

Adabas for Linux, UNIX and Windows

Adabas Version 6.6 Release Notes

Version 6.6

October 2017

This document applies to Adabas for Linux, UNIX and Windows Version 6.6 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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1 Adabas Version 6.6 Release Notes

This document gives an overview of the features of Adabas Version 6.6 that have been introduced or modified since the previous release (Version 6.5). It also describes how to convert Version 6.1, Version 6.2, Version 6.3, Version 6.4 and Version 6.5 databases to Version 6.6, and how to convert a Version 6.6 database back to Version 6.5, Version 6.4 or Version 6.3.

The document contains the following sections:

- **General Information**
- **New, Modified and Dropped Features**
- **Limitations and Restrictions**
- **Converting a Database from a previous Version to and from Version 6.6**
- **End of Maintenance**
- **Documentation and Other Online Information**

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 <i>folder.subfolder.service</i> , 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

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to empower@softwareag.com with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

You can find product information on the Software AG Empower Product Support website at <https://empower.softwareag.com>.

To submit feature/enhancement requests, get information about product availability, and download products, go to [Products](#).

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the [Knowledge Center](#).

If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at https://empower.softwareag.com/public_directory.asp and give us a call.

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.
- Access articles, code samples, 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.

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 General Information

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This chapter provides information which you should be aware of before you install and use Adabas Version 6.6.

Supported Operating Systems

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.

Installation

System Requirements

The system requirements for the current version of Adabas are contained in the installation documentation *System Requirements* (for UNIX platforms) and *System Requirements* (for Windows platforms).

Compatibility with Previous Versions

If you are upgrading from an earlier version of Adabas to Version 6.6, you should first read the release notes of any intermediate or skipped versions in order to find out about any compatibility issues that might exist.

Support for Adabas Version 6.5

Adabas Version 6.6 is the official replacement for Adabas Version 6.5. Details of when support for earlier versions will cease can be found in Empower.

4 New, Modified and Dropped Features

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This chapter describes the new and modified features in Adabas Version 6.6.

New Features

Event Analytics Administration

The ADAELA utility provides functionality to configure and administer Event Analytics. This utility replaces the configuration tool for the Adabas Analytics add-on EALCONFIG.

The ADAELA utility also provides support for creating user-defined event types.

For details, please refer to the section *ADAELA* in the *Utilities* section.

Authorization for Adabas Utilities (Mode ADABAS)

The Authorization for Adabas Utilities functionality has been extended to store the security definitions in a database system file, the RBAC system file, which is new with this version.

This functionality is enabled via the *Mode ADABAS* setting in the configuration of security for utilities. For details, please refer to *Configuration of Authorization for Adabas Utilities* in the *Extended Operations* section.

The new utility ADARBA provides the functionality required to administer the security definitions in the RBAC system file. For details, please refer to the section *ADARBA* in the *Utilities* section.

Before securing databases with Authorization for Adabas Utilities, please familiarize yourself with the concepts and implementation of this new feature.

ADADB - New Functionality

The DELETE_DATABASE function deletes the database containers of a given database, or deletes the directory that contains a given database, including all of its subdirectories.

The function RBAC_FILE creates the RBAC system file, which is required for Authorization for Adabas Utilities (Mode ADABAS).

ADANUC - WCHARSET Parameter

The WCHARSET parameter defines the default encoding of wide character fields. This parameter can be also modified by using ADAOPR

ADAREP COUNT Function

The COUNT function displays the number of records stored in each file.

Modified Features

ADAOPR - WCHARSET Parameter

The ADAOPR function WCHARSET modifies the default encoding set by the nucleus to the new value specified.

ADAREP - CONTENTS Function

The ADAREP function CONTENTS now provides you with information about which files have been updated since the last backup.

ADASTART - Nucleus Log File Renamed

Before starting the nucleus, ADASTART renames the log file *adanuc.log* from the previous nucleus session to *adanuc.log.<timestamp>*, where *<timestamp>* is a time stamp with a resolution of seconds.

Dropped Features

EALCONFIG

The EALCONFIG tool for configuring the Adabas Analytics add-on has been replaced by the new utility ADAELA.

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Limitations and Restrictions

The following limitations and restrictions exist in Adabas Version 6.6. Enhancements to resolve these limitations will be considered in a future update package.

- Currently, only the printout of the old CLOG layout (CLOGLAYOUT=5) is supported. All commands are logged, but the information on commands using the new ACBX interface is incomplete.

6 **Converting a Database from a previous Version to and from Version 6.6**

- [Converting a Version 6.1, Version 6.2, Version 6.3, Version 6.4 or Version 6.5 Database to Version 6.6 18](#)
- [Converting a Database from a Version prior to Version 6.1 to Version 6.6 18](#)
- [Downgrading a Version 6.6 Database to a Previous Version 19](#)

If you want to upgrade a database from Version 6.1, 6.2, 6.3, 6.4 or 6.5 to Version 6.6, there are two options available to you:

1. Convert the data using either the utility ADABCK or ADAORD. This option requires that you
 - a. Create a new Version 6.6 database;
 - b. Unload the old database using ADABCK DUMP or ADAORD EXPORT (old version);
 - c. Load the new database using ADABCK RESTORE or ADAORD IMPORT (version 6.6).
2. Convert the data using the utility ADACVT. This utility converts an existing database in place.

If you want to upgrade a database from Version 3 or Version 5, you must first upgrade the database to Version 6.1, 6.2, 6.3, 6.4 or 6.5, as described in the Release Notes of the version-specific documentation, and then proceed as described below.

 **Important:** It is highly recommended that you perform the following actions: prior to converting a database, use ADABCK to dump the database, then after a database has been converted, use the ADAVFY'S FIELD and INDEX functions to verify the consistency of the database.

Converting a Version 6.1, Version 6.2, Version 6.3, Version 6.4 or Version 6.5 Database to Version 6.6

The utilities ADACVT, ADABCK and ADAORD make the following modifications:

- The structure level in the General Control Block (GCB) is increased;
- The structure of the FDT is changed, when a Version 6.1 database is converted;
- Databases are included in the ADABAS.INI file, when a DBxxx.INI file exists;
- The AUTOSTART options in ADABAS.INI file are adapted.

Converting a Database from a Version prior to Version 6.1 to Version 6.6

If you want to convert a database from Version 3 or Version 5, you must first upgrade the database to Version 6.1, 6.2, 6.3, 6.4 or 6.5, as described in the Release Notes of the version-specific documentation, and then proceed as described above.

Downgrading a Version 6.6 Database to a Previous Version

Use the utility *ADACVT* to convert a database to a previous version. *ADACVT* converts the database in place to the selected target version (Version 6.3 through Version 6.5). A downgrade is not possible if features introduced with Version 6.6 were used.

Alternative Method to convert from Version 6.6 to Version 6.5, 6.4 or 6.3

It is also possible to convert a Version 6.6 database back to Version 6.5, Version 6.4 or Version 6.3 using the utility *ADABCK*. This is done by restoring a backup made with *ADABCK* Version 6.6 with the utility *ADABCK* of the respective target version. Unless the database is restored from scratch, *ADABCK*'s version and the version of target database must coincide. However, this method is not applicable if features introduced with Version 6.6 were used.

Collation Descriptors Created with ICU Version 5.4

Collation descriptors created with ICU Version 5.4 are not processed correctly with Adabas versions 6.3 to 6.4. Therefore, after the conversion to the target version with *ADACVT*/*ADABCK*, it is necessary to perform an *ADAINV REINVERT* of the collation descriptors with the *ADAINV* of the target version.

Without the *REINVERT*, you get unexpected errors or incorrect results when you try to access the collation descriptors.

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 24
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- 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.
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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.