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*****
*****
*****      readme.txt      *****
*****
*****      This file contains the latest technical details      *****
*****      for this ADABAS version.                               *****
*****
*****
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ADABAS for Open Systems      Version 7.0      October 2020
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1. Documentation

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The Adabas documentation is available in Empower as HTML and as PDF documents.

2. Documentation Errors

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All known documentation errors have been corrected in the current Empower version.

3. Changes with v7.0

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Since Adabas 6.4 the installation procedure is accomplished by the Software AG Installer. It is strongly recommended to read the installation manual and the Release Notes before starting with the installation of Adabas.

4. Official Fix

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There may be severe errors in Adabas that have been corrected after the freeze of Adabas v7.0. Those corrections will be announced in Software AG's support system Empower. They should be applied after installing Adabas v7.0 via Software AG's Update Manager.

5. Compatibility with Earlier Adabas Versions

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Adabas v7.0 is fully downwardly compatible with earlier Adabas versions. Earlier Adabas versions are also upwardly compatible with Adabas v7.0, provided you don't use new Adabas features that were not available in the earlier version. However, a conversion of the databases is required when the version is changed.

6. New Features Not Mentioned in the Release Notes

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All new features are described in the Release Notes.

7. Problems fixed with this Release

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Adabas v7.0 contains all fixes made available with Adabas v6.7.1 and a series of additional corrections as shown below.

ADAOS-5547

Revise memory allocation management routine.

ADAOS-5588

Provide systemd support for ADABAS startup.

ADAOS-5697

Align use of environment variables ADANUCLOG and ADANUCLOGOLD with contents of DBnnn.INI.

ADAOS-5702

Copy the file identified by environment variable ADANUCLOG if

AUTOSTART is set.

ADAOS-5706
Reject invalid AUTOSTART values in ADASRV.

ADAOS-5708
Align use of environment variables ADANUCLOG and ADANUCLOGOLD with contents of DBnnn.INI

ADAOS-5736
Do not abort the start of the nucleus if Event Analytics is disabled.

ADAOS-5746
Start REST server using systemd (if available).

ADAOS-5754
Improve ADAREC: Do not reset fcb date recovering a ciphered file.

ADAOS-5774
Do not lose user queue security context with User Exit 21 on subsequent OPEN call.

ADAOS-5776
Improve error message handling in ADABCK's function OVERLAY.

ADAOS-5790
Do not add '.' (dot) to environmental variable \$PATH.
The change in adaenv might have implications in your execution environment.
This change does not apply to Windows.

8. Installation Problems on UNIX

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There are no known installation problems on UNIX.

9. Installation Problems on Windows

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There are no known installation problems on Windows.

10. adalnk Changes

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The adalnk modules provided with this version contain several fixes of problems with the client-server communication. For this reason, you should no longer use adalnk modules delivered with previous Adabas versions.

11. Adabas Databases on File Systems Mounted with NFS

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Generally, NFS mounts are possible when installing ADABAS containers on a file system. It has been noticed that problems may occur in environments using automounted file systems.

If temporary mounts are being used, the SAG environment variables must be set to the file system path without the temporary mount reference e.g.

/FS/fs0703/SAG should be used instead of /tmp_mnt/FS/fs0703/SAG.

If you install ADABAS on NFS mounted devices, the NFS mount must support installations with root permissions.

This means in particular:

- No root squash.
- No all squash.
- No conversion of the installation user ID to ANOID.
- At least RW-access.

Additionally, it is required that the operating systems concerned support the full and correct NFS functionality.

12. Operating System Dependent Notes

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Linux Intel/AMD

On Linux, the "inotify" file system monitoring mechanism is used. Therefore, a new file "/tmp/.adabas_db<dbid>.watch" will be created to synchronize with client processes. Please do not delete this file as long as the database <dbid> is active.

The "inotify" mechanism requires additional kernel parameter settings. The following parameters should be set in the /etc/sysctl.conf according to the number of Adabas client processes:

fs.inotify.max_user_instances

This specifies an upper limit on the number of inotify instances that can be created per real user ID (at least number of parallel used databases multiplied with the number of client processes).

fs.inotify.max_user_watches

This specifies an upper limit on the number of watches that can be created per real user ID (at least number of parallel used databases multiplied with the number of client processes).

See also "/proc/sys/fs/inotify"

13. Known Severe Problems

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There are no known issues in this release.

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