application Delivery Foundation.

Publication Title	Form Number	Media Format
<i>IBM Application Delivery Foundation for z/OS Agreements and License Information</i>	GI13-5690	electronic
<i>Program Directory for IBM Developer for z/OS Enterprise Edition</i>	GI13-5688	electronic

Figure 1 (Page 2 of 2). Basic Material: Unlicensed Publications

Publication Title	Form Number	Media Format
<i>Program Directory for IBM z/OS Explorer Extensions</i>	GI13-5688	electronic
<i>Program Directory for IBM z/OS Source Code Analysis</i>	GI13-5699	electronic
<i>Program Directory for IBM z/OS Debugger</i>	GI13-5689	electronic
<i>Program Directory for IBM Wazi Deploy</i>	GI13-5656	electronic
<i>Program Directory for IBM Dependency Based Build</i>	GI13-5697	electronic
<i>Program Directory for IBM Explorer for z/OS</i>	GI13-5341	electronic
<i>Program Directory for IBM Remote System Explorer API</i>	GI13-5342	electronic
<i>Program Directory for IBM Application Performance Analyzer for z/OS</i>	GI13-5687	electronic
<i>Program Directory for IBM Fault Analyzer for z/OS</i>	GI13-5685	electronic
<i>Program Directory for IBM File Manager for z/OS</i>	GI13-5686	electronic
<i>Program Directory for IBM Application Delivery Foundation for z/OS Common Components</i>	GI13-5696	electronic

To view the basic publications content for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

2.2.1 Optional Program Publications

No optional publications are provided for Application Delivery Foundation.

To view the optional publications content for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis

- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

2.3 Program Source Materials

No program source materials or viewable program listings are provided for Application Delivery Foundation.

2.4 Publications Useful During Installation

You might want to use the publications listed in Figure 2 during the installation of Application Delivery Foundation, which can be found at **IBM Products documentation**, <https://www.ibm.com/docs/en/products>

Figure 2. Publications Useful During Installation

Publication
<i>IBM SMP/E for z/OS User's Guide</i>
<i>IBM SMP/E for z/OS Commands</i>
<i>IBM SMP/E for z/OS Reference</i>
<i>IBM SMP/E for z/OS Messages, Codes, and Diagnosis</i>

3.0 Program Support

This section describes the IBM support available for Application Delivery Foundation.

3.1 Program Services

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

3.2 Preventive Service Planning

Before you install Application Delivery Foundation, make sure that you review the PSP bucket information for IBM Z products document <https://www.ibm.com/support/pages/node/7127792>. It contains the latest information concerning the installation of IBM products, including the latest service recommendations and cross-product dependencies. This information was previously available in traditional PSP buckets, which are no longer published for IBM Z products.

For support, access the Software Support Website at <https://www.ibm.com/mysupport/>

3.3 Statement of Support Procedures

Report any problems which you feel might be an error in the product materials to your IBM Support Center. You may be asked to gather and submit additional diagnostics to assist the IBM Support Center in their analysis.

To identify the component IDs (COMPID) for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

4.0 Program and Service Level Information

This section identifies the program and relevant service levels of Application Delivery Foundation. The program level refers to the APAR fixes that have been incorporated into the program. The service level refers to the PTFs that have been incorporated into the program.

4.1 Program Level Information

To view the list of APAR fixes against the previous releases for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

4.2 Service Level Information

To view the list of PTF fixes against the previous releases for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.0 Installation Requirements and Considerations

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

- *Driving system*: the system on which SMP/E is executed to install the program.
The program might have specific operating system or product level requirements for using processes, such as binder or assembly utilities during the installation.
- *Target system*: the system on which the program is configured and run.
The program might have specific product level requirements, such as needing access to the library of another product for link-edits. These requirements, either mandatory or optional, might directly affect the element during the installation or in its basic or enhanced operation.

In many cases, you can use a system as both a driving system and a target system. However, you can make a separate IPL-able clone of the running system to use as a target system. The clone must 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.

Use separate driving and target systems in the following situations:

- When you install a new level of a product that is already installed, the new level of the product will replace the old one. By installing the new level onto a separate target system, you can test the new level and keep the old one in production at the same time.
- When you install a product that shares libraries or load modules with other products, the installation can disrupt the other products. By installing the product onto a separate target system, you can 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 Application Delivery Foundation.

5.1.1 Machine Requirements

To identify the driving system machine requirements for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build

- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.1.2 Programming Requirements

To identify the driving system software requirements for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2 Target System Requirements

This section describes the environment of the target system required to install and use Application Delivery Foundation.

5.2.1 Machine Requirements

To identify the target system hardware requirements for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer

- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2.2 Programming Requirements

5.2.2.1 Installation Requisites: Installation requisites identify products that are required and *must* be present on the system or products that are not required but *should* be present on the system for the successful installation of this product.

Mandatory installation requisites identify products that are required on the system for the successful installation of this product.

Conditional installation requisites identify products that are *not* required for successful installation of this product but can resolve such things as certain warning messages at installation time.

To view the installation requisites for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2.2.2 Operational Requisites: Operational requisites are products that are required and *must* be present on the system or products that are not required but *should* be present on the system for this product to operate all or part of its functions.

Mandatory operational requisites identify products that are required for this product to operate its basic functions.

Conditional operational requisites identify products that are *not* required for this product to operate its basic functions but are required at run time for this product to operate specific functions.

To view the operational requisites for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions

- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2.2.3 Toleration/Coexistence Requisites: Toleration/coexistence requisites identify products that must be present on sharing systems. 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 environment at different time intervals.

To view the toleration/coexistence requisites for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2.2.4 Incompatibility (Negative) Requisites: Negative requisites identify products that must *not* be installed on the same system as this product.

To view the negative requisites for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI

- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.2.3 DASD Storage Requirements

To review the DASD storage requirements for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

5.3 FMIDs Deleted

Installing any of the products that constitute Application Delivery Foundation, may result in the deletion of other FMIDs. To see which FMIDs will be deleted, examine the ++VER statement in the SMPMCS of the product.

If you do not want to delete these FMIDs at this time, install Application Delivery Foundation into separate SMP/E target and distribution zones.

Note: These FMIDs are not automatically deleted from the Global Zone. If you want to delete these FMIDs from the Global Zone, use the SMP/E REJECT NOFMID DELETEFMID command. See the SMP/E Commands book for details.

5.4 Special Considerations

To view the special considerations for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger

- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

6.0 Installation Instructions

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

6.1 Installing Application Delivery Foundation

To view the installation instructions for the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

6.1.1 Dynamic Enablement - Update PARMLIB

Products purchased as part of Application Delivery Foundation are required to be registered to run under the Application Delivery Foundation program ID, 5755-AB1.

PARMLIB member IFAPRDxx needs to be updated to include a PRODUCT entry as follows:

```
PRODUCT OWNER('IBM CORP')
NAME('IBM APP DLIV FND')
ID(5755-AB1)
VERSION(*) RELEASE(*) MOD(*)
FEATURENAME(*)
STATE(ENABLED)
```

After you have updated IFAPRDxx, issue the SET PROD=xx operator command to activate the change.

This PRODUCT entry is valid for all products that constitute Application Delivery Foundation.

6.2 Activating Application Delivery Foundation

To activate the products that constitute Application Delivery Foundation, refer to the following Program Directories that are supplied with the product.

- Publication number GI13-5688 for Developer for z/OS Enterprise Edition
- Publication number GI13-5688 for z/OS Explorer Extensions
- Publication number GI13-5699 for z/OS Source Code Analysis
- Publication number GI13-5689 for z/OS Debugger
- Publication number GI13-5656 for Wazi Deploy
- Publication number GI13-5697 for Dependency Based Build
- Publication number GI13-5341 for z/OS Explorer
- Publication number GI13-5342 for RSEAPI
- Publication number GI13-5687 for Application Performance Analyzer
- Publication number GI13-5685 for Fault Analyzer
- Publication number GI13-5686 for File Manager
- Publication number GI13-5696 for ADFz Common Components

7.0 Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

APAR numbers are provided in this document to assist in locating PTFs that may be required. Ongoing problem reporting may result in additional APARs being created. Therefore, the APAR lists in this document may not be complete. To obtain current service recommendations and to identify current product service requirements, always refer to the instructions in the **Service Recommendation Summary and Service Recommendations** and **Cross Product Dependencies** sections of the **PSP bucket information for IBM Z products** at <https://www.ibm.com/support/pages/node/7127792>, to ensure you have all required service.

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