

# Migrating EntireX Data from Earlier Versions

This chapter describes how to migrate an earlier version of EntireX to version 9.7 under UNIX or Windows. EntireX version 9.7 can only be installed in parallel to an existing EntireX version. In this scenario you can migrate user data from one installation to the other easily, using the steps described here. The information applies to both UNIX and Windows systems; any differences are described explicitly.

This chapter covers the following topics:

- Migrating EntireX Broker Data
- Migrating Authorization Rules
- Migrating RPC Servers
- Migrating Web Services
- Migrating XML/SOAP Components
- Eclipse Workbench Considerations

## Note:

In this chapter, *source* refers to an earlier EntireX installation, and *target* refers to the current EntireX version 9.7.

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## Migrating EntireX Broker Data

The broker attribute files are located at `<inst_dir>/EntireX/config/etb`. Follow the steps below to migrate broker data from one installation to the other:

### ➤ To migrate broker data

1. Stop all running EntireX brokers in both the source and target installations. EntireX brokers from other installations and platforms are not affected.
2. Stop all running RPC Servers that are registered to EntireX brokers in source or target installations. This also includes remote RPC servers or RPC servers from other EntireX installations if these RPC servers are registered with the brokers to be shut down.
3. Stop the Broker Administration Service/Daemon.
  - **Under UNIX:**  
Stop the UNIX broker admin service, using the script

```
EntireX/bin/sagnetbsrv
```

where *n* is a number in both installations, e.g. "sag2etbsrv stop".

- **Under Windows:**

From the Control Panel in both installations, choose **Administration > Services > Stop Software AG EntireX Broker Admin Service**

**Note:**

The first installation does not have a number to identify it. The second and subsequent installations are appended with (2), (3) etc.

4. Copy all relevant directories of defined brokers from source to target installation. These directories - one for each broker - are located under `<inst_dir>/EntireX/config/etb`.

**Note:**

Copy the complete directories, not just the attribute files.

5. Check the broker attribute files for path names and adapt them to the target installation.
6. Restart the Broker Administration Service/Daemon.

- **Under UNIX:**

Start the broker admin service for both installations, for example with command

```
sag2etbsrv start
```

- **Under Windows:**

From the Control Panel, restart the Software AG EntireX Broker Service for both installations.

Following the above steps, autostart settings and user credentials are not migrated. Apply these manually in the new installation. When you restart the Broker Administration service, all brokers will be shown. Readjust the autostart settings and user credentials, using System Management Hub.

You do not need to move Broker definitions (attribute file etc.) that are stored outside the EntireX installation directory. Simply make sure when you start a broker stored externally that the broker executable from version 9.7 is used. This may apply to your scripts or when you start a broker manually.

## Migrating Authorization Rules

Authorization rules cannot be migrated and must be reentered in the new installation. You can readjust them using System Management Hub.

## Migrating RPC Servers

You can migrate manually all RPC servers of the source installation that are visible in System Management Hub and maintained using System Management Hub.

### ➤ To migrate RPC servers

1. Copy the file `<inst_dir>/EntireX/config/rpc.server.properties` from source to target installation.
2. In this file, adapt path names that reference your source installation to your target installation.

Paths of RPC servers other than the source installation can remain unchanged.

## Migrating Web Services

Please note the following when migrating Web services to a more recent version of EntireX:

- Artifacts such as XMM or AAR files can be reused without regeneration.
- Make sure Web Services Stack and EntireX are on the same level.
- Modify your scripts (for example the start script of the XML/SOAP RPC Server) so that they use the new versions of the relevant JAR files of Web Services Stack and EntireX.

## Migrating XML/SOAP Components

This section applies to migrations from EntireX version 8 and above. For EntireX version 7, see *Migrating XML/SOAP Components from EntireX Version 7.n* in the XML/SOAP Wrapper documentation.

This section covers the following topics:

- Migrating XML/SOAP RPC Server
- Migrating XML/SOAP Wrapper
- Migrating XML/SOAP Listener

### Migrating XML/SOAP RPC Server

Update the start script to set the paths to current installation. If the properties file contains a path to the configuration file, you may need to adjust the path. The properties and configuration files can be used as before. See *Configuration File for the XML/SOAP RPC Server* under UNIX | Windows for more information.

### Migrating XML/SOAP Wrapper

Update the start script to set the paths to current installation.

### Migrating XML/SOAP Listener

#### Using the Software AG Web Server based on Apache Tomcat / Software AG Runtime from Software AG Installation

Save your Web services (AAR files) and modified configuration files (i.e. *axis2.xml*). You do not need to re-generate your Web services (AAR files). If the configuration was modified, perform the same modifications for the new installation and restart Software AG Web Server. Redeploy the web services (AAR files).

**Note:**

The new installation will use another port by default, which means that the Web clients need to be adjusted.

### Using another Web Server

Save your Web services (AAR files) and modified configuration files (i.e. *axis2.xml*). You do not need to re-generate your Web services (AAR files). For deployment of file *wsstack.war* and copying file *entirex.jar* to Web Services Stack, see the separate Web Services Stack documentation, also available under <http://documentation.softwareag.com> > *webMethods Product Line* > *Shared Services*.

If configuration was modified, perform the same modifications for new installation and restart the Web server. Redeploy the Web services (AAR files).

## Eclipse Workbench Considerations

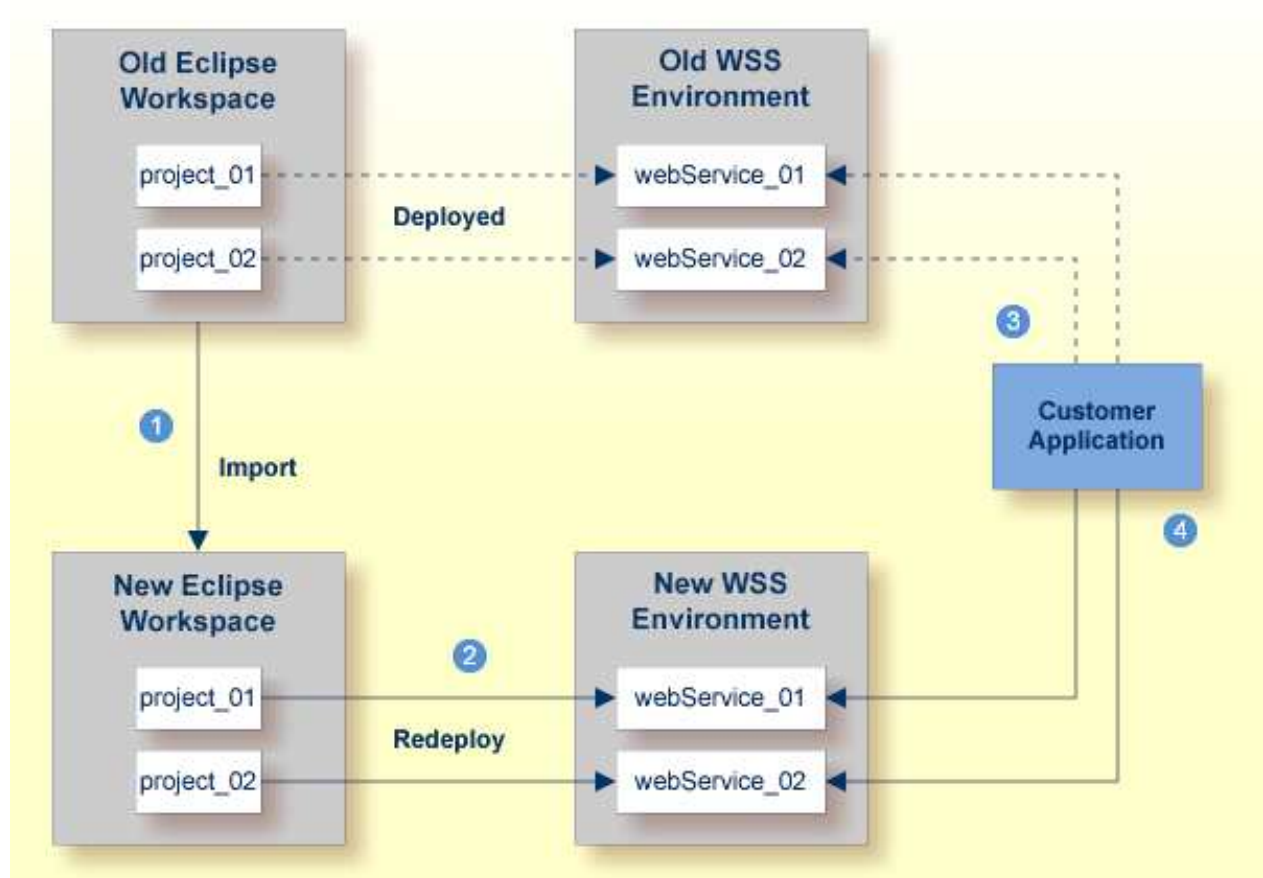
EntireX Workbench is part of the Eclipse-based Software AG Designer.

We recommend you import existing projects into a new workspace of your target installation. We do not recommend reusing an existing Eclipse workspace. This may damage data or result in strange behavior.

This section describes how to import the projects of Software AG Designer from an earlier version into the workspace of the new Software AG Designer 9.7, then redeploy the Web services to the new Web Services Stack 9.7. It covers the following topics:

- Overview
- Migrating your Preferences (Optional)
- Migrating Projects to Software AG Designer 9.7.0
- Redeploying Web Services

### Overview



Notes:

1. We recommend importing your old Eclipse workspace when you install Software AG Designer version 9.7. See also <http://documentation.softwareag.com> > *Upgrading webMethods Products > Migrate Designer Projects*.
2. We recommend you redeploy your Web services to the new Web Services Stack environment.
3. Existing applications can continue to use web Services in an old Web Services Stack environment.
4. However, if you wish to access the redeployed web Services in the new 9.7 Web Services Stack environment, your existing applications must be modified accordingly.

## Migrating your Preferences (Optional)

Before you migrate your old projects, you can optionally migrate your existing preferences to your new 9.7 installation.

### ➤ To migrate the preferences to the new workspace (optional)

1. Open Software AG Designer 9.7 and point to a new 9.7 workspace. Accept the default "workspace97" or specify another one.
2. Export your preferences before upgrading:
  1. Start the old version of Software AG Designer with the old workspace.
  2. Choose **File > Export....** In the **Select** panel, chose **General > Preferences** and click **Next**.
  3. In the **To preference file** field, specify the EPF (Eclipse Process Framework) file to which you want to export your preferences, then click **Finish**.
3. Import these preferences to the new workspace:
  1. Start Software AG Designer 9.7 with the new workspace.
  2. Choose **File > Import....** In the **Select** panel, choose **General > Preferences** and click **Next**.
  3. In the **From preference file** field, specify the EPF file to which you exported your preferences, then click **Finish**.

## Migrating Projects to Software AG Designer 9.7.0

### ➤ To import projects into Software AG Designer 9.7

1. Choose **File > Import....** In the **Select** panel, choose **General > Existing Projects into Workspace** and click **Next**.
2. In the **Import Projects** panel, choose **Select Root Directory** and go to the old workspace. The projects appear in the **Projects** box. Select the projects to import into Software AG Designer 9.7.
3. Choose **Copy projects into workspace** and click **Finish**.

## Redeploying Web Services

### > To redeploy the Web services

1. Select an AAR file and from the context menu choose **Web Services Stack > Deploy Services Package**.
2. Select the correct URL that points to the Web Services Stack 9.7 installation.