ReDAT eXperience ATC-ATM Version 2.36.8

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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:

— Processor min. 3,7 GHz, 4 cores

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

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

— 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

provided as for eXperience, see HW requirements above.

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Software requirements

Server with eXperience system

- Windows Server 2016, Windows Server 2019, **Windows Server 2022**.

- 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 according to the technical conditions are supported.

- Required components installed on Windows:

    - OpenJDK 1.8

    - Microsoft .NET Framework 3.5 a 4

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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

— If you download records offline via the Download manager, the file has a name according to the name entered in the offline export wizard.
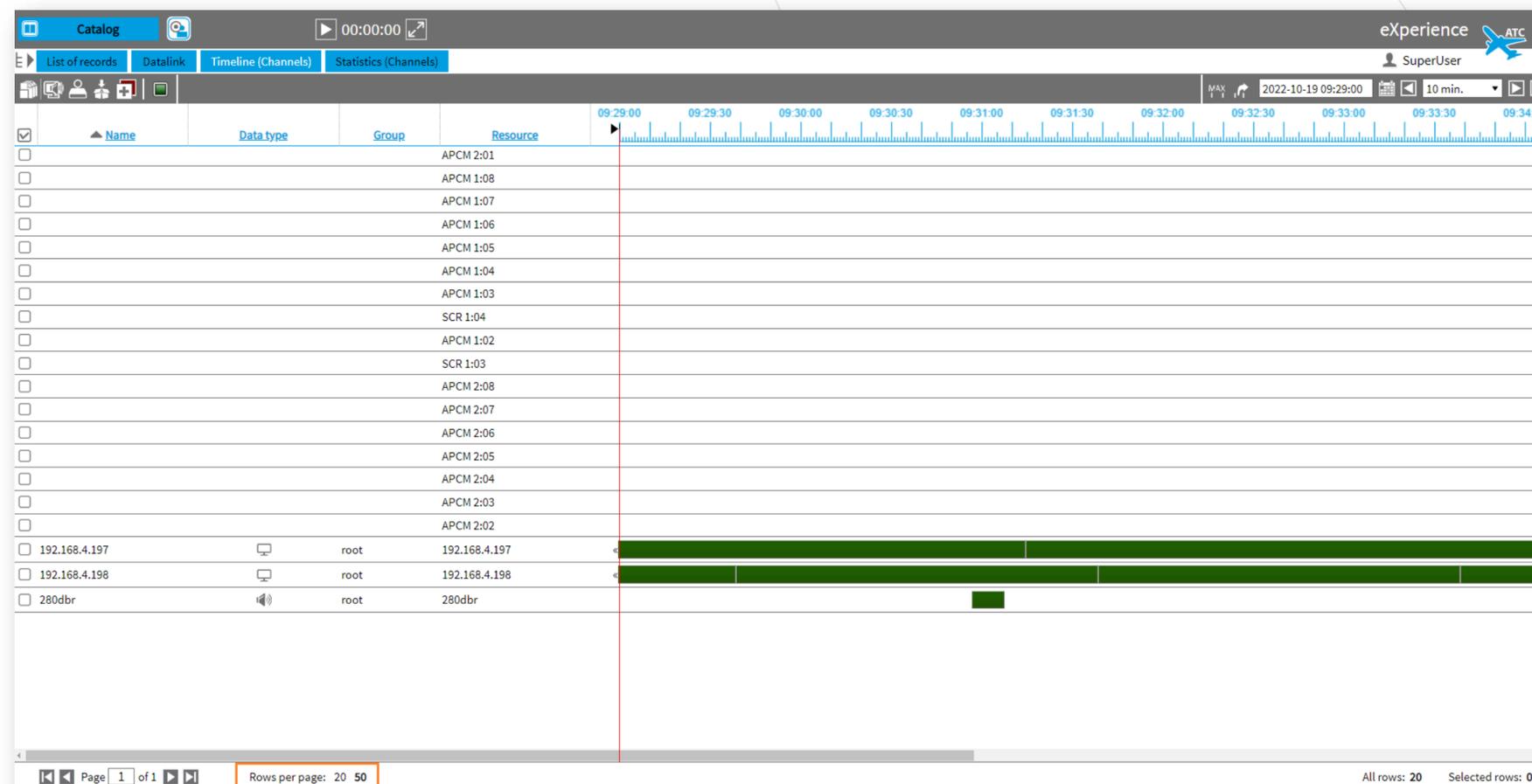
Package export

— 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.

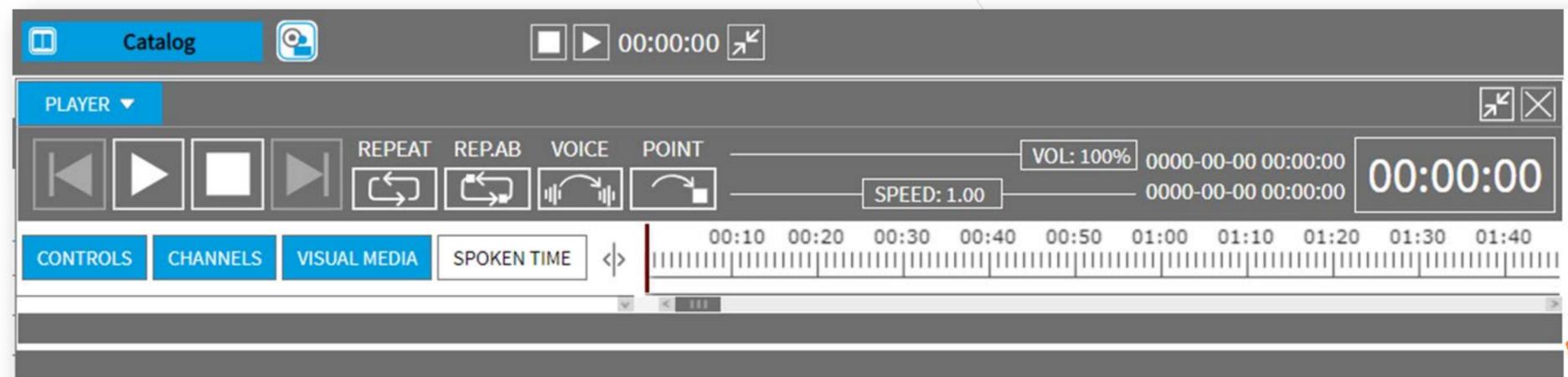**ReDAT**

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Catalog – Timeline view

— The number of records per page

i.e., the number of rows per page in the **Catalog – Timeline view**

is limited to **20 or 50 rows/records**.

Player - Visual media - Zoom

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

- Turning the wheel upwards will enlarge the image (vertically enlarging the VISUAL MEDIA area).

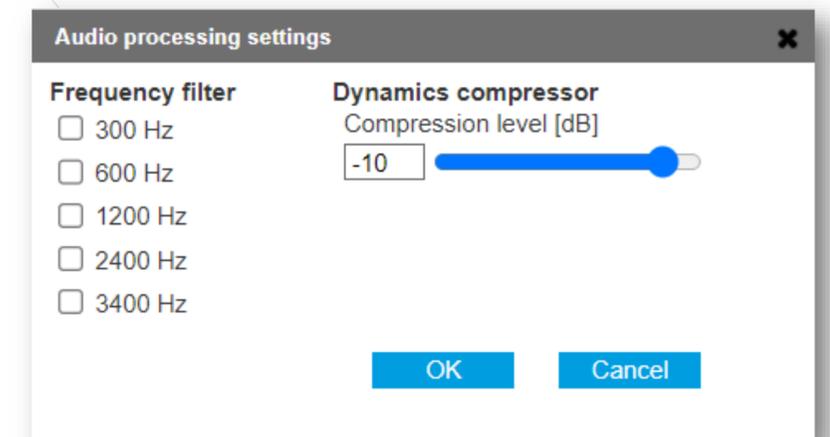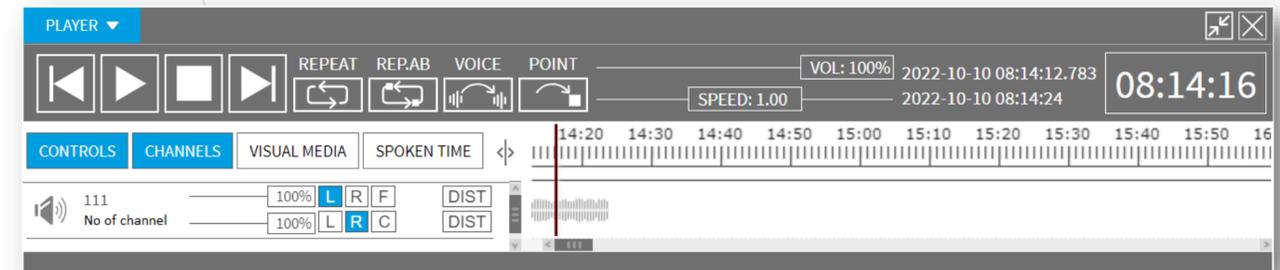- Turning downwards makes it smaller.

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 compressor setting is applied to the sound with a small-time delay. The selected setting is automatically saved.

— 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.
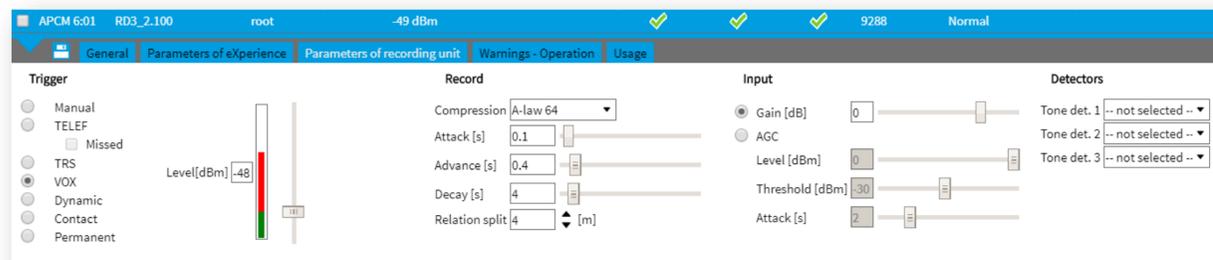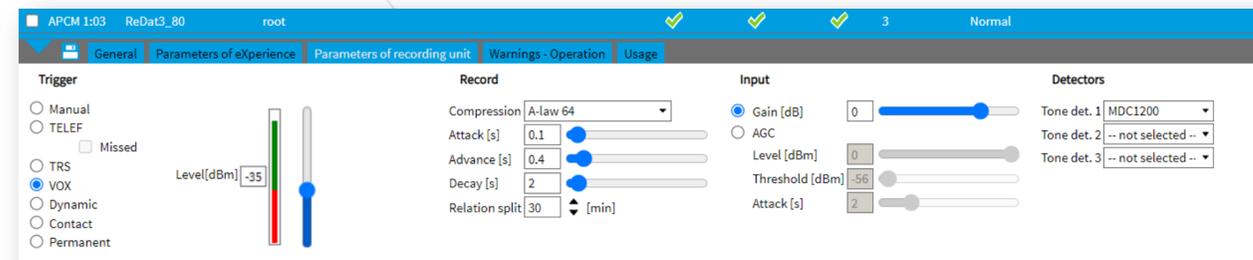
System – Recording sources – VOX

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.
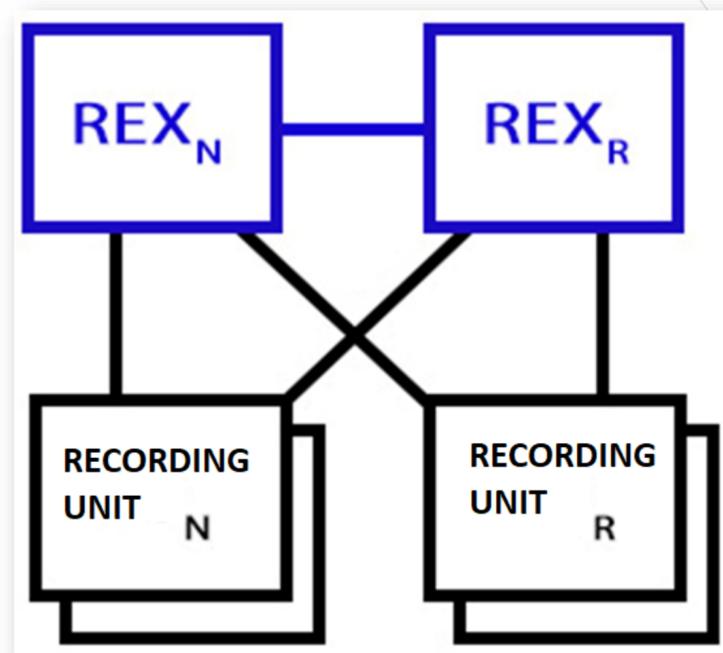
Previous versions:

In version 2.36.8:

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Configuring a recording system with a redundant eXperience system

Easy configuration

— 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 features have been added in version 2.36.8.

— 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 must be performed by the operator, who is alerted to them by notifications.

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Configuring a recording system with a redundant eXperience system

Topology

— A new Topology agenda has been introduced.

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

— The agenda sets the "relationship" between the main and redundant eXperiment

Configuring a recording system with a redundant eXperience system

Parameters that are automatically copied in the configuration

— System:

    — Recording sources: Recording units, Channels

    — Main: Adjustment, LDAP, SMTP, Authenticatine, Setting table (not all items)

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

— Users: Persons (except agent settings) , Groups, Workgroups

— Filters

— MySpace

Restrictions on the redundant eXperience side

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

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Configuring a recording system with a redundant eXperience system

Configuration 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 - master/redundant).
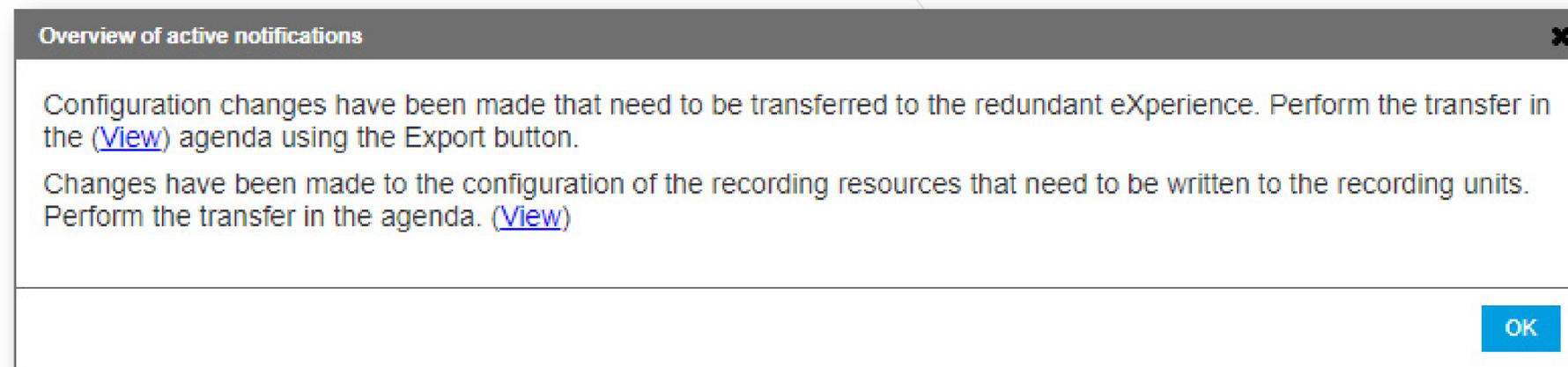
The file transfer can be done:

— „**online**„ - The configuration file is automatically placed in the directory of the redundant server (recommended method for full control of the complete transfer).

— Or "**offline**„ - The file must be transferred "manually", e.g., using removable media (this method is possible, but may lose some of the advantages of online transfer).

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Configuring a recording system with a redundant eXperience system
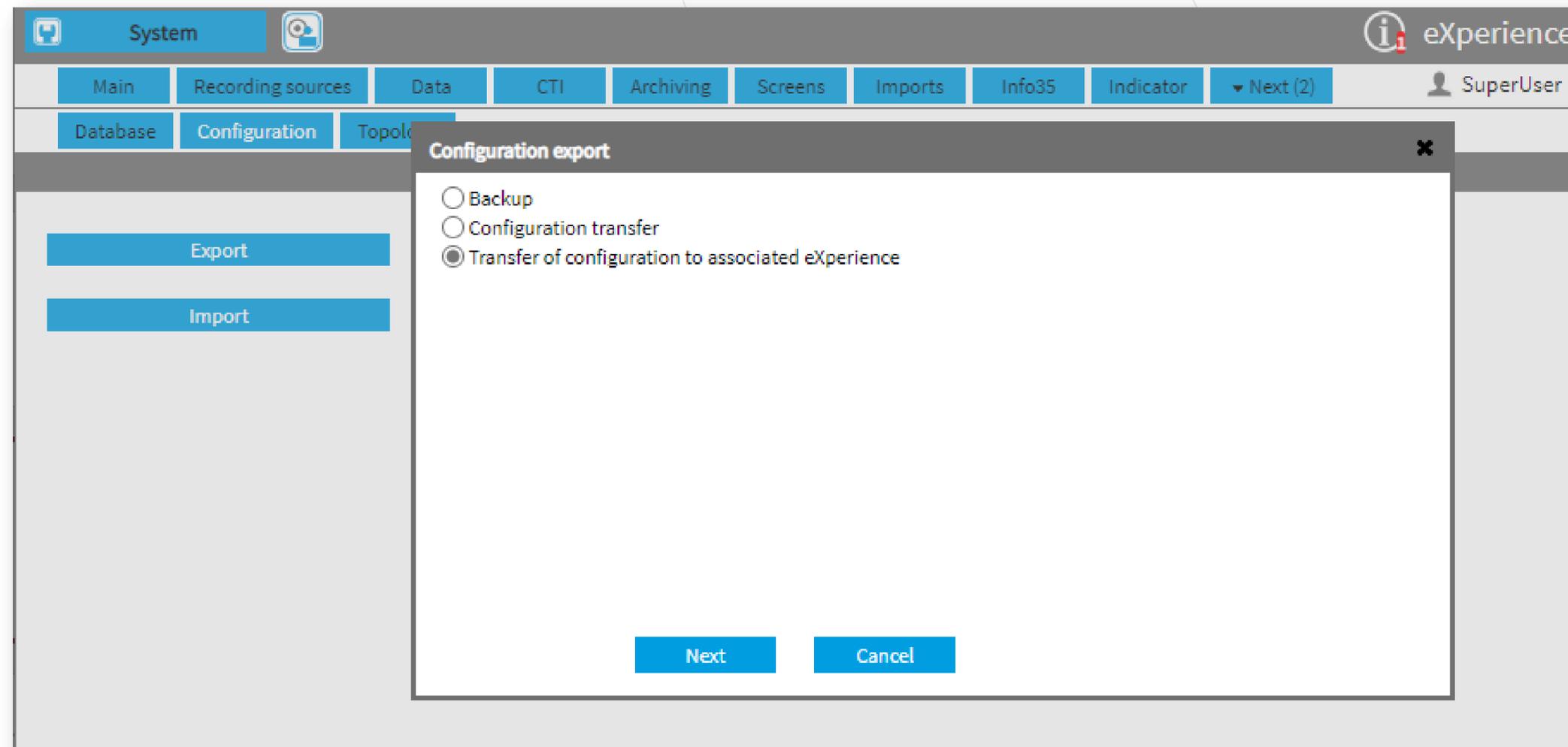
Configuration transfer - export

— If the configuration needs to be transferred, the operator is notified by a notification.

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

— 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)

OK

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Configuring a recording system with a redundant eXperience system
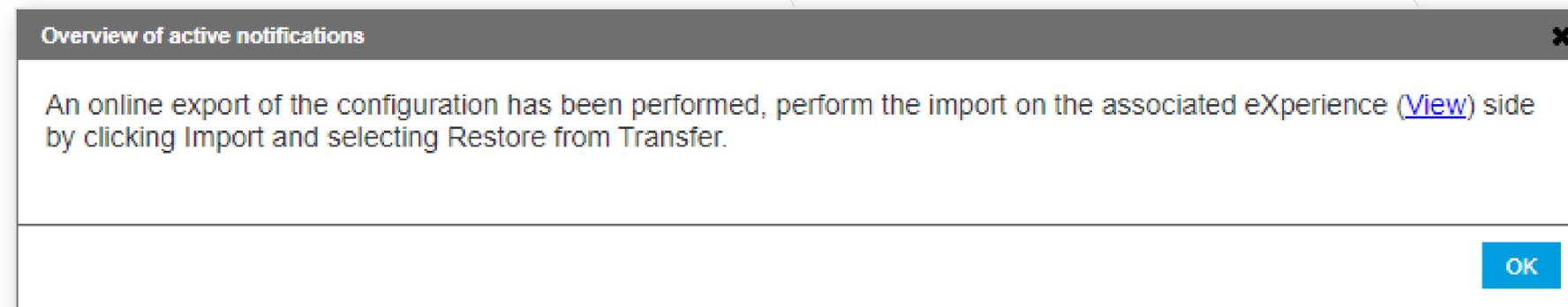
Configuration transfer - export

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

Configuring a recording system with a redundant eXperience system

Configuration transfer - import

— 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 action.
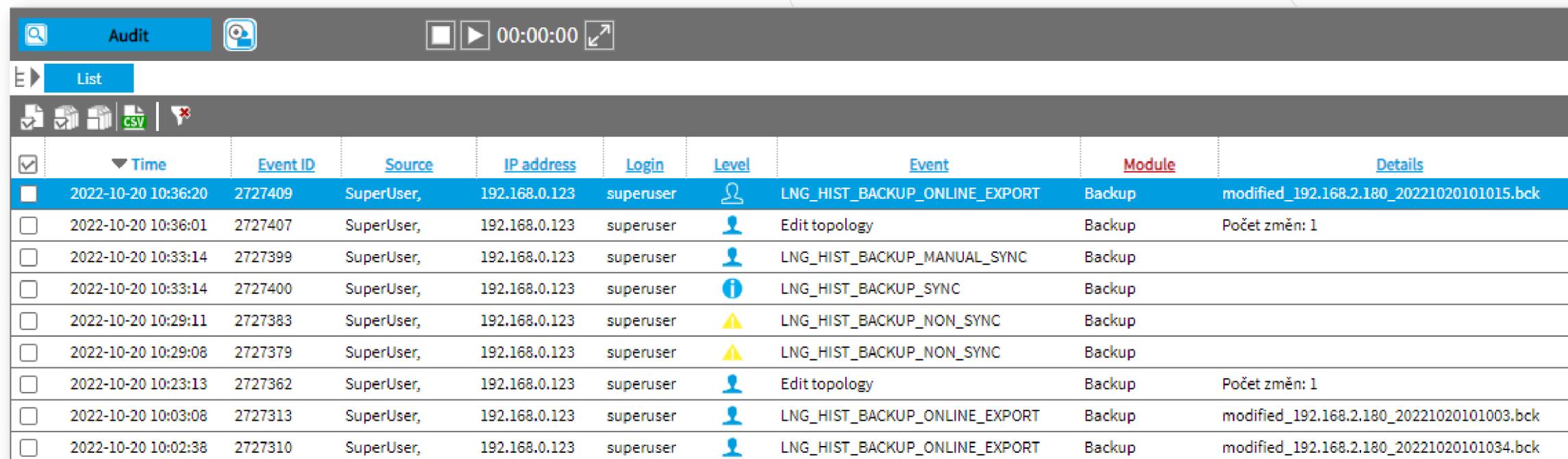

Overview of active notifications ✖

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.

OK

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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Configuring a recording system with a redundant eXperience system

Configuration transfer

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

— Configuration match or dismatch between the master and redundant eXperience system are also recorded in Audit.

	Time	Event ID	Source	IP address	Login	Level	Event	Module	Details
	2022-10-20 10:36:20	2727409	SuperUser,	192.168.0.123	superuser		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		Edit topology	Backup	Počet změn: 1
	2022-10-20 10:33:14	2727399	SuperUser,	192.168.0.123	superuser		LNG_HIST_BACKUP_MANUAL_SYNC	Backup	
	2022-10-20 10:33:14	2727400	SuperUser,	192.168.0.123	superuser		LNG_HIST_BACKUP_SYNC	Backup	
	2022-10-20 10:29:11	2727383	SuperUser,	192.168.0.123	superuser		LNG_HIST_BACKUP_NON_SYNC	Backup	
	2022-10-20 10:29:08	2727379	SuperUser,	192.168.0.123	superuser		LNG_HIST_BACKUP_NON_SYNC	Backup	
	2022-10-20 10:23:13	2727362	SuperUser,	192.168.0.123	superuser		Edit topology	Backup	Počet změn: 1
	2022-10-20 10:03:08	2727313	SuperUser,	192.168.0.123	superuser		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		LNG_HIST_BACKUP_ONLINE_EXPORT	Backup	modified_192.168.2.180_20221020101034.bck

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Configuring a recording system with a redundant eXperience system

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

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