

X/P Messenger 5.0 Migration Guide

Version: 40

Datum: 07-Nov-2025

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1 Migration von 4.6.x auf 5.0.0

Enabling the import of X/P Messenger configuration and archived data from the previous messenger (= 4.6) installation.

i For migrating existing configuration from an earlier messenger version (> 3.1 and < 4.6) please migrate to version 4.6. (see 'Config Migration (older versions) > Messenger Version < 3.1', 'Messenger Version 3.1 - 3.6' and 'Messenger Version 3.7 - 3.11') before migrating further to the latest messenger version.

2 Preparations

2.1 Windows:

1. Ensure your messenger is not processing outgoing or incoming messages currently! You can verify this on your dashboard.
 - a. Stop the old messenger instance (= XP_OLD).
2. Uninstall the messenger Windows Service with the uninstallService.bat script.
3. Unpack the latest messenger PontonXP-.x-Windows.zip instance (= XP_NEW) in a new folder.

2.2 Linux:

1. Ensure your messenger is not processing outgoing or incoming messages currently! You can verify this on your dashboard.
 - a. Stop the old messenger instance (= XP_OLD).
2. Unpack PontonXP-.x-Linux.zip in a new folder (= XP_NEW).
3. Check that the script file 'pontonxp' is executable. If it is not executable change the permissions with "chmod 755 pontonxp".
4. The script file 'pontonxp' needs to be adjusted when the standard autostart mechanism of the operation system is used. There are comments for these parameters in the script file.

3 Steps

1. Copy and replace the following folders or files from the Installation Path of the old messenger (XP_OLD) into the Installation folder of new Messenger (XP_NEW)
 - a. XP_OLD/config
 - b. XP_OLD/data
 - c. XP_OLD/lib_ext
 - d. **Optional:** XP_OLD/addons
 - i. **i** This only applies if you are using specialized configurations such as for EDA, CMS, BDEW etc.
 - e. **Optional:** Externally located Archive and Archive Failed folders
 - i. **i** Please ensure to define the correct paths to your archive in the XP_NEW/config/messenger.xml if you are not using the defaults, which are situated directly under data.
 - f. Create a backup of your current database connected with the messenger.
 - g. Create a backup of the following folders in your filesystem:
 - i. XP_OLD/config

- ii. XP_OLD/data
- h. Define the database as described under Installation Guide > Database Setup > Database connection in the User Guide.
- i. **Optional:** Make necessary adjustments in the following files, if you have made customized changes in them under XP_OLD
 - 1. XP_OLD/launcher/conf/wrapper.conf:

```
# Maximum Java Heap Size (in MB)
wrapper.java.maxmemory=512
# Name of the service
wrapper.ntservice.name=pontonxpmessenger
# Display name of the service
wrapper.ntservice.displayname=Ponton X/P Messenger
```

and put them to the new installation (under XP_NEW\launcher\conf\wrapper.conf):

```
# Maximum Java Heap Size (in MB)
set.MAX_MEMORY=512
# Name of the service
set.NTSERVICE_NAME=pontonxpmessenger
# Display name of the service
set.NTSERVICE_DISPLAYNAME=Ponton X/P Messenger
```

- 2. XP_NEW/config/log4j2.xml

3.1 Windows:

- 1. Finally install and run the Windows Service using the „installService.bat“ script provided under XP_NEW.
 - a.  The duration of this step depends on the data volume of your configuration to be imported into the DB.
- 2. Verify in the log file /data/log/wrapper.log that the startup was successful. You should see a message:

```
Ponton X/P Messenger V xyz is initialized.
```

 A new activation will be required by your messenger.

3.2 Linux:

- 1. Finally run the pontonxp script provided under XP_NEW.
 - a.  The duration of this step depends on the data volume of your configuration to be imported into the DB.
- 2. Verify in the log file /data/log/wrapper.log that the startup was successful. You should see a message:

```
Ponton X/P Messenger V xyz is initialized.
```

 A new activation will be required by your messenger.

3.3 Optional step:

If you are using additional adapters such as:

- Binary Webservice Adapter
- EDA Webservice Adapter
- Other Adapters

Then, you will need to import the respective configurations as described in the section ‘Pluggable Adapter Settings’ in the User Guide.

Especially, while using SSL connection between the messenger and your EDA Webservice Adapter please ensure to include the following in your launcher\conf\wrapper.conf :

```
wrapper.java.additional.<NEXT_ID>=-
Djavax.net.ssl.trustStore=%XP_CONFIG_FOLDER%/keystore
wrapper.java.additional.<NEXT_ID>=-Djavax.net.ssl.trustStorePassword=randomPassword
```

 Please make sure that the XP_OLD/config/keystore file still exists in your messenger installation under XP_NEW/config/keystore.

Furthermore, if you have existing HTTP Adapters please follow these steps:

Set a new HTTP Adapter (as described in the section ‘Http Adapter’ of the User Guide) as per the existing settings from your httpadapter_<port>.properties file.

 Please note it requires a messenger restart for your additional adapter configurations to be effective.

3.4 Database Connection

The Database Connection parameters can be configured via local file (/launcher/conf/wrapper.conf) or as externally set Environment Variables. If environment variable as well as property values are set, then the values from the environment variable will be used by the application. The following variables / properties are available:

wrapper.conf property	Environment Variable	Description	Default Value
set.default.DATABASE_URL=	DATABASE_URL	The JDBC-URL to connect	
set.default.DATABASE_USER=	DATABASE_USER	The user for DB connection	
set.default.DATABASE_PASSWORD=	DATABASE_PASSWORD	The encrypted password of the user for DB connection	
set.default.DATABASE_CONNECTIONS_MIN=	DATABASE_CONNECTIONS_MIN	The minimum	2

wrapper.conf property	Environment Variable	Description	Default Value
		number of DB connections established	
set.default.DATABASE_CONNECTIONS_MAX=	DATABASE_CONNECTIONS_MAX	The maximum number of DB connections established	10
set.default.DATABASE_CONNECTION_TIMEOUT=	DATABASE_CONNECTION_TIMEOUT	The maximum timeout for DB connection (in seconds)	300 (s)
set.default.DATABASE_LOGGING_SQL=	DATABASE_LOGGING_SQL	enable SQL logs (true/false)	false

3.5 Config Migration (older versions)

3.5.1 Messenger Private Agreement

 If the file privateagreement.vm exists in the old installation (see \xmlpipe\config\partneragreement\private\privateagreement.vm) please contact the support team.

3.5.2 Messenger Version < 3.1

Configurations from Messenger Versions older than 3.1 are not compatible with the current version. Please contact our helpdesk to discuss your upgrade path.

3.5.3 Messenger Version 3.1 - 3.6

The configuration files and database content are compatible with the Messenger version 4.6. However there was a change in the directory structure, therefore it is required to copy the old files to the correct folder as listed below:

- Copy and replace the following folders or files from the Installation Path of the old messenger (XP_OLD) into the Installation folder of new Messenger (XP_NEW)
- **Copy the Database Driver** file from the Installation path <XP_OLD>\xmlpipe\lib_ext into Installation path <XP_NEW>\lib_ext
- **Rename** the existing Config folder under Installation path <XP_NEW>\config into **config_NotInUse**
- **Copy the Config folder** from the <Installation path <XP_OLD>\xmlpipe\config into Installation path <XP_NEW>\config
- **Copy the Archive folder** from the <Installation path <XP_OLD>\xmlpipe\archive into Installation path <XP_NEW>\data\archive
- **Copy the Archive_failed** folder from the <Installation path <XP_OLD>\xmlpipe\archive_failed into Installation path <XP_NEW>\data\archive_failed
- **Copy the Hotfolder** folder from the <Installation path <XP_OLD>\xmlpipe\<hotfolder name> into Installation path <XP_NEW>\data\<hotfolder name>
- **edit the server.xml** file in the <XP_NEW>\config folder
 - Adjust the server.xml by changing the two keystore paths at the SSL block to:


```
<SSL>
  <Keystore>$XP_CONFIG_FOLDER/keystore-ssl</Keystore>
  ...
  <ClientAuthKeystore>$XP_CONFIG_FOLDER/keystore-ssl</ClientAuthKeystore>
  ...
</SSL>
```
 - Search for <Service>GUI</Service> and replace it with <Service>REST</Service>
- Stop the old Messenger (XP_OLD)
- Start the new Messenger (XP_NEW)

3.5.4 Messenger Version 3.7 - 3.11

The configuration files and database content are compatible with the Messenger version 4.6. The following folders can be copied as needed :

- Copy and replace the following folders or files from the Installation Path of the old messenger (XP_OLD) into the Installation folder of new Messenger (XP_NEW)
- **Copy the Database Driver** file from the Installation path <XP_OLD>\lib_ext into Installation path <XP_NEW>\lib_ext
- **Rename** the existing Config folder under Installation path <XP_NEW>\config into **config_NotInUse**
- **Copy the Config folder** from the <Installation path <XP_OLD>\config into Installation path <XP_NEW>\config
- **Copy the Archive folder** from the <Installation path <XP_OLD>\data\archive into Installation path <XP_NEW>\data\archive
- **Copy the Archive_failed** folder from the <Installation path <XP_OLD>\data\archive_failed into Installation path <XP_NEW>\data\archive_failed
- **Copy the Hotfolder** folder from the <Installation path <XP_OLD>\data\<hotfolder name> into Installation path <XP_NEW>\data\<hotfolder name>
- **edit the server.xml** file in the <XP_NEW>\config folder
 - Adjust the server.xml by changing the two keystore paths at the SSL block to:

■

```
<SSL>
  <Keystore>$XP_CONFIG_FOLDER/keystore-ssl</Keystore>
  ...
  <ClientAuthKeystore>$XP_CONFIG_FOLDER/keystore-ssl</ClientAuthKeystore>
  ...
</SSL>
```

- Search for <Service>GUI</Service> and replace it with <Service>REST</Service>
- Stop the old Messenger (XP_OLD)
- Start the new Messenger (XP_NEW)

3.5.5 Messenger Version 4.0 and upto 4.5

The configuration files and database content are compatible with the Messenger version 4.6. The following folders can be copied as needed :

- Copy and replace the following folders or files from the Installation Path of the old messenger (XP_OLD) into the Installation folder of new Messenger (XP_NEW)
- **Copy the Database Driver** file from the Installation path <XP_OLD>\lib_ext into Installation path <XP_NEW>\lib_ext
- **Rename** the existing Config folder under Installation path <XP_NEW>\config into **config_NotInUse**
- **Copy the Config folder** from the <Installation path <XP_OLD>\config into Installation path <XP_NEW>\config
- **Copy the Archive folder** from the <Installation path <XP_OLD>\data\archive into Installation path <XP_NEW>\data\archive
- **Copy the Archive failed** folder from the <Installation path <XP_OLD>\data\archive_failed into Installation path <XP_NEW>\data\archive_failed
- **Copy the Hotfolder** folder from the <Installation path <XP_OLD>\data\<hotfolder name> into Installation path <XP_NEW>\data\<hotfolder name>
- Stop the old Messenger (XP_OLD)
- Start the new Messenger (XP_NEW)

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