

Event Replicator for Adabas

Release Notes

Version 3.7.1

March 2019

This document applies to Event Replicator for Adabas Version 3.7.1 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-371-20220203

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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 3.7 of Event Replicator for Adabas:

<i>3.7 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>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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3.7 Enhancements

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This chapter describes the Event Replicator for Adabas 3.7 enhancements.

Category	Enhancements
General Enhancements	<i>New and Changed Event Replicator Server Initialization Parameters</i>
	<i>New and Changed ADARUN Parameters</i>
	<i>New and Changed Operator Commands</i>
	Event Replicator for Adabas 3.7 SP1 Enhancements
	<i>zIIP Support</i>
	<i>New ADA Sub-Parameter for DESTINATION DCLASSPARM Replication Initialization Parameter</i>
	<i>New LOGOUTPUTTRANSACTION Replication Initialization Parameter</i>

New and Changed Event Replicator Server Initialization Parameters

The following table summarizes any new or changed Event Replicator Server initialization parameters or subparameters in Event Replicator for Adabas 3.7:

Parameter	New or Changed?	Description
DCLASSPARM ADA	New	New sub-parameter DCLASSPARM ADA available for SAGTARG.
LOGOUTPUTTRANSACTION	New	Specify whether and when output items are written to the SLOG system file.

Information on all Event Replicator Server initialization parameters is provided in *Event Replicator Initialization Parameters*, in the *Event Replicator for Adabas Reference Guide*

New and Changed ADARUN Parameters

Parameter	New or Changed?	Enhancement Description
ZIIP	New	Use ADARUN parameter ZIIP to specify whether the Event Replicator Server is to run with zIIP support.

New and Changed Operator Commands

Operator Command	New or Changed?	Enhancement Description
DRPLSTAT	Changed	When the DRPLSTAT command is issued on an Event Replicator Server running with ADARUN parameter ZIIP=YES, the Event Replicator Server session statistics include additional information about the performance on zIIPs.

zIIP Support

zIIP support by the Event Replicator for Adabas, is a new 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](#)
- [Installation](#)

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 either Adabas for zIIP version 8.4 SP3 or Adabas for zIIP version 8.3 SP5.

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. To run an Adabas source database with zIIP support, use either Adabas for zIIP 8.4 SP3 or Adabas for zIIP 8.3 SP5.

With Event Replicator for Adabas 3.7 SP1, use one of the following combinations of Adabas and the Event Replicator in the Adabas source databases and the Event Replicator Server:

Source Adabas Nucleus	Event Replicator Server
Adabas for zIIP 8.4 SP3, Adabas 8.4 SP2, Adabas for zIIP 8.3 SP5, or Adabas 8.3 SP4 and Event Replicator for Adabas 3.7 SP1 or 3.6 SP1	Adabas for zIIP 8.4 SP3 and Event Replicator for Adabas 3.7 SP1
Adabas for zIIP 8.3 SP5 or Adabas 8.3 SP4 and Event Replicator for Adabas 3.7 SP1 or 3.6 SP1	Adabas for zIIP 8.3 SP5 and Event Replicator for Adabas 3.7 SP1

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.

New ADA Sub-Parameter for DESTINATION DCLASSPARM Replication Initialization Parameter

For the Event Replicator Server initialization parameter DESTINATION the new sub-parameter DCLASSPARM ADA is available for SAGTARG. Specify the ADA keyword in the DCLASSPARM parameter if the target of the destination requires the Adabas 2-byte short name be included with the schema for all fields.

New LOGOUTPUTTRANSACTION Replication Initialization Parameter

Specify the new LOGOUTPUTTRANSACTION parameter if you wish to write output items to the SLOG system file.

This parameter can also be maintained online in Adabas Event Replicator Subsystem (SYSRPTR). For more information, read about the `Log Output Transaction` parameter in *Setting Global Values*, in the *Adabas Event Replicator Subsystem User's Guide**Adabas Analytics Subsystem User's Guide*

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.

5 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 8.4 SP1 or later and Event Replicator 3.7 SP1	Adabas 8.4 SP1 or later and Event Replicator 3.7 SP1 or later.
Adabas 8.3 SP1 or later and Event Replicator 3.7 SP1	Adabas 8.4 SP1 or later and Event Replicator 3.7 SP1 or later. Adabas 8.3 SP1 or later and Event Replicator 3.7 SP1 or later.
Adabas 8.4 SP1 or later and Event Replicator 3.6 SP1	Adabas 8.4 SP1 or later and Event Replicator 3.7 SP1 or later. Adabas 8.4 SP1 or later and Event Replicator 3.6 SP1 or later.
Adabas 8.3 SP1 or later and Event Replicator 3.6 SP1	Adabas 8.4 SP1 or later and Event Replicator 3.7 SP1 or later. Adabas 8.4 SP1 or later and Event Replicator 3.6 SP1 or later. Adabas 8.3 SP1 or later and Event Replicator 3.7 SP1 or later. Adabas 8.3 SP1 or later and Event Replicator 3.6 SP1 or later .



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

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 8.3 nuclei running replication (REPLICATION=YES) and Event Replicator 3.6 or 3.7. You might also have multiple Event Replicator Servers running with Adabas 8.4 and Event Replicator 3.6 or 3.7. 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 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

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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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