

Event Replicator for Adabas

Release Notes

Version 4.1.1

October 2022

This document applies to Event Replicator for Adabas Version 4.1.1 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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Document ID: ARF-RELNOTES-411-20220204

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1 Release Notes

Software AG's Event Replicator for Adabas allows specific Adabas files to be monitored for data modifications. Whenever any record modification (delete, store, or update) occurs in one of the monitored files, the Event Replicator for Adabas extracts each modified record and delivers it to one or more target applications through a messaging system (such as webMethods EntireX or IBM WebSphere MQ). The set of replicated files or records are defined in a *subscription*.

The Event Replicator for Adabas is an essential tool for organizations that need Adabas data modifications delivered to a target application while minimally impacting the normal processing of Adabas. The principle features of the Event Replicator for Adabas include:

- Near real-time replication
- Asynchronous replication
- Guaranteed consistency and sequence of the delivered replicated data
- Replication of committed updates only

With the Event Replicator for Adabas, whole Adabas files or a specific set of records can be replicated to the target location, as defined in a subscription. Data replication is asynchronous, which allows the Adabas database to operate normally while replication takes place. Only committed Adabas modifications are replicated for the predefined set of monitored files, at the transaction level.

For complete information about Event Replicator for Adabas concepts and how to get started, read the *Event Replicator for Adabas Concepts*. For information on system requirements and how to install Event Replicator for Adabas, read , in *Event Replicator for Adabas Installation Guide*.

This document provides information about release 4.1 of Event Replicator for Adabas:

<i>4.1 Enhancements</i>	Describes the new and changed features in this version of Event Replicator for Adabas.
<i>ZAP Information</i>	Describes any zap requirements for this version of Event Replicator for Adabas.
<i>Adabas and Event Replicator Server Compatibility</i>	Describes the compatibility of the Event Replicator Server with Adabas.
<i>zIIP Support</i>	Describes any zIIP-related requirements for this version of Event Replicator for 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 Event Replicator for 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 <code>folder.subfolder.service</code> , 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

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.software-ag.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.

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4.1 Enhancements

- New and Changed ADARUN Parameters 8
- Replication of Data with Spanned Data Storage Record Support 8

This chapter describes the Event Replicator for Adabas 4.1 enhancements.

Category	Enhancements
General Enhancements	<i>New and Changed ADARUN Parameters</i>
Spanned Record Support	<i>Replication of Data with Spanned Data Storage Record Support</i>

New and Changed ADARUN Parameters

Parameter	New or Changed?	Enhancement Description
V64BIT	Changed	The replication pool will be allocated in 64-bit virtual storage (storage above the two gigabyte bar) when the Event Replicator Server runs with the ADARUN V64BIT=YES parameter.

Replication of Data with Spanned Data Storage Record Support

This enhancement allows you to replicate data for an Adabas file defined with spanned Data Storage record support. With this enhancement:

- Replication can be turned on for a file with spanned Data Storage record support.
- Spanned Data Storage record support may be turned on for a replicated file.
- A file may be loaded with both spanned Data Storage record support and replication turned on.

Installation:

- If you have Adabas 8.5 SP1 installed, apply the following zaps: AN851110, AU851078 and AZ411002.
- If you have Adabas 8.5 SP2 installed, apply the following zaps: AN852081, AU852065, and AZ411002.
- If you have Adabas 8.5 SP3 installed, apply the following zaps: AN853057, AU853049, and AZ411002.
- If you have Adabas 8.5 SP4 installed, apply the following zaps: AN854010, AU854007, and AZ411002.

4 ZAP Information



Important: Be sure that you apply all supplied Event Replicator maintenance and concatenate Event Replicator patch-level libraries (L00*n*), as they are delivered to you. This will ensure that your Event Replicator code remains up-to-date, supporting all Event Replicator 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.

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Adabas and Event Replicator Server Compatibility

The following rules must be followed when using an Adabas source database with an Event Replicator Server:

1. The Adabas version used in the Event Replicator Server must be greater than or equal to the Adabas version used in the source Adabas nucleus, and
2. The Event Replicator for Adabas version used by the Event Replicator Server must be greater than or equal to the Event Replicator version used in the source Adabas nucleus.

The following table shows the allowed combinations of Adabas and Event Replicator for both the nucleus and the Event Replicator Server:

Source Adabas Nucleus	Event Replicator Server
Adabas 8.5 SP1 or later and Event Replicator 4.1 SP1	Adabas 8.5 SP1 or later and Event Replicator 4.1 SP1.
Adabas 8.5 SP1 or later and Event Replicator 3.8 SP1	Adabas 8.5 SP1 or later and Event Replicator 4.1 SP1. Adabas 8.5 SP1 or later and Event Replicator 3.8 SP1.
Adabas 8.4 SP1 or later and Event Replicator 3.8 SP1	Adabas 8.5 SP1 or later and Event Replicator 4.1 SP1. Adabas 8.5 SP1 or later and Event Replicator 3.8 SP1. Adabas 8.4 SP1 or later and Event Replicator 3.8 SP1.



Note: The term "or later" in the table above indicates a later SM within the same version and release of the product unless otherwise noted.

These combinations provide you with flexibility when upgrading your levels of Adabas and Event Replicator. If you are an existing user of Event Replicator, you might have multiple Adabas 8.5 nuclei running replication (REPLICATION=YES) and Event Replicator 3.8. You might also have multiple Event Replicator Servers running with Adabas 8.4 and Event Replicator 3.8. The compatibility combinations listed above mean you are not forced to upgrade all of your Adabas nuclei and Event Replicator Servers at the same time. You might first upgrade your Event Replicator Server software before you upgrade your Adabas nuclei later. In addition, you can upgrade one Adabas nucleus at a time.

6 zIIP Support

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zIIP support by the Event Replicator for Adabas, is a feature that enables the Event Replicator Server on z/OS to offload part of its workload from the mainframe's general processors (GP) to System z Integrated Information Processors (zIIP).

Offloading work from the general processors will free up some of their capacity. This helps decrease the total cost of operation (TCO) of the GPs and makes room for running additional workload on them.

Relationship with Adabas for zIIP

To be able to support zIIPs, the Event Replicator Server must run with an Adabas version that provides zIIP support. For this version of Event Replicator for Adabas, use Adabas version 8.5.

Adabas source databases that send replication data to the Event Replicator Server may - but need not - support zIIPs, too. This is independent of whether the Event Replicator Server supports zIIPs. For this version of Event Replicator for Adabas, use Adabas version 8.5.

Installation

Prerequisites and additional information to enable zIIP support in the Event Replicator for Adabas are described in a new separate section *Special Considerations for zIIP Support* under *Event Replicator Installation Steps for z/OS Systems* in the *Installation* documentation.

7 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.

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Documentation and Other Online Information

- [Software AG Documentation Website](#) 18
- [Software AG TECHcommunity](#) 18
- [Software AG Empower Product Support Website](#) 18

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.

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