

Adabas for Linux, UNIX and Windows

Adabas Tracing

Version 7.0

October 2022

This document applies to Adabas for Linux, UNIX and Windows Version 7.0 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 Tracing

This document contains information about Adabas tracing.

The following topic is covered:

- *Enabling Adabas Tracing*

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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

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.

2 Enabling Adabas Tracing

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Tracing should only be used if errors occur, and only with assistance from Software AG Support.



Caution: Activating the trace version will massively degrade the performance of Adabas.

Enabling Tracing on UNIX

➤ To enable tracing on UNIX

- 1 Change to the directory *Adabas/trace/INSTALL*.
- 2 Source the *adaenv* file to change the *ADAPROGDIR* variable.
- 3 Set the environment variable *PT_TRACELEV* to a reasonable value (with the help of Software AG support).
- 4 Set the environment variable *SAGTMP* to a directory of your choice as the location of the trace files. Note that the trace files can get very large in a short time.
- 5 Set the environment variable *PT_MAXFILESIZE* (this step is optional).

This defines the maximum size (in bytes) for a PT trace file. If the PT output exceeds this limit, output will be written to the wrap file named *<user>.WRP.<trace-name>*; if the wrap file becomes too big, output will be written to the original trace file *<user>.<trace-name>*, and so on. This feature is useful if you have too much PT output in your program.

Note that the minimum value for *PT_MAXFILESIZE* is 1024; all values less than this (other than zero) will be automatically adjusted to 1024. A reasonable initial value is 10000000, which will create a maximum file size of 10MB.

Enabling Tracing on Windows

➤ To enable tracing on Windows

- 1 Ensure that the correct Adabas version was activated.
- 2 Open an Adabas command prompt window.
- 3 Change to the directory *Adabas\trace\INSTALL*.
- 4 Call the *adaenv.bat* command file. This will set the trace environment.
- 5 As an alternative, the trace environment can be started by running the *starttraceenv.cmd* script. This script can be found in the folder *Adabas\trace\INSTALL*.

- 6 If you want to trace the `adanuc` process which is under Adabas System Service control (`adasrv`), you must de-install the services of the optimized (release) version by executing the following commands. Make sure you run these commands with Windows Administrator permissions:

- `adasrv stop`
- `adasrv remove`
- `adashm stop`
- `adashm remove`

Install the trace versions of the Adabas System Services:

- `adashm install`
- `adashm start`
- `adasrv install`
- `adasrv start`

- 7 Set the environment variable `PT_TRACELEV` to a reasonable value (with the help of Software AG support).
- 8 Set the environment variable `SAGTMP` to a directory of your choice as the location of the trace files. Note the trace files can get very large in a short time.
- 9 Set the environment variable `PT_MAXFILESIZE` (this step is optional).

This defines the maximum size (in bytes) for a PT trace file. If the PT output exceeds this limit, output will be written to the wrap file named `<user>.WRP.<trace-name>`; if the wrap file becomes too big, output will be written to the original trace file `<user>.<trace-name>`, and so on. This feature is useful if you have too much PT output in your program.

Note that the minimum value for `PT_MAXFILESIZE` is 1024; all values less than this (other than zero) will be automatically adjusted to 1024. A reasonable initial value is 10000000, which will create a maximum file size of 10MB.

- 10 If you have performed step 5, revert back to the release versions of the Adabas Systems Services by performing the following steps:
- Open an Adabas command prompt window from the Windows Start menu. Make sure you have Windows Administrator privileges ("Run As Administrator").
 - Remove the trace versions of the Adabas System Services:
 - `adasrv stop`
 - `adasrv remove`
 - `adashm stop`
 - `adashm remove`

- Install the release versions of the Adabas System Services:
 - adashm install
 - adashm start
 - adasrv install
 - adasrv start