

Adabas Encryption for z/OS

Installation

Version 8.6.1

September 2025

This document applies to Adabas Encryption for z/OS Version 8.6.1 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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Installation

This document describes the installation of Adabas Encryption on z/OS systems.

You install Adabas Encryption the same way you install Adabas. All ADARUN parameters are available and all selectable units of Adabas are supported. Adabas Encryption introduces the new ADARUN parameter ENCRYPTION.

To use Adabas Encryption with encrypted database container datasets in a production environment, substantial organizational and configuration work must have been performed in z/OS to set up z/OS Dataset Encryption.

This document describes the preparation and actions needed to install Adabas Encryption on z/OS systems.

System Requirements	Describes the system requirements of Adabas Encryption.
Installing Adabas Encryption	Describes the steps needed to install Adabas Encryption on z/OS.

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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>.

Product Training

You can find helpful product training material on our Learning Portal at <https://learn.software-ag.com>.

Tech Community

You can collaborate with Software GmbH 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 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.

2 System Requirements

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This section describes the system requirements of Adabas Encryption on z/OS.

Platform Prerequisites for Adabas Encryption

The minimum prerequisite for Adabas Encryption is a z13 mainframe running z/OS 2.3, with the following additional services:

Component	Required Level	Description
Hardware	z13 CPACF	Might offer lower performance than required
	z13 Crypto Express5S (CEX5S)	Recommended for secure-key cryptography
	z14 CPACF	Substantially better performance than z13 CPACF
	z14 Crypto Express6S (CEX6S)	Recommended for secure-key cryptography
	z15 CPACF	Better performance than z14 CPACF
	z15 Crypto Express7S (CEX7S)	Improved throughput capacity over z14 CEX6S
DFSMS	z/OS 2.3 + OA56622 PTFs	OA56622 supports encryption of basic & large format sequential datasets (several prerequisites)
	z/OS 2.4 + OA56622 PTFs	
ICSF	HCR77C0 or HCR77C1	Protected-key read
	HCR77A0-B1 + OA50450 PTFs	

Software AG Products and Compatible Operating System Platforms

Software AG generally supports operating system platform versions that are supported by their respective manufacturers. When an operating system platform provider stops supporting a version of an operating system, Software AG also stops 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 any Software AG 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, expand **Products & Documentation** in the left menu of the web page and select **Product Version Availability** screen.
3. Use the fields on the top of this screen to filter the 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.
- the Software AG end-of-sustained-support (EOSS) date for the product.



Note: Although it might 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.

Supported Hardware

For general information regarding Software AG product compatibility with other platforms and their requirements for Software AG products, visit Software AG's [Hardware Supported](#) web page.

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Before progressing with the installation of Adabas Encryption, make sure your system meets the requirements described in [System Requirements](#).

To install Adabas Encryption, complete the steps below:

Datasets Delivered

The following data sets are delivered with Adabas Encryption:

Data Set Name	Contains
ADAvrs.LOAD	Adabas Encryption load modules are packaged in the Adabas load library and executable with the distributed AEZ license.

Unload the Installation Libraries to Disk

Adabas is a prerequisite for Adabas Encryption so if the Adabas load libraries are not already available on disk then refer to the Installation section of the Adabas for Mainframes documentation.

Apply the Necessary Zaps

Apply any necessary zaps from any subsequent ADAvrs.MVSZnnn datasets (if they have been provided).

Check, Prepare, and Install the Product License File

Verify you have prepared and installed the AEZ product license file, as described in the Installation and License section of the corresponding version of the Adabas for Mainframes release notes.

To reference the license file in Adabas nuclei and utility jobs, complete the following steps:

- Make sure any previously created AEZLIC load module is inaccessible to your nuclei and utility jobs. The nucleus or utility first tries to load AEZLIC and, if unsuccessful, it reads from a dataset defined to the DD statement DDLAEZ.
- Update your Adabas nuclei and utility jobs to reference the license.



Note: Forty days before the license expires (thirty if your MLC is version 1.3.8 or lower), license check failure messages are produced. Your software product will still function, but these messages warn you that it is time to obtain a new license.

