Adabas Review

Release Notes

Version 5.3.1

July 2025

ADABAS & NATURAL

This document applies to Adabas Review Version 5.3.1 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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Table of Contents

1 Adabas Review 5.3 Release Notes 1
2 About this Documentation 3
Document Conventions 4
Online Information and Support 4
Data Protection 5
3 Supported Operating System Platforms 7
4 Licensing 9
5 Enhancements 11
Accessing Adabas Review Online 13
Initializing Adabas Review from Batch Natural 13
Improved INSTALL DB Command 13
Repository Version in TECH Command 13
Header in Generated Basic Mode Programs 14
Improved Redisplay Mode 14
Loss-free RESET HISTORY Command 14
New Help Functions 14
New Commands and Command Alias Names 15
New Supplied Batch Natural Programs 15
User Profile Entry For SET and SETFILE Command 15
Increased Size of COMMANDS Field 16
Improved Performance Calling User Exits under zIIP 16
New ADARUN Parameters 16
New CHECKLOG Utility for Examining Log Formats 18
Help for Fields in Edit Report Screen 18
Help for User Fields 18
Order Handling in Edit Report Screen 18
Header and Comments in Generated Programs 18
Handling of User Default Options 19
Use Review Environment as Default for History File Settings 19
Shortcuts for Setting the Display Mode 19
Turning off Trans-port 19
6 Removed Features 21
Parameter File RVUAUT2 22
7 Migration from Previous Versions 23
Migration Steps 24
8 Plans for Future Versions 25
9 Software GmbH Product Support and Requirements 27
Adabas and Adabas Review Version Compatibility 28
Adabas Review Online (SYSREVDB) and Adabas Review Processor Compatibility 28
Adabas Review Zap Requirements 28
Natural Version Requirements 29
Adabas Cluster and Parallel Services Requirements 29

TP Monitor Support 29
10 Applying Maintenance 31
Applying Zaps in z/OS Environments 32
11 End of Maintenance 35
12 Documentation and Other Online Information 37
Software AG Documentation Website 38
Software AG TECHcommunity 38
Software AG Empower Product Support Website 38
Index 39

1 Adabas Review 5.3 Release Notes

Adabas Review version 5.3, which is used with Adabas version 8.5 SP3 and later releases, adds several new features to enhance the usability of the product.

Adabas Review monitors the performance of Adabas environments and the applications executing within them. You can use information retrieved about Adabas usage when tuning application programs to achieve maximum performance with minimal resources.

Supported Operating System Platforms	Lists the currently supported operating environments for Adabas Review.
Licensing	Describes the new and changed features concerning licensing in this version of Adabas Review.
Enhancements	Describes the new and changed features in this version of Adabas Review.
Removed Features	Describes the removed features in this version of Adabas Review.
Migration from Previous Versions	Describes the steps you must perform to migrate from prior Adabas Review releases to this one.
Plans for Future Versions	Describes plans for future versions of Adabas Review.
Product Support and Requirements	Describes the compatibility of Adabas Review with other Adabas products, including requirements (such as zaps) for the other Adabas products that are necessary for some Adabas Review functionality.
Applying Maintenance	Describes information you need to apply maintenance to Adabas Review in z/OS environments.
End of Maintenance	Describes how you can determine the end-of-support dates for your Software GmbH products.
Documentation and Other Online Information	Describes the documentation and other online information you can obtain about this release of Adabas Review.

For information regarding Software GmbH product compatibility with IBM platforms and any IBM requirements, please review the *Product Compatibility for IBM Platforms* web page.

Version Notation Convention

The version (release) of a Software GmbH product is identified by the first two digits of the version number. These numbers distinguish between major and minor versions according to the amount of functionality or technology added to the product. All other digits indicate a service pack.

- **Major Version**

  The first digit of the product version number indicates major architecture and functionality implementation or enhancement that adds value to the product.

- **Minor Version**

  The second digit of the version number indicates functionality addition, enhancement, or fix that adds value to the product.

- **Service Pack**

  The third digit of the version indicates a Service Pack which is an accumulation of fixes delivered as a planned release. It may additionally include new features. It can be denoted by "SP" in the version numbering.

In the product documentation, the notation *vrs*, *vr*, or *v* is often used as a placeholder for the current product version, for example, in data set or module names.

For further information related to the maintenance and support, see the Software GmbH Maintenance Policy on the Empower website.

2 About this Documentation

- Document Conventions 4
- Online Information and Support 4
- Data Protection 5

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
`Monospace font`	Identifies service names and locations in the format *`folder.subfolder.service`*, APIs, Java classes, methods, properties.
`Italic`	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

Product Documentation

You can find the product documentation on our documentation website at **https://documentation.softwareag.com**.

Product Training

You can find helpful product training material on our Learning Portal at **https://learn.softwareag.com**.

Tech Community

You can collaborate with Software GmbH experts on our Tech Community website at **https://techcommunity.softwareag.com**. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software GmbH news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories at **https://github.com/softwareag** and **https://hub.docker.com/publishers/softwareag** and discover additional Software GmbH resources.

Product Support

Support for Software GmbH products is provided to licensed customers via our Empower Portal at **https://empower.softwareag.com**. Many services on this portal require that you have an account. If you do not yet have one, you can request it at **https://empower.softwareag.com/register**. Once you have an account, you can, for example:

- Download products, updates and fixes.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

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

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. Expand **Products & Documentation** in the left menu of the web page and select **Product Version Availability** to access the Product Version Availability screen.
3. Use the fields on the 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.

4 Licensing

Starting with Adabas Review version 5.3.1, an Adabas Review license is required.

For information about prepating and installing the Adabas Review license file, see *Check, Prepare, and Install the Product License File*.

For complete information about the licensing process for Software GmbH mainframe products, see *Software GmbH Mainframe Product Licensing* in the Adabas for Mainframes documentation.

5 Enhancements

- Accessing Adabas Review Online 13
- Initializing Adabas Review from Batch Natural 13
- Improved INSTALL DB Command 13
- Repository Version in TECH Command 13
- Header in Generated Basic Mode Programs 14
- Improved Redisplay Mode 14
- Loss-free RESET HISTORY Command 14
- New Help Functions 14
- New Commands and Command Alias Names 15
- New Supplied Batch Natural Programs 15
- User Profile Entry For SET and SETFILE Command 15
- Increased Size of COMMANDS Field 16
- Improved Performance Calling User Exits under zIIP 16
- New ADARUN Parameters 16
- New CHECKLOG Utility for Examining Log Formats 18
- Help for Fields in Edit Report Screen 18
- Help for User Fields 18
- Order Handling in Edit Report Screen 18
- Header and Comments in Generated Programs 18
- Handling of User Default Options 19
- Use Review Environment as Default for History File Settings 19
- Shortcuts for Setting the Display Mode 19
- Turning off Trans-port 19

This chapter describes the Adabas Review 5.3 enhancements.

Category	Enhancements
Adabas Review 5.3 Enhancements	
Adabas Review 5.3.1.1 (REV_5.3_SP1 CF1) Enhancements	*Accesssing Adabas Review Online*
	Initializing Adabas Review from Batch Natural
	Improved INSTALL DB Command
	Repository Version in TECH Command
	Header in Generated Basic Mode Programs
	Improved Redisplay Mode
	Loss-free RESET HISTORY Command
	Improved Help Functions
	New Commands and Command Alias Names
	New Supplied Batch Natural Programs
	User Profile Entry For SET/SETFILE Command
Adabas Review 5.3.1 (REV_5.3_SP1) Enhancements	*Increased Size of COMMANDS Field*
	Improved Performance Calling User Exits under zIIP
	New ADARUN Parameters ■ **REVBUFMB (Review Buffer Pool Size in Mega Bytes)** ■ **REVLOGNR (Max Number Records per Buffer)** ■ **REVSTHMV ("Send to Hub" mode version)** ■ **REVTIMER (Max Delay when low activity)**
	New CHECKLOG Utility for Examining Log Formats
	Help for Fields in Edit Report Screen
	Help for User Fields
	Order Handling in Edit Report Screen
	Header and Comments in Generated Programs
	Handling of User Default Options
	Use Review Environment as Default for History File Settings
	Shortcuts for Setting the Display Mode
	Turning off Trans-port

Accessing Adabas Review Online

You can now start Adabas Review online when you enter the new `SYSREVDB` command at a Natural prompt. If required, the `SYSREVDB` command performs a `LOGON` to the library SYSREVDB. Then it starts the program `MENU`.

For more information about accessing Adabas Review online, see *Concepts and Facilities* > *Getting Started* > *Accessing Adabas Review Online*.

Initializing Adabas Review from Batch Natural

You can now initialize Adabas Review when you enter the `INSTALL` or `INSTALL ALL` command at a Natural prompt for SYSREVDB or from batch Natural.

For more information about the INSTALL command, see *Adabas Review Reference* > *Command Reference* > *INSTALL Command*.

Improved INSTALL DB Command

Running the `INSTALL DB` now repairs the Adabas Review repository if sample reports are missing or multiple copies of a sample report are found.

For more information about the INSTALL command, see *Adabas Review Reference* > *Command Reference* > *INSTALL Command*.

Repository Version in TECH Command

When you view the technical system information with the `TECH` command, the Database System Environment screen now shows the Adabas Review repository version if the repository was allocated with SYSREVDB 4.7 SP1 or lower. For further information, see *Concepts and Facilities* > *Getting Started* > *Accessing Technical System Information*.

Header in Generated Basic Mode Programs

The header of generated programs in Basic mode now uses the same standard header as programs in Editor mode.

Improved Redisplay Mode

The redisplay mode in the output of a Basic mode program now shows readable values for hexadecimal fields. The color of the REDISPLAY mode output is now turquoise.

For further information about the redisplay mode, see *Using Adabas Review* > *Managing Started or Scheduled Report Output* > *Scrolling Through Report Results in Redisplay Mode with the VW Command*.

Loss-free RESET HISTORY Command

When you execute the `RESET HISTORY` command, no data is lost. Running the command now also provides a preview mode and detailed information about the lock status of the file and the processed data.

For further information about resetting the history file, see *Using Adabas Review* > *Managing History Data* > *Compressing Accumulated History Report Data* > *Resetting the History File*.

New Help Functions

- When you execute the `HELP command` command, help information for the specified general Adabas Review command `command` is provided. For example, `HELP HELP` provides help information of the `HELP` command itself.
- When you execute the `HELP *` command, the available general Adabas Review commands are listed.
- If a question mark (?) is entered in the command line, the available general Adabas Review commands are listed.
- In the help screen of an Adabas Review field, you can press PF2 to display field specific information.

For further information, see *Concepts and Facilities* > *Getting Started* > *Using the Online Help System*.

New Commands and Command Alias Names

The following commands are new in SYSREVDB:

- The new Adabas Review commands `EXEC natcmd` or `// natcmd` executes the Natural command `natcmd`. After execution, the **SYSREVDB** main menu is started.
- The new Adabas Review command `NATURAL natcmd` executes the Natural command `natcmd`. It provides the same functionality as the Adabas Review command `NAT`.
- The new Adabas Review command `TERM` terminates the Natural session. It provides the same functionality as the Adabas Review commands `FIN` or `QUIT`.
- The new Adabas Review command `TRACE` maintains the **SYSREVDB** internal trace.

For further information, see *Adabas Review Reference > Command Reference*.

New Supplied Batch Natural Programs

The following supplied batch Natural program is new in SYSREVDB:

- The new Adabas Review program `REVTRACE` maintains the **SYSREVDB** internal trace.

For further information, see *Using Adabas Review > Using Adabas Review in Batch Natural*.

User Profile Entry For SET and SETFILE Command

The user profile access rule **Change LFILE Info?** indicates now whether users are allowed to run the `SET` or `SETFILE` command.

For further information, see *Administrative Functions > Maintaining User Profiles > User Profile Access Rules* .

Increased Size of COMMANDS Field

The size of the COMMANDS field has been increased from (N13) to (N20) to avoid error situations for big values. A report using the COMMANDS field will use the increased space after a regeneration.

Note: If the data of a Basic mode report runs out of space because of the increased COMMANDS field size, use the Editor mode which offers more columns.

Improved Performance Calling User Exits under zIIP

Adabas Review now uses parallel requests when user exits are called in zIIP mode. This prevents mode switches.

New ADARUN Parameters

- REVBUFMB Parameter: Review Buffer Pool Size in Megabytes
- REVLOGNR Parameter: Max Number of Records per Buffer
- REVSTHMV Parameter: "Send to Hub" Mode Version
- REVTIMER Parameter: Max Delay when Low Activity

REVBUFMB Parameter: Review Buffer Pool Size in Megabytes

REVBUFMB specifies the size of the Review Buffer Pool used as temporary storage when sending the CLOG records via Network (ADALNK) to the Review Hub. This parameter is only supported when REVSTHMV is set to V53 and REVLOGNR is set to a value higher than 0. The REVBUFMB parameter may be activated during the Adabas nucleus session. The possible values are 1-1024 (default is 10).

For more information about the ADARUN parameters for Adabas Review, see ADARUN Parameters for Adabas Review.

REVLOGNR Parameter: Max Number of Records per Buffer

In Hub mode, this parameter specifies whether the CLOG records are sent as buffered records or as single records via Network (ADALNK) to the Review Hub. If you set REVLOGNR to 0 (default), the CLOG records are sent as single records. A value between 1 and 64 sets the maximum amount of CLOG records per buffer.

In Local mode, the parameter specifies the CLOG record after which the REVIEW subtask is posted for processing. If you set REVLOGNR to 0, the CLOG records are posted for processing after the 16th record (default). A value between 1 and 64 specifies after which record to post the REVIEW subtask for processing.

For more information about the ADARUN parameters for Adabas Review, see ADARUN Parameters for Adabas Review.

REVSTHMV Parameter: "Send to Hub" Mode Version

REVSTHMV specifies whether the ADARMT/ADRST interface or the ADARMX/ADARSX interface is used to send data via Network (ADALNK) to the Review Hub. Set REVSTHMV to V52 (default) to send the CLOG records via the ADARMT/ADARST interface. V53 sends the CLOG records via the ADARMX/ADARSX interface.

For more information about the ADARUN parameters for Adabas Review, see ADARUN Parameters for Adabas Review.

REVTIMER Parameter: Max Delay when Low Activity

In Hub mode, REVTIMER specifies the largest delay in seconds for sending buffered CLOG records via Network (ADALNK) in case of low database activity.

In Local mode, REVTIMER sends the CLOG records to the Review hub after no later than N seconds.

The possible values in both modes are 1-60 (default is 1).

For more information about the ADARUN parameters for Adabas Review, see ADARUN Parameters for Adabas Review.

New CHECKLOG Utility for Examining Log Formats

Adabas Review now uses the CHECKLOG utility to scan command logs and show a map of the records, such as block size, record size, which buffers exist, buffer size, etc.

Help for Fields in Edit Report Screen

When you edit a report, move the cursor to a line with a valid field name, and press PF1, the description of the field is shown in the online help system.

Help for User Fields

When you request the online help for a user field, a generic text is displayed. To provide your own text, see *Defining Adabas Review User Fields*.

Order Handling in Edit Report Screen

If only the Report Name column is filled for a non-numeric field (such as CMD), the Order column is assigned automatically.

If duplicate orders occur, the next higher order is used.

Header and Comments in Generated Programs

The header of a generated program in Editor mode now uses a more structured format.

For user fields, comments have been added to the corresponding view data in the local data definitions, indicating the name of the user field, for example:

```
2 USER-FIELD03-B                    (B100/1:10) /* CICS
```

Hereby, CICS is the name of the third user field.

Handling of User Default Options

With SYSREVDB, you can modify and save the default report options settings. In previous versions, the text members delivered with our products were also used to save the default user settings. With the new version, other names are used to save the user settings. These Natural text members are named OPTION-D and OPTION-S for detail and summary reports, respectively. This ensures that the user default options are not overwritten when an updated SYSREVDB is installed. If you want to copy the default options to another SYSREVDB environment (of same version), you may copy the two options text members.

For further information on how to modify the default options, see *Using Adabas Review > Maintaining Report Definitions*.

Use Review Environment as Default for History File Settings

In the Report Options screen, the settings of the Review environment are used now as default for the history file settings.

Shortcuts for Setting the Display Mode

The DISPLAY command can now be used with the shortcuts "B" and "E" for "BASIC" and "EDITOR", respectively, to change the mode for the generating display modules.

For further information about the DISPLAY command, see *Adabas Review Reference > Command Reference > DISPLAY Command*.

Turning off Trans-port

Trans-port, the standard cross-memory conduit for Review Hub, can be turned off by renaming RTPINIT in the Review load library. Adabas Calls transfers the data to Review Hub. Depending on the topology of your data center, the performance of Adabas Review might improve as a result of turning off Trans-Port.

6 Removed Features

- Parameter File RVUAUT2 22

The following features are removed in this version of Adabas Review:

Parameter File RVUAUT2

Parameter file RVUAUT2 has been removed from Adabas Review version 5.3.1. When autostarted reports are generated, they are now placed only in RVUAUT1. When Adabas Review starts, RVUAUT1 is the only autostarted file read.

7 Migration from Previous Versions

- Migration Steps 24

This chapter describes migration tasks you need to perform for this release of Adabas Review. It covers the following topics:

Migration Steps

To migrate to Adabas Review 5.3 SP1 from prior versions, consider and perform the following migration steps.

Adabas Review under Natural

1 Verify that any Adabas Review display programs or objects you have written or modified have unique names that do not begin with RD*, RX*, SR*, SX*, CR*, CX*, CS*, PU-* or BUFFERPOOL (these prefixes are reserved for use by Adabas Review programs). This will ensure that this migration process does not overwrite them.

2 INPL the Adabas Review programs and DDMs from the INPL data set distributed with this release into the SYSREVDB library as described in *Install Adabas Review under Natural*, in your Adabas Review installation instructions.

3 If an existing Adabas Review repository file is used, sample report **Scheduling File Usage** will be added to the repository and display program SR-00041 or SX-00041 will be generated (depending on the DISPLAY mode). This happens when SYSREVDB will be started for the first time.

4 If the Adabas Review Natural programs will be INPLed into an existing SYSREVDB library, the GDA timestamp will change with a new version. Thus, to be able to run the existing display programs, the function RECAT ALL needs to be executed. This function will be automatically triggered at the start of SYSREVDB, when user exit P-UEXIT1 will be re-cataloged because of a GDA timestamp conflict. For more information about RECAT ALL, read *Recataloging All Display Programs*, in the *Adabas Review User Guide*.

Note: Your user exits and RVCALL* program modifications will be kept and re-cataloged.

Adabas Review Repository

If new fields are added to the Adabas Review Repository, you must run an EXPAND job to migrate an existing repository from a previous version to the current version.

- If you are migrating from Adabas Review 5.2 SP1 or Adabas Review 5.2 SP2 to Adabas Review 5.3 SP1, no EXPAND job is needed because the repository did not change.

8 Plans for Future Versions

The following plans are in place for future versions of Adabas Review:

- Support for the `RVUAUT2` data set will be removed. Only support for the use of the `RVUAUT1` data set for autostarted reports will be provided.
- Improved field selection in the Edit Report screen.
- Improved help information for Adabas Review fields.

9 Software GmbH Product Support and Requirements

- Adabas and Adabas Review Version Compatibility 28
- Adabas Review Online (SYSREVDB) and Adabas Review Processor Compatibility 28
- Adabas Review Zap Requirements 28
- Natural Version Requirements 29
- Adabas Cluster and Parallel Services Requirements 29
- TP Monitor Support 29

For more information about Adabas installation and prerequisites, read the various Adabas installation documents and the Adabas Operations Manual documentation.

Adabas and Adabas Review Version Compatibility

This version of Adabas Review is compatible with all supported versions of Adabas.

When using Adabas Review with Adabas for Mainframes Version 8.5 or above, Adabas Review works with a reduced record size. The command log extensions are categorized in three types of segments. Data will be sent only once (type 1), every minute (type 2) or all the time (type 3).

This method may be switched off with the *INPUT statement* parameter `MODE=V51`. When using Adabas Review with Adabas for Mainframes Version 8.4 or below, this feature is not available, and the old mode will be used automatically.

Adabas Review Online (SYSREVDB) and Adabas Review Processor Compatibility

Adabas Review Online (SYSREVDB) supports back-level versions of the Adabas Review Processor. However, the same version of SYSREVDB and the Adabas Review Processor is a prerequisite to use any new features provided in a version.

Adabas Review Zap Requirements

All released Adabas Review zaps should be applied to the executables before completing installation.

The following table lists the Adabas zaps you must have applied to use the new features of this version of Adabas Review with different versions of Adabas:

Adabas Release	Required Adabas Zaps
8.5 SP3	AN853033, AN853043, AN853045, AN853052, AN853054, AN853060, AN853061, AN853062, AN853063, AN853067, AN853070, AN853075, AN853079, AN853080, AN853087, AN853090, AN853093, AN853099, AO853010, AO853011, AO853012, AO853016, AO853026, AO853029, AO853030, AI853022
8.5 SP4	AN854004, AN854006, AN854013, AN854014, AN854015, AN854020, AN854023, AN854028, AN854032, AN854033, AN854039, AN854042, AN854045, AN854052, AO854001, AO854002, AO854003, AO854007, AO854017, AO854018, AO854019, AI854014

Adabas Encryption for z/OS Release	Required Zaps for Adabas Encryption
8.5 SP1	AE851009, AE851030, AE851031, AE851032

Natural Version Requirements

This version of Adabas Review requires Natural Version 9.2 SP1 or higher. We strongly recommend to apply all available Natural zaps.

SYSREVDB calls the AOS module AOSASM for some functions, e.g. cluster environments. AOSASM is delivered with Adabas. Make sure that the version of AOSASM used by Natural matches the used Adabas version.

Adabas Cluster and Parallel Services Requirements

This version of Adabas Review is compatible with all supported versions of Adabas Cluster Services and Adabas Parallel Services.

TP Monitor Support

This version of Adabas Review supports the following TP monitors:

- Com-plete
- CICS
- IMS/DC
- TSO

10 Applying Maintenance

- Applying Zaps in z/OS Environments 32

Be sure that you apply all supplied Adabas Review maintenance and concatenate Adabas Review patch-level libraries (L00n), as they are delivered to you. This will ensure that your Adabas Review code remains up-to-date, supporting all Adabas Review features as they are enhanced and maintained.

In general, corrections for Adabas Review can be applied and made active one component at a time.

- Adabas Review zaps should be applied to the Review load library.
- Adabas Server specifically for Review should be applied to the Adabas load library.
- Natural INPLs (cumulative fixes or hotfixes) for Adabas Review under Natural .

The latest corrections (zaps and Natural INPL) for this product are available in the Knowledge Center of the Software GmbH Empower web site: ***https://empower.softwareag.com***.

Finally, the distributed source library contains member ZAPOPT , which lists zaps that may be applied for the activation or deactivation of various features of Adabas Review. A ZAPOPT member will be included with each SP level distribution.

Important: We recommend that you keep its software products as current as possible and apply all known corrections. We strongly recommend that you read in the solution all installation instructions thoroughly, comply with all documented prerequisites, and keep track of all corrections that are applied. Applying only a subset of unrelated corrections can cause errors difficult to diagnose.

Applying Zaps in z/OS Environments

Use the z/OS AMASPZAP utility to apply zaps in the respective operating system; this method verifies (VER) and replaces (REP) data. The following sample JCL executes AMASPZAP:

```
//ADAZAP JOB
//STEP1 EXEC PGM=AMASPZAP,PARM=IGNIDRFULL
//SYSPRINT DD SYSOUT=X
//SYSLIB DD DSN=REVvrs.LOAD,DISP=SHR
//SYSIN DD *
(zap control statements)
/*
//
```

—where the following are examples of zap control statements:

```
NAME membername csectname
VER displacement data
REP displacement data
IDRDATA (up to eight bytes of user data)
* (comment)
```

Note: In VER and REP statements, spaces must be used to separate command, displacement, and data. Commas are acceptable data separators; however, commas with spaces or spaces alone are not, and may cause errors.

11 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.

12 Documentation and Other Online Information

- Software AG Documentation Website 38
- Software AG TECHcommunity 38
- Software AG Empower Product Support Website 38

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 ***https://documentation.softwareag.com***.

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.

Index

A

Adabas
    supported levels, 28
Adabas Cluster Services, supported levels, 29
Adabas Parallel Services, supported levels, 29
Adabas Review
    enhancements, 11
    future plans, 25
    online and processor, 28
    release notes,

C

client reporting
    required zaps, 29
compatibility, 28
conventions, version notation, 2

D

dates, end-of-maintenance, 35
documentation
    in TECHcommunity website, 38
    obtaining updates, 37
    on Documentation website, 38
Documentation website
    documentation, 38

E

Empower
    end-of-maintenance dates, 35
    platform support, 7
    product zap location, 32
Empower website
    product support, 38
end-of-maintenance dates, 35
enhancements, 11

F

future plans, 25

L

Linux and Cloud
    supported platforms, 7

M

maintenance, 31
Microsoft Windows support, 7
migration issues, 23

N

Natural
    required zaps, 29
    supported levels, 29

O

operating system coverage, 7

P

platform support, 7
product support
    end-of-maintenance dates, 35
    obtaining in Empower, 38
    obtaining updated documentation, 37
    supported platforms, 7

R

release notes,
requirements
    operating system coverage, 7

S

Software GmbH product support and requirements, 27
support
    end-of-maintenance dates, 35
    obtaining updated documentation, 37
    platforms supported, 7
support dates, 35
support for prior versions, 35
supported operating systems, 7
supported platforms, 7

T

TECHcommunity website, 38
TP monitors, supported for z/OS, 29

V

version notation convention, 2

Z

z/OS environments
    applying maintenance, 31
    applying zaps, 32
ZAPOPT member, 32
zaps
    applying in z/OS environments, 32