Adabas Review

Release Notes

Version 5.2.1

October 2022

ADABAS & NATURAL

This document applies to Adabas Review Version 5.2.1 and all subsequent releases.

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

Copyright © 2022 Software AG, Darmstadt, Germany and/or Software AG USA, Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

The name Software AG and all Software AG product names are either trademarks or registered trademarks of Software AG and/or Software AG USA, Inc. and/or its subsidiaries and/or its affiliates and/or their licensors. Other company and product names mentioned herein may be trademarks of their respective owners.

Detailed information on trademarks and patents owned by Software AG and/or its subsidiaries is located at http://softwareag.com/licenses.

Use of this software is subject to adherence to Software AG's licensing conditions and terms. These terms are part of the product documentation, located at http://softwareag.com/licenses/ and/or in the root installation directory of the licensed product(s).

This software may include portions of third-party products. For third-party copyright notices, license terms, additional rights or restrictions, please refer to "License Texts, Copyright Notices and Disclaimers of Third-Party Products". For certain specific third-party license restrictions, please refer to section E of the Legal Notices available under "License Terms and Conditions for Use of Software AG Products / Copyright and Trademark Notices of Software AG Products". These documents are part of the product documentation, located at http://softwareag.com/licenses and/or in the root installation directory of the licensed product(s).

Use, reproduction, transfer, publication or disclosure is prohibited except as specifically provided for in your License Agreement with Software AG.

Document ID: REV-AREVRELNOTES-521-20220309

Table of Contents

1 Adabas Review 5.2 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 Enhancements 9
Reduced Record Size By New Handling of Command Log Extensions of Records 10
Redesign of the Review Buffer Pool, 64-bit Addressable Storage 11
Display of Current REVIEW-DB and Local/Hub Indication on the Main Maps 11
Date-range TODAY for Scheduling Options and New Sample Report 11
New Sample Reports for zIIP, Remote Calls and Buffer High Water Marks 11
Maximum Scheduling Time Ahead Displayed 12
Allocation of Display Program Name 12
REGEN ALL as Natural Batch Command 12
Enhanced History Interval Output (LH – EX Function) 12
Terminal Model 5 (27x132) Support for Output of Display Programs in EDITOR Mode (VX Command) 12
Detailed Reports with LOG=Y may be Defined Without Fields 13
Enhanced Adabas Review Commands for Batch Natural 13
Optimize Output of Numeric Fields for SYSREVDB online reports in BASIC mode 13
Improve performance of DELHIST 13
Enhanced support for Cluster environments 14
Support for NaturalONE – Tools and Utilities function 14
Validate a Running Report against the saved Report Definition 14
Check of the REVIEW-DB repository status 14
zIIP Support 14
New CONFIGDB Command 15
Documentation Changes 15
5 Migration from Previous Versions 17
Migration Steps 18
6 Plans for Future Versions 21
7 Software AG Product Support and Requirements 23
Adabas and Adabas Review Version Compatibility 24
Adabas Review Online (SYSREVDB) and Adabas Review Processor Compatibility 24
Adabas Review Zap Requirements 24
Natural Version Requirements 25
Entire Review Data Communication Component (RDC/SYSREV) Requirements 25

Adabas Cluster and Parallel Services Requirements 25
TP Monitor Support 25
8 Applying Maintenance 27
Applying Zaps in z/OS Environments 28
9 End of Maintenance 31
10 Documentation and Other Online Information 33
Software AG Documentation Website 34
Software AG TECHcommunity 34
Software AG Empower Product Support Website 34
Index 35

1 Adabas Review 5.2 Release Notes

Adabas Review version 5.2, which is used with Adabas version 8.4 SP2 and later releases, adds a number of new features to enhance the product's usability.

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.
Enhancements	Describes the new and changed 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.
Software AG 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 AG 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 AG product compatibility with IBM platforms and any IBM requirements for Software AG products, please review the *Product Compatibility for IBM Platforms* web page.

Version Notation Convention

A product version is identified by the first two digits of the version number. Software AG distinguishes between major and minor versions according to the amount of functionality or technology added to the product. All other digits indicate correction levels.

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

Placeholder	Meaning	Definition
v	version	**Major Version** The first digit of the product version number indicates major architecture and functionality implementation or enhancement that adds value to the product.
r	release	**Minor Version** The second digit of the version number indicates functionality addition or enhancement that adds value to the product.
s	system maintenance level	**Correction Level** Correction levels contain error corrections only, without new functionality, including documentation of all modifications and repairs. In case it is necessary to include functional changes into a correction level, an exception handling process ensures that corresponding quality assurance activities are triggered. These functional changes are documented. The main target is to avoid impacts when you install such a correction level. The third number of an Adabas version denotes the system maintenance level. On certain platforms supported by Adabas, additional levels may exist, such as update package, patch level, service pack and hot fix.

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**.

In addition, you can also access the cloud product documentation via **https://www.softwareag.cloud**. Navigate to the desired product and then, depending on your solution, go to "Developer Center", "User Center" or "Documentation".

Product Training

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

Tech Community

You can collaborate with Software AG experts on our Tech Community website at **https://tech-community.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 AG 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 AG resources.

Product Support

Support for Software AG 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. Log into Empower. Once you have logged in, you can 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 Enhancements

- Reduced Record Size By New Handling of Command Log Extensions of Records 10
- Redesign of the Review Buffer Pool, 64-bit Addressable Storage 11
- Display of Current REVIEW-DB and Local/Hub Indication on the Main Maps 11
- Date-range TODAY for Scheduling Options and New Sample Report 11
- New Sample Reports for zIIP, Remote Calls and Buffer High Water Marks 11
- Maximum Scheduling Time Ahead Displayed 12
- Allocation of Display Program Name 12
- REGEN ALL as Natural Batch Command 12
- Enhanced History Interval Output (LH – EX Function) 12
- Terminal Model 5 (27x132) Support for Output of Display Programs in EDITOR Mode (VX Command) 12
- Detailed Reports with LOG=Y may be Defined Without Fields 13
- Enhanced Adabas Review Commands for Batch Natural 13
- Optimize Output of Numeric Fields for SYSREVDB online reports in BASIC mode 13
- Improve performance of DELHIST 13
- Enhanced support for Cluster environments 14
- Support for NaturalONE – Tools and Utilities function 14
- Validate a Running Report against the saved Report Definition 14
- Check of the REVIEW-DB repository status 14
- zIIP Support 14
- New CONFIGDB Command 15
- Documentation Changes 15

This chapter describes the Adabas Review 5.2 enhancements.

Category	Enhancements
Adabas Review 5.2 SP1 Enhancements	*Reduced Record Size By New Handling of Command Log Extensions of Records*
	Redesign of the Review Buffer Pool, 64-bit Addressable Storage
	Display of Current REVIEW-DB and Local/Hub Indication on the Main Maps
	Date-range TODAY for Scheduling Options and New Sample Report
	New Sample Reports for zIIP, Remote Calls and Buffer High Water Marks
	Maximum Scheduling Time Ahead Displayed
Adabas Review 5.1 SP1 CF7 Enhancements	*Allocation of Display Program Name*
	REGEN ALL as Natural Batch Command
	Enhanced History Interval Output (LH – EX Function)
Adabas Review 5.1 SP1 CF6 Enhancements	*Terminal Model 5 (27x132) Support for Output of Display Programs in EDITOR Mode (VX Command)*
	Detailed Reports with LOG=Y may be Defined Without Fields
	Enhanced Adabas Review Commands for Batch Natural
	Optimize Output of Numeric Fields for SYSREVDB online reports in BASIC mode
	Improve performance of DELHIST
Adabas Review 5.1 SP1 CF5 Enhancements	*Enhanced support for Cluster environments*
Adabas Review 5.1 SP1 CF3 Enhancements	*Support for NaturalONE – Tools and Utilities function*
	Validate a Running Report against the saved Report Definition
Adabas Review 5.1 SP1 CF1 Enhancements	*Check of the REVIEW-DB repository status*
Adabas Review 5.1 SP1 Enhancements	*zIIP Support*
	New CONFIGDB Command
	Documentation Changes

Reduced Record Size By New Handling of Command Log Extensions of Records

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 new *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.

Redesign of the Review Buffer Pool, 64-bit Addressable Storage

The Review buffer pool is now a circular buffer pool and able to address 64-bit storage. When running reports as batch jobs, for the *INPUT statement* the new option REVIEWB-V64B can be used to enable 64-bit addressable storage. Buffer may be allocated with the new BUFFMB parameter. Make sure there is enough space in the REGION for this buffer.

Display of Current REVIEW-DB and Local/Hub Indication on the Main Maps

The current REVIEW-DB repository (Natural LFILE 241) is now displayed on the top left of the main SYSREVDB maps. If applicable, the REVIEW-DB may be changed using the SET command.

In turn, on cluster environments, the display of the NucID has been moved from top left to top right, below the Target DBID.

The Target is now prefixed with Local/Hub, depending on the Review setup.

Date-range TODAY for Scheduling Options and New Sample Report

New sample report Schedule File Usage supplied, which uses TODAY (+/- nnn) as input for the Date From and Date To input field.

New Sample Reports for zIIP, Remote Calls and Buffer High Water Marks

There are three new sample reports, called "Maximum Pct Space Used", "Remote Physical Calltype" and "ZIIP Usage per Command", please refer to *Supplied Report Reference* for further details.

Maximum Scheduling Time Ahead Displayed

If the specified values for the Date/Time From option in the *Scheduling Options* are more than 193 days and 22 hours in the future, a message will display the exact current maximum date/time.

Allocation of Display Program Name

When a report will be copied with the same name, the name of the attached display program shall be kept too. If this is not possible and the report already exists on the target environment, the name of the display program on the target will be taken. If this is not possible either, the next free new name is taken, starting from RD/RX-00001.

REGEN ALL as Natural Batch Command

The REGEN ALL command is now available in Natural batch. An error report will be output by the Natural CATALL command after the REGEN ALL command was performed.

Enhanced History Interval Output (LH – EX Function)

The History Intervals screen of SYSREVDB (LH – EX) has been reworked. More than one interval within one second are now shown separate. It is possible to scroll forward or backward by entering the number of lines.

Terminal Model 5 (27x132) Support for Output of Display Programs in EDITOR Mode (VX Command)

Generated display programs to output monitoring data in the EDITOR mode (VX command) check the line and page size. A new terminal model 5 (27x132) will be detected, in addition to model 2 (24x80), model 3 (32x80) and model 4 (43x80).

Detailed Reports with LOG=Y may be Defined Without Fields

A detailed report with `LOG=Y` may be defined without fields. No fields are needed since Command logging of a detailed report with `LOG=Y` will go directly to the LOG file and cannot be viewed online. For a report without fields, no display report will be generated.

Enhanced Adabas Review Commands for Batch Natural

Several batch Natural commands may now be called within the same batch Natural job. Target ID (hub or local DBID) and the REVIEW-DB repository setting will be kept after a command has ended. In case of an error, the Natural batch session will not be terminated. An improved error message will be output and the next command may be processed.

The COPYREP program syntax and the output of the DBTECH program have been enhanced.

Optimize Output of Numeric Fields for SYSREVDB online reports in BASIC mode

In online report output from SYSREVDB (VW command) the length of one numeric field is reduced by 1 byte. This is the byte not required for a sign (+/-). Thus, more data may be displayed on a screen. A REGEN of a display program is required for this change to take effect.

Improve performance of DELHIST

For deleting history records, the access to the REVIEW-DB has been accelerated (Natural `READ` instead of a `FIND`). And DELHIST now takes care, that several limits (time, DB calls) will not be exceeded when deleting high amount of data.

Enhanced support for Cluster environments

When a cluster environment runs on different LPARs, the NUCID that runs on the current LPAR will be selected by default. It is no longer the lowest NUCID number that is selected as it was in previous versions.

Support for NaturalONE – Tools and Utilities function

SYSREVDB may be started from the NaturalONE **Tools and Utilites** context menu. This is an interface to run SYSREVDB with Natural Web I/O (NWO) in an Eclipse environment.

Validate a Running Report against the saved Report Definition

Before a VIEW command will be executed, SYSREVDB compares the total field lengths of a running report with the total field length of a saved report definition. Because a report definition may have been changed since a report has been started, the generated display program may not match the cumulated data and return a Natural error.

Check of the REVIEW-DB repository status

The TECH screen (Review Repository section) of SYSREVDB displays a hint, if an EXPAND job is missing. EXPAND jobs must be run to add or change fields of the REVIEW-DB repository when migrating from a lower version, which has a different repository definition. See also *Migration from Previous Versions* for details.

zIIP Support

Adabas Review may be started with ADARUN `ZIIP=YES`. The AZPAD license is necessary.

zIIP Support in SYSREVDB

When Adabas Review will be started with `ZIIP=YES`, zIIP may be used in SYSREVDB.

1. With the command `ZIIP [REVB|MAIN|HIST|AUTO]`, zIIP statistics may be displayed.
2. With the command `ZIIP[=]{YES|NO}`, zIIP processing in Adabas Review may be activated or deactivated.
3. In a Target definition (ET function) it may be specified if an Adabas Review target will be started with ZIIP=YES.

Further details concerning zIIP support are documented in *Adabas Review for zIIP*.

New CONFIGDB Command

The new command `CONFIGDB` allows displaying the CONFIGDB Review parameters without leaving the SYSREVDB utility. The parameters are specified in the Natural text member CONFIGDB in library SYSREVDB.

Documentation Changes

In addition to the changes made to reflect enhancements and fixes, the new section *Adabas Review for zIIP* has been added to inform about concepts and implementation of zIIP support in SYSREVDB.

5 Migration from Previous Versions

- Migration Steps 18

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 5.2 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*.

Notes:

1. Your user exits and RVCALL* program modifications will be kept and re-cataloged.
2. When using SYSREVDB of Adabas Review Version 4.9 SP1, Adabas Review Version 5.1 SP1 or Adabas Review 5.2 SP1 with an older Review Processor up to Version 4.8 SP2, scheduling functions are not supported (e.g. when using the LC or LR functions) and the Review message `REV00093 - Syntax error(s) in report definition or field not supported` comes up, when a report will be started with fields introduced in Adabas Review 4.9 SP1, Adabas Review 5.1 SP1 or Adabas Review 5.2 SP1 but unknown to a Version 4.8 SP2 Review Processor.

Adabas Review Repository

1 If you are migrating from Adabas Review 4.5 SP2, run the EXPAND5 job found in the Adabas Review source library to upgrade your version 4.5 SP2 repository to a version 4.6 SP1 repository.

2 If you are migrating from Adabas Review 4.6 SP1, run the EXPAND6 job found in the Adabas Review source library to upgrade your version 4.6 SP1 repository to a version 4.6 SP2 repository.

3 If you are migrating from Adabas Review 4.6 SP2, run the EXPAND7 job found in the Adabas Review source library to upgrade your version 4.6 SP2 repository to a version 4.7 SP1 repository.

4 If you are migrating from Adabas Review 4.7 SP1, run the EXPAND8 job found in the Adabas Review source library to upgrade your version 4.7 SP1 repository to a version 4.7 SP2 repository.

5 If you are migrating from Adabas Review 4.7 SP2, run the EXPAND9 job found in the Adabas Review source library to upgrade your version 4.7 SP2 repository to a version 4.7 SP3 repository.

6 If you are migrating from Adabas Review 4.7 SP3, run the EXPAND10 job found in the Adabas Review source library to upgrade your version 4.7 SP3 repository to a version 4.8 SP1 repository.

7 If you are migrating from Adabas Review 4.8 SP1, run the EXPAND11 job found in the Adabas Review source library to upgrade your version 4.8 SP1 repository to a version 4.8 SP2 repository.

Notes:

1. Make sure to use the updated version of the EXPAND11 job delivered as fix REV482S001. It uses the fieldname PP for the PE-group.
2. The zaps RD472100, RD473061 and RD481011 add the same fields as in the EXPAND11 job. When you have already applied one of these zaps to your environment, you do not need to run the EXPAND11 job.

8 If you are migrating from Adabas Review 4.8 SP2, run the EXPAND12 job found in the Adabas Review source library to upgrade your version 4.8 SP2 repository to a version 4.9 SP1 repository.

9 If you are migrating from Adabas Review 4.9 SP1 no EXPAND job is needed because the repository did not change from 4.9 SP1 to 5.1 SP1.

10 If you are migrating from Adabas Review 5.1 SP1 no EXPAND job is needed because the repository did not change from 5.1 SP1 to 5.2 SP1.

If you wanted to migrate from Adabas Review 4.5 SP2 to Adabas Review 5.2 SP1, you would need to run the jobs EXPAND5, EXPAND6, EXPAND7, EXPAND8, EXPAND9, EXPAND10, EXPAND11 and EXPAND12 consecutively.

Once the EXPAND12 job has completed, be sure you have performed any maintenance for Adabas Review 5.2 SP1.

Adabas Review Load libary

- The parameter list for the Command, Summary or RAW logging exit (REVUXLOG) will now be allocated above the line (AMODE=31). Make sure your existing REVUXLOG exit does support this. An example can be found in the source library.

Adabas Review Buffer Space

- The parameters BUFFERS-4K and BUFFERS-32K are obsolete and both replaced by BUFFMB. If BUFFMB is not specified, the default of 10 MB will be taken. Make sure there is enough space in the REGION for this buffer. Otherwise a GETMAIN error may occur.

6 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.
- The Adabas 8 LGBLSET macro parameter REVREL= is now redundant and will be dropped in a future version. Please remove any use of this parameter in order to avoid future assembly errors.
- The recommended generation mode for Reports is DISPLAY=EDITOR. Some enhancements are/will be only supported by this mode.

7 Software AG Product Support and Requirements

- Adabas and Adabas Review Version Compatibility 24
- Adabas Review Online (SYSREVDB) and Adabas Review Processor Compatibility 24
- Adabas Review Zap Requirements 24
- Natural Version Requirements 25
- Entire Review Data Communication Component (RDC/SYSREV) Requirements 25
- Adabas Cluster and Parallel Services Requirements 25
- TP Monitor Support 25

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.

Note: The new fields introduced with Adabas Review Version 4.9 SP1 will work with Adabas for Mainframes Version 8.4 SP2 or above.

Note: The **new handling of Command Log Extensions of records fields** introduced with Adabas Review Version 5.2 SP1 will work with Adabas for Mainframes Version 8.5 or above.

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
8.3 SP1	AN831057, AN831024, AN831065
8.3 SP2	AN832005, AN832003
8.3 SP3	AN833004
8.3 SP4	AN834082
8.3 SP5	AN835070
8.4 SP2	AN842035
8.5 SP1	AN851035, AN851037
8.5 SP2	AN852006, AN852008

Natural Version Requirements

This version of Adabas Review requires Natural Version 8.2 SP7 or above.

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.

The CH (compress history) function requires Natural zap NA97005. It is recommended to apply all available Natural zaps.

Entire Review Data Communication Component (RDC/SYSREV) Requirements

This version of Adabas Review requires RDC/SYSREV Version 6.1 SP1 or above and the INPL fix RC61106.

Natural Text member T-DBVERS has been removed from SYSREVDB, so that RC61106 is required to display the DB (DATABASE System = SYSREVDB) for selection on the main menu of SYSREV.

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

8 Applying Maintenance

- Applying Zaps in z/OS Environments 28

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 AG 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: Software AG recommends that you keep its software products as current as possible and apply all known corrections. Software AG strongly recommends 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.

9 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.

10 Documentation and Other Online Information

- Software AG Documentation Website 34
- Software AG TECHcommunity 34
- Software AG Empower Product Support Website 34

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***. 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.

Index

A

Adabas
  supported levels, 24
Adabas Cluster Services, supported levels, 25
Adabas Parallel Services, supported levels, 25
Adabas Review
  enhancements, 9
  future plans, 21
  online and processor, 24
  release notes,

C

client reporting
  required zaps, 25
compatibility, 24
conventions, version notation, 2

D

dates, end-of-maintenance, 31
documentation
  in TECHcommunity website, 34
  obtaining updates, 33
  on Documentation website, 34
Documentation website
  documentation, 34

E

Empower
  end-of-maintenance dates, 31
  platform support, 7
  product zap location, 28
Empower website
  product support, 34
end-of-maintenance dates, 31
enhancements, 9

F

future plans, 21

M

maintenance, 27
Microsoft Windows support, 7
migration issues, 17

N

Natural
  required zaps, 25
  supported levels, 25

O

operating system coverage, 7

P

platform support, 7
product support
  end-of-maintenance dates, 31
  obtaining in Empower, 34
  obtaining updated documentation, 33
  supported platforms, 7

R

release notes,
requirements
  operating system coverage, 7

S

Software AG product support and requirements, 23
support
  end-of-maintenance dates, 31
  obtaining updated documentation, 33
  platforms supported, 7
support dates, 31
support for prior versions, 31
supported operating systems, 7
supported platforms, 7

T

TECHcommunity website, 34
TP monitors, supported for z/OS, 25

U

UNIX
  supported platforms, 7

V

version notation convention, 2

Z

z/OS environments
    applying maintenance, 27
    applying zaps, 28
ZAPOPT member, 28
zaps
    applying in z/OS environments, 28