

```
*****
*****
*****
***** Readme.txt
***** Event Replicator Target Adapter
***** Version 3.7
*****
***** This file was last updated: 06 October 2021
*****
***** Software AG
***** Uhlandstrasse 12
***** D-64297 Darmstadt
***** Germany
*****
***** Telephone: +49-6151-92-0
***** Fax: +49-6151-92-1191
***** WWW: http://www.softwareag.com
*****
*****
*****
```

Contents:

- A. About Event Replicator Target Adapter
- B. Supported Platforms
- C. Software Requirements
- D. Installation
- E. List of supported Message Queue Services
- F. List of supported RDBMS version
- G. Using the Remote Administration Feature
- H. Internationalization
- I. Known Problems
 - Composite Keys and RDBMS Loader Support
 - Need to pre-load Adabas target files
- J. Updates to This Version

Please explore the Event Replicator Target Adapter documentation at the Software AG web site:

<http://documentation.softwareag.com/>

The documentation at this site will be updated as required.

A. About Event Replicator Target Adapter

Event Replicator Target Adapter is used to transform and apply replicated data from Adabas on the mainframe to a relational database, such as Oracle, DB2 Open System, DB2 z/OS, Microsoft SQL Server, Teradata for Open Systems, Postgre SQL and MySQL. Other types of targets supported for replication are other Adabas targets and Software AG products Apama, BigMemory Max and Terracotta, and replication to JMS queues.

Replication to Adabas LUW database targets is available using two different replication paths: from Adabas Reptor Destinations defined with the Destination Class SAGTARG (XML output, the same way relational targets receive their data), or using the Adabas (Binary) target with Event Replicator Destination Class SAGTRGB, which sends the replicated data in raw binary format without the need to convert to XML data and back. This provides a replication scenario much closer to mainframe Event Replicator "node to node" replication.

Event Replicator Target Adapter requires the use of:

- * An Event Replicator for Adabas subscription for which a global format buffer field table has been generated. If no field table has been generated, the Event Replicator Target Adapter will not work.
- * At least one Event Replicator for Adabas destination definition with a destination class type of "SAGTARG" (or "SAGTRGB" if using the Adabas (Binary) target definition). This destination must be used by the subscription.

When a subscription definition and its associated destination definitions have been defined in this manner and if they are activated, Event Replicator for Adabas automatically creates a schema that maps the replicated data. The Event Replicator Target Adapter receives the replicated data via the messaging system.

Event Replicator Target Adapter uses the schema to transform and apply the replicated data to your target.

Event Replicator Target Adapter will dynamically create relational tables if they don't exist and populate the tables with Adabas data using insert, update and delete processing as these processes occur in near real-time in the replicated Adabas file.

For Adabas to Adabas replication, the target file may be pre-loaded or the Target Adapter can create the destination file for you. Please see the product documentation for details on this feature.

Event Replicator Target Adapter also supports monitoring of replication events through Adabas Analytics Collector MF. Please see the documentation on that product and the latest documentation of Event Replicator for Adabas for more information on replication monitoring.

Please read the documentation for more detailed instructions on using Event Replicator Target Adapter.

B. Supported Platforms

Windows 10 Professional Edition (64 bit)
Windows Server 2016 (64 bit)
Windows Server 2019 (64 bit)
Red Hat Enterprise Linux 7 or greater (both x64 and zLinux)
SuSE Linux Enterprise Server 12 or greater (both x64 and zLinux)

C. Software Requirements

At least 2GB system memory is required to run this software.

The user must supply the third party jdbc .jar files required to establish connection to the target RDBMS system. Also, if IBM Webshpere MQ Series is used as the messaging system, the required IBM jar files need to be provided by the user from IBM's distribution medium.

See the product documentation for details and additional information.

D. Installation

Event Replicator Target Adapter is installed using SAGInstaller. This version does not upgrade an existing installation, and should not be applied over an existing installation of Event Replicator Target Adapter. Rather, install Event Replicator Target Adapter in a separate installation location or on a different machine.

If you must install this product over an existing installation of Event Replicator Target Adapter, please consult with support before doing so. At a minimum, you will need to:

- * Unregister or uninstall your existing Software AG ERTA Administration Service or UNIX daemon.

- * Backup the context.xml file found in one of these locations:

Windows:

<InstallRoot>\EventReplicatorTargetAdapter\art\data\webapps\sqlrep\META-INF

UNIX/Linux:

<InstallRoot>/EventReplicatorTargetAdapter/art/TargetAdapter/webapps/sqlrep/META-INF

- * Install the new version.

- * Restore the context.xml file to its location in the new installation.

For instructions on how to migrate your existing Event Replicator Target Adapter installation to a newly installed version, please refer to the product documentation.

After you install Event Replicator Target Adapter, please run the SoftwareAG Update Manager to check for any available fixes for the product to keep your installation up to date.

E. List of supported Message Queue Services

The latest supported version of Software AG's webMethods EntireX.

IBM MQSeries V7.1 or later and
IBM Websphere MQ Client Attachment Feature enabled for z/OS.

NOTE: You should make sure all maintenance is applied.

F. List of supported RDBMS version

Microsoft SQL Server 2008 or higher.

Oracle 10g or later.

DB2 9.1 for Open Systems or later.

DB2 Version 9 for z/OS or later.

MySQL 5.0.17 or later.

PostgreSQL v9.2 or later.

Teradata V12 for Open Systems or later.

NOTE: If a third-party vendor drops support for a version of one of their products or even for an entire product, Software AG automatically drops support for that version or product as well. When this happens, Software AG may not necessarily announce this drop in support in an earlier Event Replicator Target Adapter release.

G. Using the Remote Administration Feature

If you intend to use a remote instance of Event Replicator Target Adapter Administration to administer an installation of Event Replicator Target Adapter, and a firewall is active on the host where the Event Replicator Target Adapter is running, you must configure exceptions on the firewall for both the Software AG ERTA Administration Service (3004 by default) and Event Replicator Target Adapter's remote JMX port (4000 by default).

If you configure the administration console to manage a remote Event Replicator Target Adapter instance and the tool is not able to sense that the remote Target Adapter is running, check the network connectivity between the machines, firewall status and network configuration of the remote machine where the Adabas Administration Service and Target Adapter are running. If you confirm there is no firewall blocking the port, try connecting a jconsole tool (found in the <InstallRoot>/jvm/jvm/bin directory) as follows (NOTE: Event Replicator Target Adapter must be active for this test):

```
jconsole connection=<host>:<ART_JMXport(default4000)>
```

If jconsole is unable to establish the connection, the problem lies somewhere in your network infrastructure or network setup on the remote machine where the Target Adapter is running. Consult with your system and network administrators to try to isolate the problem.

H. Internationalization

For replication of data in languages other than English (UTF-8 processing), ensure your target RDBMS database is configured to support the desired language and character set. See the Adabas Event Replicator documentation for details on configuring your mainframe replicator for UTF-8 support.

I. Known Problems

Composite Keys and RDBMS Loader Support.

If you have created table(s) using composite keys and intend to use one of the supported loaders for initial-states (i.e. the Oracle sqlldr, MSSQL bcp, Teradata mload or DB2 loader utilities), the loader process will fail. Use of the loaders with composite keys is not supported at this time.

Please visit empower.softwareag.com and search for any available updates to Event Replicator Target Adapter to keep your installation up to date with the latest fixes.

Need to pre-load Adabas target files.

If you are replicating to an Adabas Target, the creation of the target file with a duplicate FDT of the source file is only supported using the Adabas (Binary) target and when loading the source (mainframe) Adabas file using the mainframe ADALOD utility.

In other scenarios, such as using the Adabas non-binary target or populating the file via an Initial State to the Adabas (Binary) target, the Target Adapter will create a file at the destination, but the field information of the target will not agree with the source. In these cases, in order to achieve an exact duplicate of the source file in the target with the same field table information including extended attributes, the file must be pre-loaded in the Adabas LUW target, before beginning replication, with an FDT matching the mainframe source file.

Please see the product documentation for more information on mass loading data into the target.

J. Updates to This Version

Please check for and apply any applicable fix to this version immediately after installation and before using the product.

Fixes to Event Replicator Target Adapter will be made available through Software AG's Software Update Manager. Please visit the Empower website for instructions on installing and using Software Update Manager.

The <http://documentation.softwareag.com/public/> web site may contain more current information as updates become available.

Thank you for using Software AG's Event Replicator Target Adapter.

Copyright © 2021 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>.

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).