```
**********************************************************************
*****                                                            *****
*****                        readme.txt                          *****
*****                                                            *****
*****     This file contains the latest technical details for    *****
*****     this ADABAS version.                                   *****
*****                                                            *****
**********************************************************************
```

```
======================================================================
 ADABAS for Open Systems        Version 6.7.1            October 2019
======================================================================
```


Contents
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1. Documentation

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

2. Documentation Errors

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

3. Changes with v6.7.1

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

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

Adabas v6.7.1 is fully downward compatible with earlier Adabas versions. Earlier Adabas versions are also upwardl 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

All new features are described in the Release Notes.

7. Problems fixed with this Release

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

ADAOS-5545
Reset LOB cleanup function in nested calls.

8. Installation Problems on UNIX

There are no known installation problems on UNIX.

9. Installation Problems on Windows

There are no known installation problems on Windows.

10. adalnk Changes

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

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

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

There are no known issues in this release.

(end of document)