New Features

ibaDatCoordinator v2.4.0

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1 Re-process existing events

The event job has been extended with an option to re-process existing events. In contrary to the standard mode which only checks for newly created events, it is now possible to select a time-range and process all events in this range.

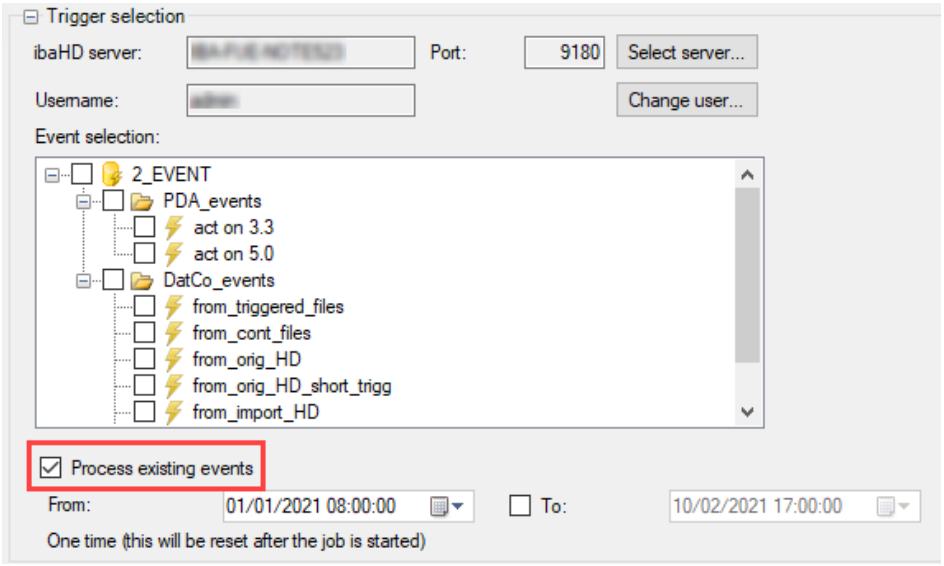


Figure 1 Option to re-process existing events

By selecting the option “Process existing events” and starting the job, ibaDatCoordinator processes all events starting from the set start date and time.

Note that the job needs to be stopped and started again. Uploading the configuration is not sufficient in this case.

If the option “To” is set, the processing will stop at the set time and date. If this option is not set, ibaDatCoordinator will process all events up to the current time and then automatically continue in the standard mode, i.e. listen to newly created events and process them.

This option is a “one-time-option”. When it is activated and the job is started, the check-box to enable it will be automatically cleared. If the events should be re-processed once more, the option can be activated again by stopping the job, activating the checkbox, and starting the job again.

2 Extension for creating offline events

With version 2.3.0 we introduced the offline event task to create ibaHD Events using ibaDatCoordinator. The functionality of this task was extended to enable more flexible usage.

2.1 Create Outgoing events

In previous versions of ibaDatCoordinator it was possible to create incoming events only. A new option has been added to create also an outgoing event for each processed file or HD time-range.

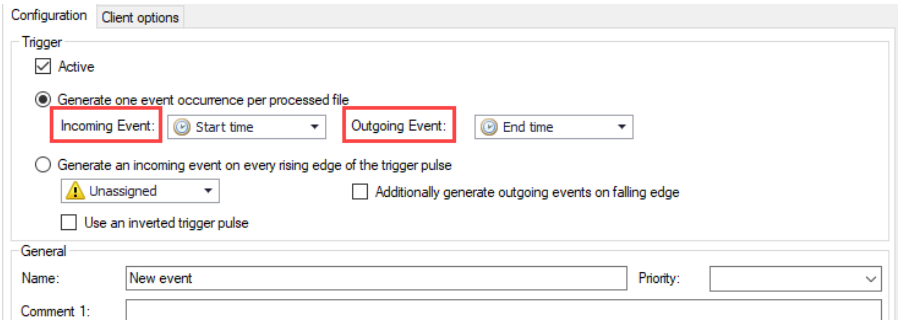


Figure 2 Configuration of incoming and outgoing events

If no outgoing event should be created, the outgoing event can be set to “Unassigned”.

Note that an incoming event is always created with this option. This means that either only incoming events or pairs of incoming and outgoing events can be configured. An option to create outgoing events only (without corresponding incoming event) is not supported.

2.2 Create Events based on digital signals

Previously, it was possible to create one event per processed file or HD time-range. A new option is available now to create events based on any digital signal available in the data file or computed via the corresponding pdo.

By selecting a digital signal from the file-tree, events can be created based on the edges of this signal. By default, an incoming event is created for every rising edge of the selected signal.

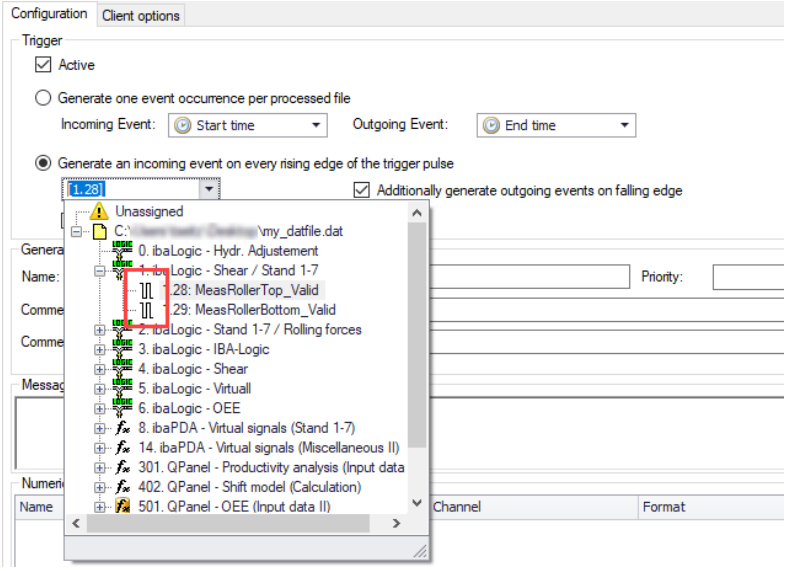


Figure 3 Select a digital signal

Note that the file-tree is automatically filtered and only digital signals are shown in the list. The file-tree is available if an example dat-file is loaded. In this case the signal name is also displayed in the dropdown menu.

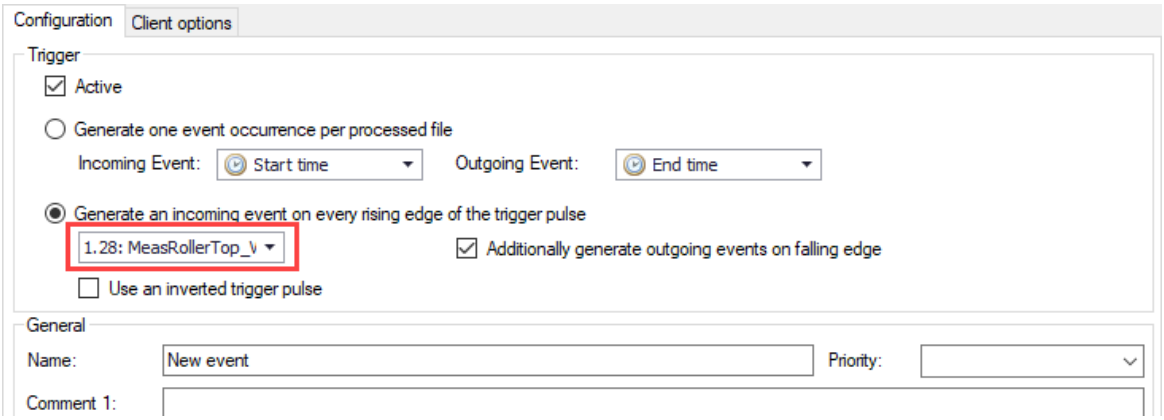


Figure 4 Option to generate events based on digital signals

If the option “Additionally generate outgoing events on falling edge” is selected, an additional outgoing event is created for every falling edge.

If the option “Use an inverted trigger pulse” is selected, an incoming event is created for every falling edge, and an outgoing event (if the option “Additionally generate outgoing events on falling edge” is selected) for every rising edge.

2.3 Dependencies

The dependencies for using the complete functionality of the *offline-events* are repeated here again for convenience:

- **ibaHD-Server v2.4.0** (or higher)
  The necessary changes to write events with ibaDatCoordinator were implemented in ibaHD-Server v2.4.0. Writing to older versions of ibaHD-Server is not supported.
- **ibaPDA v7.2.0** (or higher)
  The corresponding conflict management when an event store is used by ibaPDA and ibaDatCoordinator at the same time has been implemented in ibaPDA v7.2.0.
- **ibaAnalyzer v7.1.7** (or higher)
  The changes to show the file-tree for signal selection were implemented in ibaAnalyzer v7.1.7. It is possible to use the offline event task with an older version of ibaAnalyzer, however, the signal selection from the file tree will not be available then.

3 Support for Active Directory in ibaHD-Server

With version 2.6.0 of ibaHD-Server or later, Active Directory users are supported in the user management. Starting from this version of ibaDatCoordinator, it is possible to use Active Directory credentials when connecting to ibaHD-Server.

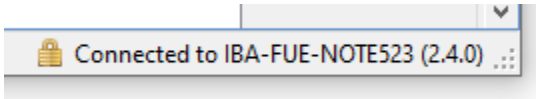
The Active Directory user name should be in the format domain\user. The domain can be the short name or the fully qualified domain name. If the connect fails with the short name then try the fully qualified domain name. The user part should be the (legacy) user logon name.

4 Client-Server communication

When using ibaDatCoordinator as Server and Client, configurations are sent between both components. This communication has been changed. Note that this does not affect the usage of ibaDatCoordinator in any way.

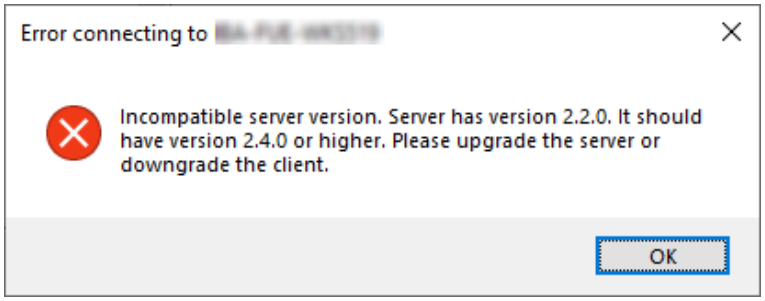
4.1 Encrypted communication

All messages exchanged between ibaDatCoordinator Service and Client are encrypted. This is indicated by a closed lock in the status bar (bottom right) and the Server version is also displayed. This has no further implications on the usage and functionality of ibaDatCoordinator.



4.2 Version dependencies

Due to the changes in communication, it is necessary that ibaDatCoordinator Service and Client both are version 2.4.0 or later. If you try to connect to an older Server version, a corresponding error message is shown.



As usual, when connecting to a server with a newer version than the used client, another error message is shown.