

Release Notes X/P Messenger + Listener 4.6.4

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1 Messenger changes

1.1 improvements

ID	Summary

1.2 bugfixes

ID	Summary
PXP-4686	Messenger is not waiting for an ACK although it is configured in Agreement
PXP-4676	Message type recognition does not work when multiple definitions exist
PXP-4687	Listener returns HTTP 200 on message reception even if forwarding to Messenger fails
PXP-4701	library updated to fix CVE-2025-22228

1.3 known issues

ID	Summary

2 Listener changes

2.1 bugfixes

ID	Summary

2.2 improvements

ID	Summary

2.3 known issues

ID	Summary

3 Downloads

3.1 Download links of Messenger version 4.6.4

full distribution 4.6.4 with JRE 21.0.2 (Windows):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Messenger-4.6.4-Windows.zip>

update patch from 3.7.0 to 4.6.4 including JRE 21.0.2 (Windows):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Messenger-4.6.4-Windows-patch.zip>

full distribution 4.6.4 with JRE 21.0.2 (Linux):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Messenger-4.6.4-Linux.zip>

update patch from 3.7.0 to 4.6.4 including JRE 21.0.2 (Linux):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Messenger-4.6.4-Linux-patch.zip>

3.2 Download link for AS4 BDEW Config Patch

Only relevant for clients with AS4 BDEW license for German Market Communication Power and Gas.

- Please download the current AS4 BDEW Config Patch:
<https://www.ponton.de/downloads/xp/bdew/AS4-BDEW-Config-Patch-XP460.zip>
- Install the AS4 BDEW Config Patch (see MessengerDocumentation4_6_4.pdf, chapter: AS4-BDEW at a glance)
- Update the partner configuration of all partners to support new or updated schemasets
- Recreate (delete / create new) agreements to update communication settings

3.3 Download link to Messenger Adapter API 1.0

optional Adapter API 1.0 extension:

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-AdapterAPI-4.6.4.zip>

This extension is only needed if an external Adapter is used, which communicates with the Messenger through the Adapter API 1.0.

Installation: Copy the included file pontonxp-adapterapi.jar to <PONTONXP_INSTALL_DIR>/lib and restart the Messenger.

3.4 Download links of Listener version 4.6.4

full distribution 4.6.4 with JRE 21.0.2 (Windows):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Listener-4.6.4-Windows.zip>

full distribution 4.6.4 with JRE 21.0.2 (Linux):

<https://www.ponton.de/downloads/xp/4.6.4/PontonXP-Listener-4.6.4-Linux.zip>

4 Migration

It is absolutely crucial that you ensure that your message queue is empty (no messages in transit) before you update your Messenger.

4.1 Log file issue fix

the installation contains a configuration file that will not be updated by the patch, so this has to be done manually

for the Listener:

- open config/log4j2.xml with a text editor
- replace all occurrences of `maxDepth="0"` with `maxDepth="1"`

for the Messenger:

- open config/log4j2.xml with a text editor
- replace all occurrences of `maxDepth="0"` with `maxDepth="1"`
- replace all occurrences of `DirectWriteRolloverStrategy` with `DefaultRolloverStrategy`
- add a `fileName` attribute in each `<RollingFile>` element.  You can use the `filePattern` attribute as template and remove the date placeholder `"-%d{yyyy-MM-dd}"` and the file ending `".zip"`.

For example:

```
<RollingFile name="messenger" fileName="${sys:LOG_FOLDER:-
data/log}/messenger.log" filePattern="${sys:LOG_FOLDER:-data/log}/messenger-
%d{yyyy-MM-dd}.log.zip">
```

4.2 Database Update (since version 4.6.0)

Since PONTON X/P Messenger 4.6.0 the structure of database is checked on startup and updated, if necessary.

The configured database user needs permissions on the database to create/update/drop tables, sequences, indices and foreign keys.

During "normal" operation mode, these permissions are not required anymore.

During setup of PONTON X/P Messenger a shell-script is installed (**sql/dbupdateTool.bat** (Windows-Batch) or **sql/dbupdateTool** (Linux Bash-Script)). This script can be used to get current structural status of database and run the update manually. This script supports the following command parameters:

Parameter	Description
status	Prints a list of undeployed changesets, which will be deployed during update process.
update	Runs the structural update of database, manually.
updateScript	Generates a native SQL Script, containing all required structural updates for current Messenger DB. This can be executed manually by a database administrator. This is the recommended way to update the database, if the Messenger database user, doesn't have admin rights on the database.
snapshot	Dumps a snapshot of current database structure. This contains a description of all database objects, but no content.
listLocks	List currently locked database objects. This may happen, if a update process fails.

Parameter	Description
releaseLocks	Releases all locked database objects, to rerun update process after failure. This command should NOT be used thoughtless. If structural update of database fails, the case and the current state of database must be analyzed properly to return to a consistent database again.

Example

```
dbupdateTool update
```

4.3 Updating a Messenger version 4.0.0 and later to 4.6.4

1. stop the Messenger
2. extract the patch zip file matching your operating system to the *update/* folder of the Messenger installation.
3. starting the Messenger will apply the patch to the installation.
4. Existing addon- and config-patches will remain unchanged and will continue to work, so no additional action is required.
5. Please hard refresh your browser to clear the cache and download the new PONTON X/P GUI, e.g. for Windows as follows:
 - open the PONTON X/P GUI (default URL: <https://localhost:8443/>)
 - hold down Ctrl and press F5.
6. OPTIONAL: if you are using a stand-alone adapter that uses adapter-API v1.0 then you need to add the library to the */lib/* folder of the Messenger installation

4.4 Updating a Messenger version 3.7.0 - 3.11.x to 4.6.4

1. if there is a config patch installed, make sure to install an updated config patch that is compatible with Messenger version 4.6.4
2. stop the Messenger
3. edit the server.xml file from the config folder and search for `<Service>GUI</Service>`
replace it with `<Service>REST</Service>`
4. if there is a privateagreement.vm file in config/partneragreements/private folder and an EDA config patch is installed
 - a. move the file privateagreement.vm to config/agreementTemplates/EDA_private.vm
 - b. edit the EDA_private.vm and replace `<PrivateCollaborationAgreement>`
with `<PrivateCollaborationAgreement TemplateId="EDA">`
 - c. edit EDA_private.vm and replace `${agreement.partner1}`
with `${agreement.ownPartner.id}`
 - d. edit EDA_private.vm and replace `${agreement.partner2}`

with

```
${agreement.communicationPartner.id}
```

5. extract the patch zip file matching your operating system to the *update/* folder of the Messenger 3.x.x installation.
6. starting the Messenger will apply the patch to the installation.
7. Existing addon- and config-patches will remain unchanged and will continue to work, so no additional action is required.

Please hard refresh your browser to clear the cache and download the new PONTON X/P GUI, e.g. for Windows as follows:

- open the PONTON X/P GUI (default URL: <https://localhost:8443/>)
- hold down *Ctrl* and press *F5*.

4.5 Updating a Messenger version before 3.7.0 to 4.6.4

Unfortunately there is no patch for older Messenger version.

The main reason for this is, that the patch mechanism has been reworked and therefore the patch files are not compatible.

However the configuration of old Messenger version is compatible and can be reused in the current version

A detailed guide for upgrading can be found

here: https://www.ponton.de/downloads/xp/4.6.4/documents/MigrationGuide4_6_4.pdf

Important: If a Listener is used with the Messenger, then the Listener has to be updated as well, so that both versions are the same.

4.6 Updating a Listener version 3.2.x and later to 4.6.4

1. stop the Listener
2. create a backup copy of the current Listener folder
3. delete everything from the current Listener folder
4. extract the Listener distribution zip to the Listener folder
5. copy the config folder of the backup into the Listener folder (overwriting the default files)
6. start the Listener

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