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## Adabas for Linux and Cloud

## Adabas Services on Windows

Version 7.4.0

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**ADABAS & NATURAL**

This document applies to Adabas for Linux and Cloud Version 7.4.0 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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# Adabas Services on Windows

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This document contains information about Adabas Services on Windows.

The following topic is covered:

- *Adabas Services on Windows*



# 1 About this Documentation

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## Document Conventions

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Convention	Description
<b>Bold</b>	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

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### 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

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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 Adabas Services on Windows

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There are two services for Adabas on Windows:

- The Adabas Database Service is required to automatically start and stop databases at system start and shutdown.
- The Adabas Shared Memory Service is required to create shared memory, since this requires additional privileges.



#### Notes:

1. You must have administrator rights on the machine in question in order to install, start and stop the Adabas services.
2. If you want to administrate the Adabas services from the command line, start the Adabas Command Prompt with the option *Run as Administrator*. To do this, navigate via the **Start** menu : **All Programs -> Software AG -> Administration -> Adabas Server 6.x -> Start Command Prompt**, then right click on **Start Command Prompt** and select the option *Run as Administrator*.

## Adabas Database Service

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If you start an Adabas nucleus session under Windows, the session will be terminated normally when you log off, however, in many cases, this behaviour is not desired.

In order to prevent this happening, you must start the database with the Adabas Database Service. The Adabas Database Service is also able to start databases automatically when Windows is booted. You can administrate the Adabas Database Service via a command line interface.

### Administration of the Adabas Database Service from the Command Line

#### ➤ To install the Adabas Database Service

- Enter **ADASRV INSTALL** at the Command Prompt.

#### ➤ To start the Adabas Database Service

- Enter **ADASRV START** at the Command Prompt.

Or:

Choose Services (depending on the operating system, these may be contained in either the Control Panel in the Main program group, or in Administrative Tools in the Control Panel) and then choose the Adabas Database Service from the Services list. Choose **Start** to start the service.

### ➤ To stop the Adabas Database Service

- Enter ADASRV STOP at the Command Prompt.

Or:

Choose Services (depending on the operating system, these may be contained in either the Control Panel in the Main program group, or in Administrative Tools in the Control Panel) and then choose the Adabas Database Service from the Services list. Choose **Stop** to stop the service.

- **Note:** Stopping the Adabas Database Service also automatically stops any Adabas databases that were started by the service.

### ➤ To remove (uninstall) the Adabas Database Service

- Enter ADASRV REMOVE at the Command Prompt.

### ➤ To set the startup mode of the Adabas Database Service

- 1 Choose Services (depending on the operating system, these may be contained in either the Control Panel in the Main program group, or in Administrative Tools in the Control Panel) and then choose the Adabas Database Service from the Services list.
- 2 Select the required startup type (automatic, manual or disabled) from the **Startup type** drop-down list box.
- 3 Choose OK to set the startup mode.

### ➤ To set and show the startup mode of a database

- If you want a database to be started automatically when the Adabas Database Service starts, enter ADASRV Set <dbid> AUTOSTART=Vnnnn where *nnnn* is the Adabas version:
  - 1st digit = major version
  - 2nd digit = minor version
  - 3rd digit = service pack
  - 4th - 5th digit = fix number

#### Example:

AUTOSTART=V70000 means:

- Major version = 7
- Minor version = 0

- Service pack = 0
- Fix = fix 00

If you want to display the value of AUTOSTART for a single/each database, enter ADASRV SHOW [<dbid>] at the Command Prompt.



**Notes:**

1. The value of the AUTOSTART parameter is stored in the configuration file %ADADATADIR%\etc\ADABAS.INI under the subtopic [DBID\_<dbid>] in the section [DB\_LIST].
2. The AUTOSTART parameter is not case sensitive, both *AUTOSTART* and *autostart* are acceptable.

➤ **To display the status of a database**

- If you want to display which databases are currently started by the Adabas Database Service, enter ADASRV STATUS at the Command Prompt.

ADASRV STATUS also displays the status of Adabas Database Service logging, as well as the log file path.

➤ **To start and stop single databases**

- If the Adabas Database Service is already running, you can start a single database by entering ADASRV START <dbid> at the Command Prompt.

If you want to stop a single database that has been started by the Adabas Database Service, enter ADASRV STOP <dbid> at the Command Prompt.



**Note:** You can use the Adabas Database Service to start and stop only those databases for which the value of AUTOSTART has previously been set.

➤ **To enable and disable logging**

The logging feature for Adabas Database Service is used to diagnose any problems with any databases managed by Adabas Database Service. The log file is saved in the path specified in either the SAGTMP or the TMP environment variable. If Adabas Database Service is restarted, this log file is not overwritten, but the new logs are appended to the old log file.

- 1 If you want to enable logging, enter ADASRV LOGGING at the Command Prompt.
- 2 If you want to disable logging, enter ADASRV NOLOGGING at the Command Prompt.



**Note:** ADASRV keeps the logging flag internally in the Windows Registry. Enabling the logging causes ADASRV to start logging when restarting ADASRV or the server. Use logging for diagnosing purposes only, as leaving it on for a very long time can create a very big file unintentionally.

## Adabas Shared Memory Service

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A standard user should be able to start the Adabas nucleus or utilities, but a standard user is not allowed to create shared memories. For this reason, the Adabas Shared Memory Service has been introduced. The Adabas installation installs this service as an automatic service, and therefore the service should always have the status Started.

However, it is possible to stop, start, remove and install the service from the command line, for example when a fix for the service is provided:

- To install the service, enter `adashm install [auto]` at the Command Prompt. If you specify `auto`, the startup type is automatic, otherwise it is manual.
- To start the service, enter `adashm start` at the Command Prompt.
- To stop the service, enter `adashm stop` at the Command Prompt.
- To remove the service, enter `adashm remove` at the Command Prompt.

