

ReDAT eXperience ATC-ATM Version 2.36.8 Released 28 Oct, 2022







Hardware requirements

Server with eXperience system

According to RD 044 001 Technical specifications, the minimum requirements for the HW PC where the eXperience system is installed:

- min. 3,7 GHz, 4 cores Processor
- RAM

User computer requirements for connection to ReDAT experience and installation on the user computer

- - provided as for eXperience, see HW requirements above.



16 GB (plus 1 GB RAM for every million records in a DB)

Windows OS: Microsoft-supported operating systems. (Windows 7 and earlier versions are not supported.)

For the **ReDAT Inspector** application that is installed on the user's computer, the same conditions must be



Software requirements

Server with eXperience system

- Windows Server 2016, Windows Server 2019, Windows Server 2022.
- according to the technical conditions are supported.
- Required components installed on Windows:
 - **OpenJDK 1.8**
 - Microsoft .NET Framework 3.5 a 4



Only the Windows Server operating system, not older than 8 years from its first release, is supported.

It is also possible to install experience on virtual servers. Virtualization platforms with the operation system



Software requirements

Browsers

- eXperience 2.36.8 has been released for the following browser versions:
 - Google Chrome: 106.0.5249.119
 - Mozilla Firefox ESR: 102.4.0
 - Mozilla Firefox: 106.0.1
 - Microsoft Edge: 106.0.1370.52
- Minimal version of browsers:
 - Google Chrome 85.0
 - Mozilla Firefox ESR 78.0.0
 - Microsoft Edge 85.0

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Catalog

Download manager

according to the name entered in the offline export wizard.

Package export

- The Export wizard was modified.
- You can export a package offline.
- You can name the exported data files.
- The zip file can be password protected.



If you download records offline via the Download manager, the file has a name



Catalog – Timeline

The number of records per page i.e., the number of rows per page in the is limited to **20 or 50 rows/records**.

| Catalog | <u>@</u> | | ► 00:00:00 | | | |
|-------------------|----------|---------------------|-----------------------|---------------|---------|---|
| E List of records | Datalink | Timeline (Channels) | Statistics (Channels) | | | |
| | | | | | | |
| | | | | | 09:29:0 | 0 |
| ✓ ▲ Name | | Data type | Group | Resource | ▶ | |
| | | | | APCM 2:01 | | |
| | | | | APCM 1:08 | | |
| | | | | APCM 1:07 | | |
| | | | | APCM 1:06 | | |
| | | | | APCM 1:05 | | |
| | | | | APCM 1:04 | | |
| | | | | APCM 1:03 | | |
| | | | | SCR 1:04 | | |
| | | | | APCM 1:02 | | |
| | | | | SCR 1:03 | | |
| | | | | APCM 2:08 | | |
| | | | | APCM 2:07 | | |
| | | | | APCM 2:06 | | |
| | | | | APCM 2:05 | | |
| | | | | APCM 2:04 | | |
| | | | | APCM 2:03 | | |
| | | | | APCM 2:02 | | |
| 192.168.4.197 | | Ţ | root | 192.168.4.197 | « | |
| 192.168.4.198 | | Ţ | root | 192.168.4.198 | « | |
| 280dbr | | 1 | root | 280dbr | | |
| | | | | | | |
| | | | | | | |



I I Page 1 of 1 ► ►I

Rows per page: 20 50

| view | | |
|--|---|--------|
| | | |
| | | |
| he Catalog – Time | eline view | |
| Page I of 1 | Rows per page: 20 50 eXperience | ATC |
| 29:00 09:29:30 09:30:00 09:30:30 09:31:00 09: • • • | ▲ SuperUser ▲ ↑ ↑ 2022-10-19 09:29:00 ■ ▲ ↑ ↑ 2022-10-19 09:29:00 ■ ▲ ↑ ↑ 2022-10-19 09:39:00 • ● • • • • • • • • • • • • • • • • • • | |
| | | |
| | | |
| | | |
| | | |
| | All rows: 20 Selected re | ows: 0 |



Player - Visual media - Zoom

- The zoom function in the advanced pla modified.
- Turning the wheel upwards will enlarge MEDIA area).
 - Turning downwards makes it smaller.





The zoom function in the advanced player using the scroll mouse wheel has been

Turning the wheel upwards will enlarge the image (vertically enlarging the VISUAL

| ק [⊭] | |
|---|-------------|
| | ,××× |
| VOL: 100% 0000-00-00 00:00:00 SPEED: 1.00 0000-00-00 00:00:00 | 00:00:00 |
| 0:10 00:20 00:30 00:40 00:50 01:00 01:10 01:20 | 01:30 01:40 |
| | |



Audio filters and compression

- Right clicking the F or C button opens the Audio processing settings window.
- Or click the left mouse button above the F button and set the frequency filter.

Filtration settings

- Frequency filter select the band-stop filter frequency.
- By default, no frequency is selected.
- If the filter selection is made during playback, the filter is immediately applied to the audio.

Compressor settings

- Dynamics compressor set the compression level [dB].
- If you change the compression level during playback, the c to the sound with a small-time delay. The selected setting
- The default setting is -10 dB
- The adjustable range is -100 to 0 dB.
- The saved settings are valid for the duration of playback of a particular recording or playback of the selected channel. For further playback, the settings are set to the default state (F: no selection, C: -10 dB)
- If you click Cancel (the cross in the window header), the current settings are not saved. After closing the window, the values set before opening the dialog are used.



| Image: Controls CHANNELS VISUAL MEDIA SPOKEN TIME Image: Controls CHANNELS VISUAL MEDIA SPOKEN TIME Image: Controls 14:20 14:30 14:40 14:50 15:00 15:10 15:20 15:30 15: Image: Controls CHANNELS VISUAL MEDIA SPOKEN TIME Image: Controls Image: Controls CHANNELS VISUAL MEDIA SPOKEN TIME Image: Controls Image | PLAYER 🔻 | | | | | |
|---|---|------------------------------------|------------|-------------------------|--|----------------|
| CONTROLS CHANNELS VISUAL MEDIA SPOKEN TIME Image: Control in the image: Channel in th | | REPEAT REP.AB VOIC | E POINT | VOL: 100 SPEED: 1.00 | [‰] 2022-10-10 08:14:12.78 — 2022-10-10 08:14:24 | ³ 0 |
| 111 100% L R F DIST No of channel 100% L R C DIST | CONTROLS CHANNELS | VISUAL MEDIA SPOKEN TIME | 4:20 14:30 | 14:40 14:50 15:00 |) 15:10 15:20 15:30 | 15: |
| | الله الله الله الله الله الله الله الله | 100% L R F DIST 100% L R C DIST | | | | |

| compressor | setting | is appl | ied |
|--------------|----------|---------|-----|
| is automatic | ally sav | ved. | |

| x < 111 | | • |
|--|--|---|
| F F C C | | |
| | | |
| Audio processing set | tings | |
| Audio processing sett Frequency filter 300 Hz 600 Hz 1200 Hz 2400 Hz 3400 Hz | tings Dynamics compressor Compression level [dB] -10 |) |



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System – Recording sources – VOX

Mode VOX/Dynamics

- The colour indication of the audio signal level has been changed.
- The indicator indicates the current audio signal level.
- Exceeding the level is indicated by the green colour (in previous versions red colour).
- This colour display is identical to the graphics in the Monitoring agenda.

Previous versions:





In version 2.36.8:

| APCM 1:03 ReDat3_80 root | | ✓ ✓ | √ 3 | Normal |
|--|--|---|--|--|
| General Parameters of eXperience Param | eters of recording unit Warnings - Operation Usage | | | |
| Trigger | Record | Input | | Detectors |
| Manual TELEF Missed TRS Level[dBm]-35 VOX Dynamic Contact Permanent | Compression A-law 64 Attack [s] 0.1 Advance [s] 0.4 Decay [s] 2 Relation split 30 \diamondsuit [min] | Gain [dE Gain [dE AGC Level [d Thresho Attack [s | Bm] 0 Bm] 0 Id [dBm] -56 B] 2 | Tone det. 1 MDC1200 Tone det. 2 not selected Tone det. 3 not selected |



Easy configuration

- features have been added in version 2.36.8.
- must be performed by the operator, who is alerted to them by notifications.





In addition to the auto-configure associated channel feature (introduced in version 2.36.7), which makes it easier and more synchronized to configure 2 associated recording units, some new

These new functions ensure the transfer and therefore the synchronization of the configuration between the main and backup eXperience unit. These actions are not performed automatically, but



Topology

- A new Topology agenda has been introduced.
- The agenda sets the "relationship" between the main and redundant eXperiment

| Main Recording sources Data CTI Archiving Screens Imports Info35 Indicator Database Configuration Topology Pooled Experience Roles Main IP address 192.168.23.123 Communication Image: Construction of proceding units for pooled eXperience | |
|--|------------|
| Database Configuration Topology Pooled Experience Roles Main IP address 192.168.23.123 Communication Communication Mane of meetings | Map Backup |
| Pooled Experience Roles Main IP address 192.168.23.123 Communication ✓ Online communication ✓ Online communication INapping of recording upits for peoled eXperience | |
| Pooled Experience Roles Main IP address 192.168.23.123 Connection test Communication Transfer communication method settings Mapping of recording units for pooled eXperience Transfer communication method settings | |
| Roles Main IP address 192.168.23.123 Communication Communication Image: Communication Transfer communication method settings Mapping of recording upits for peopled eXperience | |
| IP address 192.168.23.123 Connection test Communication Transfer communication method settings Image: I | |
| Communication Transfer communication method settings Mapping of recording upits for pooled eXperience Transfer communication method settings | |
| Online communication Transfer communication method settings | |
| Nanning of recording units for peoled eXperience | |
| No, they share the same recording units Yes Invert normal/redundant channel settings | |
| 192.168.0.86 | |
| ✓ 192.168.2.100 | |
| ✓ 192.168.2.180 | |
| ✓ 192.168.23.123 | |
| ✓ 192.168.4.198 | |
| | |
| | |



It depends on the LIC_REDUNDANT_REX (0/1) license entry in the license_basic.php file.



Parameters that are automatically copied in the configuration

System:

- Recording sources: Recording units, Channels
- Main: Adjustment, LDAP, SMTP, Authenticatine, Setting table (not all items)
- Users: Persons (except agent settings), Groups, Workgroups
- Filters
- MySpace

Restrictions on the redundant experience side

- - eXperience side.



Data: Data columns, UD parameters, Replication rules, Expiration – records, Expiration – others

Parameters that are copied in the configuration cannot be edited, recreated or removed on the redundant



Configuration transfer

master/redundant).

The file transfer can be done:

- (recommended method for full control of the complete transfer).
- possible, but may lose some of the advantages of online transfer).



Configuration transfer is based on file transfer. Changes are already recorded in the file according to the settings in the Topology agenda (change of IP addresses of recording units, channel roles -

"online, - The configuration file is automatically placed in the directory of the redundant server

Or "offline, - The file must be transferred "manually", e.g., using removable media (this method is



Configuration transfer - export

- If the configuration needs to be transferred, the operator is notified by a notification.
- - Writing to the recording units.
 - Transfer the configuration to the redundant REX.
 - Performing these actions cancels the notification.

Overview of active notifications

Configuration changes have been made that need to be transferred to the redundant eXperience. Perform the transfer in the (View) agenda using the Export button.

Changes have been made to the configuration of the recording resources that need to be written to the recording units. Perform the transfer in the agenda. (View)





For example, if a channel setting change is made, the operator is notified of the 2 necessary actions:



Configuration transfer - export

In the wizard, select the option: Transfer of configuration to associated experience

| System | <u>@</u> | | | | | | | (i) eXperience |
|-------------------|----------------|---|--------------------|---------|--------|-----------|------------|----------------|
| Main Recording | g sources Data | CTI Archivi | ing Screens | Imports | Info35 | Indicator | ▼ Next (2) | 👤 SuperUser |
| Database Configur | ation Topold | nfiguration export | | | | | | × |
| Export | | Backup Configuration transfer Transfer of configuration | to associated eXpe | erience | | | | |
| Import | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | Next | Cancel | | | | |
| | | | | | | | | |
| | | | | _ | _ | | | |





Configuration transfer - import

action.

Overview of active notifications

An online export of the configuration has been performed, perform the import on the associated eXperience (View) side by clicking Import and selecting Restore from Transfer. ОК

Writing the configuration to the recording units

- This is usually the last step in synchronizing configurations.
- In the case of a recording system topology, if the recording units are associated, this step is not

necessary.

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If the configuration has been transferred (exported), the operator is notified that it is necessary to import the configuration into the redundant eXperience - the View link opens the agenda for the necessary



Configuration transfer

- All actions related to configuration changes are recorded in the Audit system.
- recorded in Audit.

| ٩ | Audit | <u>@</u> | | ► 00:00:00 | ~ | | | | |
|----|---------------------|----------|------------|--------------------|--------------|----------|-------------------------------|--------|---|
| ŧ۲ | List | | | | | | | | |
| S. | I 🕄 💼 👔 | | | | | | | | |
| | Time | Event ID | Source | IP address | <u>Login</u> | Level | Event | Module | Details |
| | 2022-10-20 10:36:20 | 2727409 | SuperUser, | 192.168.0.123 | superuser | ይ | LNG_HIST_BACKUP_ONLINE_EXPORT | Backup | modified_192.168.2.180_20221020101015.bck |
| | 2022-10-20 10:36:01 | 2727407 | SuperUser, | 192.168.0.123 | superuser | 1 | Edit topology | Backup | Počet změn: 1 |
| | 2022-10-20 10:33:14 | 2727399 | SuperUser, | 192.168.0.123 | superuser | 1 | LNG_HIST_BACKUP_MANUAL_SYNC | Backup | |
| | 2022-10-20 10:33:14 | 2727400 | SuperUser, | 192.168.0.123 | superuser | 0 | LNG_HIST_BACKUP_SYNC | Backup | |
| | 2022-10-20 10:29:11 | 2727383 | SuperUser, | 192.168.0.123 | superuser | A | LNG_HIST_BACKUP_NON_SYNC | Backup | |
| | 2022-10-20 10:29:08 | 2727379 | SuperUser, | 192.168.0.123 | superuser | A | LNG_HIST_BACKUP_NON_SYNC | Backup | |
| | 2022-10-20 10:23:13 | 2727362 | SuperUser, | 192.168.0.123 | superuser | 1 | Edit topology | Backup | Počet změn: 1 |
| | 2022-10-20 10:03:08 | 2727313 | SuperUser, | 192.168.0.123 | superuser | 1 | LNG_HIST_BACKUP_ONLINE_EXPORT | Backup | modified_192.168.2.180_20221020101003.bck |
| | 2022-10-20 10:02:38 | 2727310 | SuperUser, | 192.168.0.123 | superuser | 1 | LNG_HIST_BACKUP_ONLINE_EXPORT | Backup | modified_192.168.2.180_20221020101034.bck |



Configuration match or dismatch between the master and redundant experience system are also



Backup and restore configuration

- Along with configuration transfers, configuration backup (only the entities used for the transfer) and configuration recovery were also addressed.
- During the transfer, an optional step to create a custom backup is included in the wizard.
- Restoring from a backup potentially creates a configuration mismatch condition between the master and redundant experience unit. This mismatch can be resolved either by manual intervention or by performing a complete configuration transfer.
- Restoring a redundant experience can be done in three ways:
 - From your own backup
 - From a transferred file
 - Transfer from the main eXperience system

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Detailed description is in the eXperience manuals and manual RD 044 021 ATC-ATM



