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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 6.7.1          October 2019
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1. Documentation

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

2. Documentation Errors

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

3. Changes with v6.7.1

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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 v6.7.1. Those corrections will be announced in Software AG's support system Empower. They should be applied after installing Adabas v6.7.1 via Software AG's Update Manager.

5. Compatibility with Earlier Adabas Versions

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Adabas v6.7.1 is fully downward compatible with earlier Adabas versions. Earlier Adabas versions are also upward compatible with Adabas v6.7.1, 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 v6.7.1 contains all fixes made available with Adabas v6.7 and a series of additional corrections, as shown below.

ADAOS-5056

Correct ADAMON's handling concerning to ADABCK.

ADAOS-5206

Replace ADACLPL's misleading message SFSLMM (structure level mismatch) by the more meaningful message INVCLOGLAYOUT (invalid CLOG layout).

ADAOS-5305

Avoid crash in ADAOPR using large values for parameter REPLICATION_ID.

ADAOS-5309

Disallow replication of ADABAS system files.

ADAOS-5311

Free used resources by a non-descriptor search on files with spanned records.

ADAOS-5318

Do not release storage still needed displaying TCP/IP status with ADAOPR.

ADAOS-5324

Improve CVT_FMT, a tool to transfer data from an M/F to Linux, to correctly handle large PE and/or MU fields.

ADAOS-5338

Avoid a crash of ADABAS utilities secured by RBAC in a Docker environment.

ADAOS-5340

Correct byte-swapping (if needed) for process-id and timestamp in ADABAS TCP/IP calls.

ADAOS-5353

Improve prilogc output - drop repeated data.

ADAOS-5354

Improve prilogc output: display correct buffer lengths.

ADAOS-5359

Force an output from ADAPLP by always requesting its parameter RABN.

ADAOS-5371

Avoid an abnormal end of ADAINV reinverting the RBAC system file.

ADAOS-5374

Remove base file if ADAFDU fails creating the corresponding LOB file.

ADAOS-5376

Avoid nucleus stop when trying to renumber the RBAC System File while authorizing clients.

ADAOS-5398

Increase length-bytes of MU/PE header from 2 to 4 bytes to support lengths larger than 64K.

ADAOS-5402

Improve ADACLCP's output: always display FB and RB (if requested).

ADAOS-5545

Reset LOB cleanup function in nested calls.

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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