

Adabas for z/1P

Release Notes

Version 8.3.5

April 2018

This document applies to Adabas for zIIP Version 8.3.5 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Adabas for zIIP 8.3 Release Notes

This document provides information on Adabas for zIIP, a selectable unit of Adabas that enables Adabas to make use of IBM's zIIP engine. Whether running the basic Adabas nucleus, Adabas Cluster Services, or Adabas Parallel Services, Adabas for zIIP enables Adabas on z/OS to offload part of the Adabas workload from the mainframe's general central processors (GCP) to System z Integrated Information Processors (zIIP).

Offloading work from the GCPs will free up some of their capacity. This helps decrease the total cost of operation (TCO) of the GCPs and makes room for running additional workload on them. Furthermore, the use of Adabas for zIIP may result in performance benefits by increasing the throughput for certain workloads.

Adabas for zIIP 8.3 SP5 provides the same functionality, features and corrective maintenance as Adabas 8.3 SP4, plus the support for zIIPs. It is intended for use in Adabas 8.3 installations that wish to run some of their Adabas workload on zIIPs.

Adabas for zIIP supports other selectable units that are integrated into the Adabas nucleus:

- Adabas Caching Facility
- Adabas Cluster Services
- Adabas Delta Save Facility
- Adabas Fastpath
- Adabas Online System
- Adabas Parallel Services
- Adabas SAF Security
- Adabas Transaction Manager
- Adabas Vista
- Event Replication for Adabas (in Adabas source databases)

Adabas nuclei running with Adabas Review enabled are supported, but the Review subtasks do not currently run on zIIPs. Also, the Adabas Review Hub, the Event Replicator server (Reptor) and the Adabas utilities do not currently support execution on zIIPs.

This document provides a brief summary of the features in Adabas for zIIP 8.3 SP5, with links for more information to other areas of the Adabas documentation set. New and changed features in Adabas 8.3 up to SP4 are described in the release notes for Adabas 8.3 SP4.

This document covers the following topics:

<i>Supported Operating System Platforms</i>	Describes the currently supported operating environments for this version of Adabas.
<i>Enhancements</i>	Describes the new and changed features in Adabas 8.3.
<i>Installation and License</i>	Describes where installation and license information for Adabas for zIIP can be found.
<i>Limitations and Restrictions</i>	Lists the limitations and restrictions currently existing in this version of Adabas for zIIP.
<i>Applying Zaps</i>	Describes general information on where to locate and how to apply Adabas zaps.
<i>Software AG Mainframe Product Compatibility</i>	Describes the compatibility of this version of Adabas with other Software AG mainframe products.
<i>Using 8.2 COR-based Add-ons</i>	Describes using version 8.2 SP2 of the COR-based add-on products Adabas System Coordinator (COR), Adabas SAF Security (AAF), Adabas Fastpath (AFP), Adabas Transaction Manager (ATM), and Adabas Vista (AVI) with this version of Adabas.
<i>End of Maintenance</i>	Describes how you can determine the end-of-support dates for your Software AG products.
<i>Documentation and Other Online Information</i>	Describes the documentation and other online information you can obtain for this release of Adabas.

2 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to empower@softwareag.com with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at https://empower.softwareag.com/public_directory.asp and give us a call.

Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

3 Supported Operating System Platforms

Adabas for zIIP is a selectable unit for Adabas on z/OS. It is suitable for installations with one or more System z Integrated Information Processors (zIIP).

Software AG generally provides support for the operating system platform versions supported by their respective manufacturers; when an operating system platform provider stops supporting a version of an operating system, Software AG will stop supporting that version.

For information regarding Software AG product compatibility with IBM platforms and any IBM requirements for Software AG products, please review the [Product Compatibility for IBM Platforms](#) web page.

Before attempting to install this product, ensure that your host operating system is at the minimum required level. For information on the operating system platform versions supported by Software AG products, complete the following steps.

1. Access Software AG's Empower web site at <https://empower.softwareag.com>.
2. Log into Empower. Once you have logged in, you can expand **Products** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability screen.

Home > Products > Product Version Availability

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- Order Products/Licenses
- Product Version Availability**
- Announcements
- Documentation
- Technical Reports
- Security
- Globalization
- Feature Requests in Brainstorm

Contact Support

- General Support Information
- Partner Services
- Preferences
- Community Services

Product Version Availability

General Availability (GA), Platform retirement, End of Maintenance (EOM), and End of Sustained Support (EOSS) dates for your products. [View a description of these terms in our Maintenance Policy.](#)

Product Line: - OR Product Family: -

Product Name: -

Product Version: -

Operating System: - Operating System Version: -

Show prior Product Versions:

Sort by Product Version: Descending Ascending

Rows per Page: 100

SEARCH CANCEL

Rows 1 - 100 of 6035 | Rows per page: 100 | Click for Printable Version of below Table:

Product Line	Product - Product Version	Version Lifecycle Milestone			
		GA	OS Retirement	EOM	EOSS
Operating System and Hardware *					
Product Line: ARIS	ARIS MashZone [YCZ] 9.0.0				
	Windows 7 Professional Editions - x86-64	2013-04-29	-	2015-03-31	2016-03-31

3. Use the fields on this top of this screen to filter its results for your Software AG product. When you click the **Search** button, the supported Software AG products that meet the filter criteria are listed in the table below the filter criteria.

This list provides, by supported operating system platform:

- the Software AG general availability (GA) date of the Software AG product;
- the date the operating system platform is scheduled for retirement (OS Retirement);
- the Software AG end-of-maintenance (EOM) date for the product; and
- the Software AG end-of-sustained-support (EOSS) date for the product.



Note: Although it may be technically possible to run a new version of your Software AG product on an older operating system, Software AG cannot continue to support operating system versions that are no longer supported by the system's provider. If you have questions about support, or if you plan to install this product on a release, version, or type of operating system other than one listed on the Product Version Availability screen described above, consult Software AG technical support to determine whether support is possible, and under what circumstances.

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This chapter lists the Adabas for zIIP 8.3 SP5 and related Adabas 8.3 enhancements.

Category	Enhancements
Adabas for zIIP 8.3 SP5 Enhancements	Adabas 8.3 ADARUN Parameter Enhancements
	Adabas 8.3 Operator Command Enhancements
	zIIP-Related Session Statistics
	Alternative Code Page Conversion System ICS
	Documentation Enhancements

Adabas 8.3 ADARUN Parameter Enhancements

This section describes the ADARUN Parameter enhancements made with Adabas for zIIP Version 8.3 SP5.

- [ZIIP: Enable zIIP Usage](#)

For more information about any ADARUN parameter, read *Adabas Initialization (ADARUN Statement)*, in the *Adabas Operations Manual*.

ZIIP: Enable zIIP Usage

This release introduces a new ADARUN parameter called `ZIIP`. This parameter controls whether or not Adabas activates the selectable unit Adabas for zIIP (AZPAD). Valid values are YES or NO; NO is the default.

This parameter is valid for z/OS operating environments only.

For complete information about the `ZIIP` parameter, read *ZIIP Parameter: Activate Usage of Adabas for zIIP*, in the *Adabas Operations Manual*.

Adabas 8.3 Operator Command Enhancements

This section describes the operator command enhancements made in Adabas for zIIP Version 8.3 SP5.

- [DPARM Command](#)
- [DZSTAT Command](#)

- **ZIIP Command**

DPARM Command

With Adabas for zIIP version 8.3 SP5, the DPARM operator command displays the current value of the ZIIP parameter, as do the ADADBS OPERCOM DPARM function and AOS menu Display Parameters.

DZSTAT Command

Adabas for zIIP Version 8.3 SP5 introduces the DZSTAT operator command. This command can be given to an Adabas nucleus that has been started with ZIIP=YES. Use the DZSTAT command to display statistics about the execution of Adabas in SRB mode and TCB mode and about the CPU time consumed on System z Integrated Information Processors (zIIP) and general central processors (GCP).

In response to operator command DZSTAT, Adabas displays basic zIIP-related statistics. If, additionally, the parameter ALL is specified (DZSTAT,ALL), Adabas displays basic and extended zIIP-related statistics.

For more information, refer to *DZSTAT Command*, in the *Adabas Operations Manual*.

The DZSTAT command is also available via the ADADBS OPERCOM DZSTAT function and via AOS menu Display session utilization / zIIP Statistics.

ZIIP Command

Adabas for zIIP Version 8.3 SP5 introduces the ZIIP operator command. Use this command to turn on or off the use of System z Integrated Information Processors (zIIP) in the Adabas nucleus.

Issuing ZIIP=YES will tell the Adabas nucleus to run in SRB mode whenever possible, enabling the use of zIIPs. Issuing ZIIP=NO will tell the Adabas nucleus to always run in TCB mode, using only general processors.

The ZIIP operator command may only be used in an Adabas nucleus that was started with ADARUN parameter ZIIP=YES.

For more information, refer to *ZIIP Command*, in the *Adabas Operations Manual*.

The ZIIP command is also available via the ADADBS OPERCOM ZIIP function and via AOS menu Modify Parameters.

zIIP-Related Session Statistics

Adabas for zIIP prints extensive statistics about its execution in SRB mode and TCB mode and about the CPU time consumed on System z Integrated Information Processors (zIIP) and general central processors (GCP), both at session termination and before refreshing the statistics in the course of an ADADBS REFRESHSTATS function (subject to the REFSTPRT parameter).

Also, selected zIIP-related statistics are stored in the SYNS-60 Nucleus statistic checkpoints that Adabas creates at regular intervals (see ADARUN parameter INTNAS). They are displayed by the ADAREP CPEXLIST function.

For details on the zIIP-related statistics, see the section *Monitoring zIIP Usage* in the *Adabas for zIIP* documentation.

Alternative Code Page Conversion System ICS

The Universal Encoding Support (UES) in Adabas for zIIP 8.3 SP5 has been enhanced to optionally use ICS, a new, alternative code page conversion subsystem. ICS is based on International Components for Unicode (ICU V58.2), an open source project initiated by IBM (<http://site.icu-project.org>). ICU is already being used with other Software AG products like Natural for Mainframes and Adabas on Linux, UNIX and Windows.

For the time being, Software AG's Entire Conversion Services (ECS) remains the default code page conversion subsystem for Adabas for Mainframes, but it will be retired and replaced by ICS in the future.

The code page modules of ICS are provided in the separate *ICS221.LOAD* library. If ICS is to be used, this load library must be concatenated to the *AZP835.LOAD* library in the Adabas nucleus/utility job or job step. Furthermore, special zap AY835165 must be applied to switch to using ICS instead of ECS. This zap can be found in member ZAPOPT of the *AZP835.SRCE* library.

ICS does not require the SMARTS runtime system (APS). It supports the same code pages as ECS. When used with Adabas for zIIP, ICS is more efficient than ECS in converting text between code pages.

Documentation Enhancements

Information on the basic concepts around zIIP processing can be found in the new *Adabas for zIIP* documentation.

5 Installation and License

Detailed information on the installation of Adabas for zIIP 8.3 SP 5 and the required license file can be found in the new section *Installing Adabas for zIIP* of the *Installation for z/OS* documentation.

6 Limitations and Restrictions


There are functional limitations with Adabas for zIIP. The following ADARUN parameters and values are not supported:

- MODE=SINGLE
- MONITOR
- UEX3
- SMGT=YES is supported, but the abend handler is disabled and the Adabas nucleus will come down when an abend occurs.

If a parameter or value not supported by Adabas for zIIP is specified in combination with ZIIP=YES, Adabas aborts its session start with PARM-ERROR 128.

At this time, while Adabas for zIIP supports Adabas nuclei for databases that serve as the source of replication data, it does not support the Event Replicator Server that receives and processes replication data.

7 Applying Zaps

 **Important:** Be sure that you apply all supplied Adabas maintenance and concatenate Adabas patch-level libraries (L00*n*), as they are delivered to you. This will ensure that your Adabas code remains up-to-date, supporting all Adabas features as they are enhanced and maintained. The latest zaps for this product are available in the Knowledge Center in Software AG's Empower (<https://empower.softwareag.com>) web site.


In general, zaps for Adabas components (such as Adabas nuclei, the Adabas router, Adabas utilities) can be applied and made active one component at a time.

- Adabas utility zaps should be applied to the load library. The utility can then be run or rerun to make use of the zap.
- Adabas nucleus zaps should first be applied to the load library. Then the nucleus should be stopped and restarted to activate the zap.
- Adabas router (on z/OS, ADASVC) zaps should first be applied to the load library. Then all Adabas nuclei and other MPM servers running on the router should be stopped and the router should be reinstalled to activate the zap. Finally, the Adabas nuclei and MPM servers should be restarted.

Finally, the distributed source library contains member ZAPOPT, which lists some optional zaps that you may choose to apply for the activation or deactivation of various features and optional user settings of Adabas. A ZAPOPT member will be included with each SM level distribution.

8 Software AG Mainframe Product Compatibility

The following table describes Adabas 8.3 compatibility with other Software AG mainframe products, including prior releases of Adabas itself. You may need to upgrade your installation of the software if your existing release is not listed.

 **Note:** Any exceptions to the product compatibility described here will be covered in the documentation for the specific product.

Product	Compatible Version Levels and Notes
Adabas (ADA) 8.3	<p>The version used of the Adabas SVC or router (BS2000) must be the same as or greater than the version of any Adabas database used in your Adabas environment. For example, the Adabas 8.3 SVC/router can be run in the same environment with Adabas 8.1, 8.2, or 8.3 databases. However, an Adabas 8.3 database cannot run in the same environment with an Adabas 8.2 SVC/router.</p> <p>For any given database (on disk), the Adabas nucleus and utilities of the same version and release level as the database must be used. If you need to convert a database to a higher version or release level, or revert it to a lower version or release level, the ADACNV utility of the higher level must be used.</p> <p>The Adabas link (ADALNK) routines can be used across versions. For example, Adabas 8.3 link routines can be used to issue calls to Adabas 8.2 databases. Software AG recommends that you use the Adabas 8 link routines for all programs that issue Adabas direct calls.</p>
Adabas Bridge for DL/I (ADL)	Version 2.3 SP2 supports Adabas 8.
Adabas Bridge for VSAM (AVB)	Version 5.1 SP1 releases support Adabas 8.3 databases that do not make use of the expanded features (for example, spanned records, increased limits, or large object fields) available in Adabas 8.3.
Adabas Caching Facility (ACF)	Version 8.3 supports Adabas 8.3 databases and requires the Adabas 8.3 load library, with appropriate Adabas 8.3 zaps applied.

Product	Compatible Version Levels and Notes
Adabas CICS Interface (ACI)	Version 8.3 supports Adabas 8.3 databases, with appropriate Adabas 8.3 zaps applied.
Adabas Cluster Services (ALS)	Version 8.3 supports Adabas 8.3 databases and requires the Adabas 8.3 load library, with appropriate Adabas 8.3 zaps applied.
Adabas Delta Save Facility (ADE)	Version 8.3 supports Adabas 8.3 databases and requires the Adabas 8.3 load library, with appropriate Adabas 8.3 zaps applied.
Adabas Fastpath (AFP)	The minimum supported level of Adabas Fastpath for use with Adabas 8.3 is version 8.2 SP2. To run Adabas Fastpath 8.2 SP2 with Adabas 8.3 databases requires additional installation steps and maintenance. For more information, read Using 8.2 COR-based Add-ons with Adabas 8.3 , elsewhere in this guide.
Adabas IMS Interface (AII)	Version 8.3 supports Adabas 8.3 databases, with appropriate Adabas 8.3 zaps applied.
Adabas Native SQL (SQL)	Version 2.4 SP1 supports Adabas 8 databases that do not make use of the expanded features (for example, spanned records, increased limits, or large object fields) available in Adabas 8.
Adabas Online System (AOS)	Version 8.3 supports Adabas 8.3 databases, with appropriate Adabas 8.3 zaps applied.
Adabas Parallel Services (ASM)	Version 8.3 supports Adabas 8.3 databases and requires the Adabas 8.3 load library, with appropriate Adabas 8.3 zaps applied.
Adabas Review (REV)	Version 4.7 requires Adabas 8.2 SP5 or later Adabas releases (including Adabas 8.3); it does not support earlier versions of Adabas. Version 4.6 supports Adabas 8.2 SP5 or later Adabas 8.2 releases; it does not support Adabas 8.3. For a complete description of the compatibility between Adabas Review and Adabas 8, read the section entitled <i>Adabas Review Version Compatibility</i> in the Adabas Review Release Notes.
Adabas SAF Security z/OS (AAF)	The minimum supported level of Adabas SAF Security for use with Adabas 8.3 is version 8.2 SP2. To run Adabas SAF Security 8.2 SP2 with Adabas 8.3 databases requires additional installation steps and maintenance. For more information, read Using 8.2 COR-based Add-ons with Adabas 8.3 , elsewhere in this guide.
Adabas Statistics Facility (ASF)	Version 8 fully supports all Adabas 8 databases and expanded features.
Adabas SQL Gateway (ACE)	All currently supported versions of ACE support Adabas 8 databases. Please check the individual release notes for further information on which databases features are supported
Adabas System Coordinator (COR)	The minimum supported level of Adabas System Coordinator for use with Adabas 8.3 is version 8.2 SP2. To run Adabas System Coordinator 8.2 SP2 with Adabas 8.3 databases requires additional installation steps and maintenance. For more information, read Using 8.2 COR-based Add-ons with Adabas 8.3 , elsewhere in this guide.
Adabas Text Retrieval (TRS)	Version 2.1 SP4 works with Adabas 8.3 SP1 when the Adabas Text Retrieval 2.1 SP4 hyperdescriptor exit TRSHEX12 is enabled to run with the Version 8 interface by applying zaps TR21454 and TR21455. This hyperdescriptor exit

Product	Compatible Version Levels and Notes
	<p>will then only operate with Adabas Version 8. If you then want to run Adabas Text Retrieval 2.1 SP4 with an older Adabas version, you must either undo the zaps or use a copy of the hyperdescriptor exit where zaps TR21454 and TR21455 are not applied. If you do use TR21454 and TR21455, the following additional Adabas Text Retrieval fixes must be applied as prerequisite zaps: TR21420, TR21421, TR21422, TR21423 and TR21424. These zaps can be found in Empower.</p> <p>It is not necessary to use the Adabas Hyperdescriptor Exit Stub in conjunction with Adabas Text Retrieval.</p>
Adabas Transaction Manager (ATM)	The minimum supported level of Adabas Transaction Manager for use with Adabas 8.3 is version 8.2 SP2. To run Adabas Transaction Manager 8.2 SP2 with Adabas 8.3 databases requires additional installation steps and maintenance. For more information, read Using 8.2 COR-based Add-ons with Adabas 8.3 , elsewhere in this guide.
Adabas Vista (AVI)	The minimum supported level of Adabas Vista for use with Adabas 8.3 is version 8.2 SP2. To run Adabas Vista 8.2 SP2 with Adabas 8.3 databases requires additional installation steps and maintenance. For more information, read Using 8.2 COR-based Add-ons with Adabas 8.3 , elsewhere in this guide.
Data Archiving for Adabas (ADR)	Data Archiving for Adabas is compatible with all supported versions of Adabas in z/OS environments.
Entire Net-Work (WCP)	Version 6.3 and above fully support Adabas 8 databases and expanded features, as well as ACBX interface direct calls.
Entire System Server (NPR)	Entire System Server Version 3.5 and later versions fully support Adabas 8 databases and expanded features.
Event Replicator for Adabas (ARK)	Version 3.4 SP1 with additional library ARF341.L001 supports Adabas 8.3. For more information, refer to your Event Replicator for Adabas documentation.
Natural (NAT)	Version 8.2 SP4 fully supports Adabas 8.3 databases and expanded features.
Predict (PRD)	Version 8.2 SP2 and 8.2 SP3 fully support Adabas 8.3 databases and expanded features.
EntireX/webMethods EntireX (EXX)	All currently supported versions of EntireX support Adabas 8 databases. Please check the individual release notes for further information.

9 Using 8.2 COR-based Add-ons

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This chapter describes using the Adabas COR-based Add-on products with Adabas for zIIP 8.3 SP5. It covers the following topics:

Introduction

You can use the following Adabas COR-based Add-on products in conjunction with Adabas for zIIP 8.3 SP5:

- Adabas System Coordinator (COR) 8.2 SP2 Patch Level 3 and above
- Adabas SAF Security (AAF) 8.2 SP2
- Adabas Fastpath (AFP) 8.2 SP2
- Adabas Transaction Manager (ATM) 8.2 SP2
- Adabas Vista (AVI) 8.2 SP2

Implementation

➤ To implement support for Adabas for zIIP 8.3 SP5 with the Adabas COR-based Add-on products, complete the following steps:

- 1 Ensure all available maintenance is applied to the Adabas COR-based Add-on products.



Note: Adabas System Coordinator version 8.2 SP2 Patch level 3 (COR822P003) - or later - is a prerequisite for Adabas for zIIP 8.3 SP5. If applicable, please read the COR Patch level 3 Readme carefully, applying all co-requisites and performing all necessary actions.

In addition, the specific maintenance for supporting Adabas for zIIP 8.3 SP5 is as follows:

Add-on Product	Version	Fix number
Adabas System Coordinator	8.3 SP1	None required
	8.2 SP2 Patch Level 3	MI822189, MI822190, MI822191, MI822193
Adabas Fastpath		None required
Adabas SAF Security		AX822010, AX822011, AX822012, AX822013, AX822014, AX822015
Adabas Transaction Manager		None required
Adabas Vista		None required

- 2 Replace any existing COR822.LX nn special purpose library with COR822.LX04 (COR822X004) or above, and ensure it is concatenated above the Adabas for zIIP library in all Adabas nuclei.

- 3 Make sure the libraries for the relevant Adabas COR-based Add-on products are available to Adabas.
- 4 If you have applied maintenance that modifies the Adabas System Coordinator stubs (CORS nn) then relink your LNKGBLS modules to include the modified stubs. You will also need to relink any Adabas link modules that include a LNKGBLS module.
- 5 If, after loading the Adabas 8.3 SP5 INPL library, there is a requirement to (re)load the Adabas COR-based Add-on INPLs, (for example to apply an INPL update) then these INPL jobs should specify the Check Date option. This option loads the libraries in a date-sensitive manner by checking the dates of your existing INPL library and not allowing older members to replace members of the same name with newer dates. The use of the INPL Check Date option is determined by the following CMSYNIN command input (assuming the Natural input parameters in the job are specified in comma-delimited mode, or IM=D):

```
B,,,,,,Y
```

For reference, a sample INPL job CORI061 can be found in the JOBS library of the Adabas System Coordinator.

Required Adabas Maintenance

Fixes may be produced after the final freeze of the Adabas release. Depending upon timing some or all of these fixes may be supplied with the installation kit in an "all zaps" dataset (*Z000). These fixes, and any others that also appear in Empower, should be applied during the Adabas installation process. The following fixes are currently known to be required when using the Adabas COR-based Add-on products:

- [Fixes Required For Adabas For zIIP 8.3 SP5](#)

Fixes Required For Adabas For zIIP 8.3 SP5

- None.

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End of Maintenance

For information on how long a product is supported by Software AG, access Software AG's Empower web site at <https://empower.softwareag.com>.

Log into Empower. Once you have logged in, you can expand **Products** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability application. This application allows you to review support information for specific products and releases.

11 Documentation and Other Online Information

- Software AG Documentation Website 32
- Software AG TECHcommunity 32
- Software AG Empower Product Support Website 32

The following online resources are available for you to obtain up-to-date information about your Software AG products:

Software AG Documentation Website

You can find documentation for all Software AG products on the Software AG Documentation website at <http://documentation.softwareag.com>. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts) or you can also use the TECHcommunity website to access the latest documentation.

Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at <http://techcommunity.softwareag.com>. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest. If you already have TECHcommunity credentials, you can adjust your areas of interest on the TECHcommunity website by editing your TECHcommunity profile. To access documentation in the TECHcommunity once you are logged in, select **Documentation** from the **Communities** menu.
- Access articles, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

Software AG Empower Product Support Website

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>. This site requires Empower credentials. If you do not have an Empower user ID and password yet, you will find instructions for registering on this site (free for customers with maintenance contracts).

To submit feature/enhancement requests, get information about product availability, and download products and certified samples, select **Products & Documentation** from the menu once you are logged in.

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, select **Knowledge Center** from the menu once you are logged in.

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