

# Using the Integration Server Wrapper

This chapter describes how to use the Integration Server Wrapper.

- Step 1: Start the Integration Server Wrapper Wizard
  - Step 2a: Create a New Integration Server Connection
  - Step 2b: Use an Existing Integration Server Connection
  - Step 3: Select the Connection Type
  - Step 4a: Define Adapter Services for an RPC Connection
  - Step 4b: Define Adapter Services for an RPC Listener or a Reliable RPC Listener
  - Step 5: Finish the Wizard
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## Step 1: Start the Integration Server Wrapper Wizard

### > To start the Integration Server Wrapper wizard

1. In the context menu of a Software AG IDL file, choose **Integration Server > Generate webMethods IS Connection**.

This starts the wizard with a list of existing Integration Server Wrapper connections.

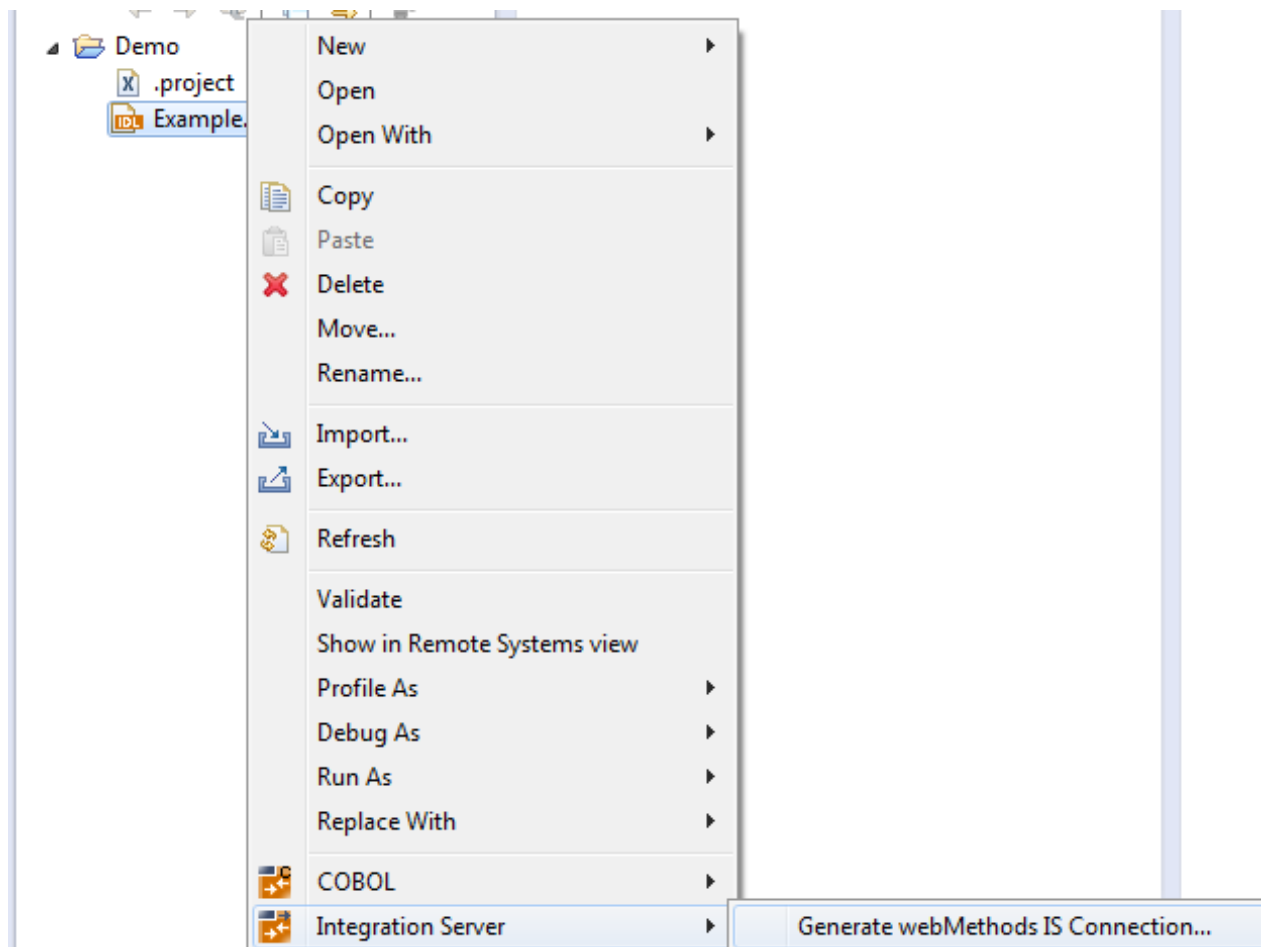
**Note:**

If the selected IDL file is not valid because of a syntax error, an error dialog comes up and the wizard does not start.

2. If you are using the wizard for the first time without any predefined Integration Server connections, continue with *Step 2a: Create a New Integration Server Connection*.

Or:

If *Integration Server Connections* are already defined, or if you want to communicate with an additional Integration Server, continue with *Step 2b: Use an Existing Integration Server Connection*.



## Step 2a: Create a New Integration Server Connection

The screenshot shows a Windows-style dialog box titled "Integration Server Wrapper" with the subtitle "Define New Integration Server Connection". The main text reads: "Add host:port, user and password for a new Integration Server (If no port is specified, the default port 5555 will be used)." Below this are several input fields: "Server:", "User:", and "Password:". There is a checkbox for "Use secure connection" which is currently unchecked. Below it is a field for "Truststore for HTTPS:" with a "Browse..." button. Another checkbox, "Verify host name", is checked. Under the heading "Client Authentication", there are fields for "Keystore:" and "Password:", each with a "Browse..." button. At the bottom of the dialog, there is a help icon (question mark) and four buttons: "< Back", "Next >", "Finish", and "Cancel".

### > To create a new Integration Server connection

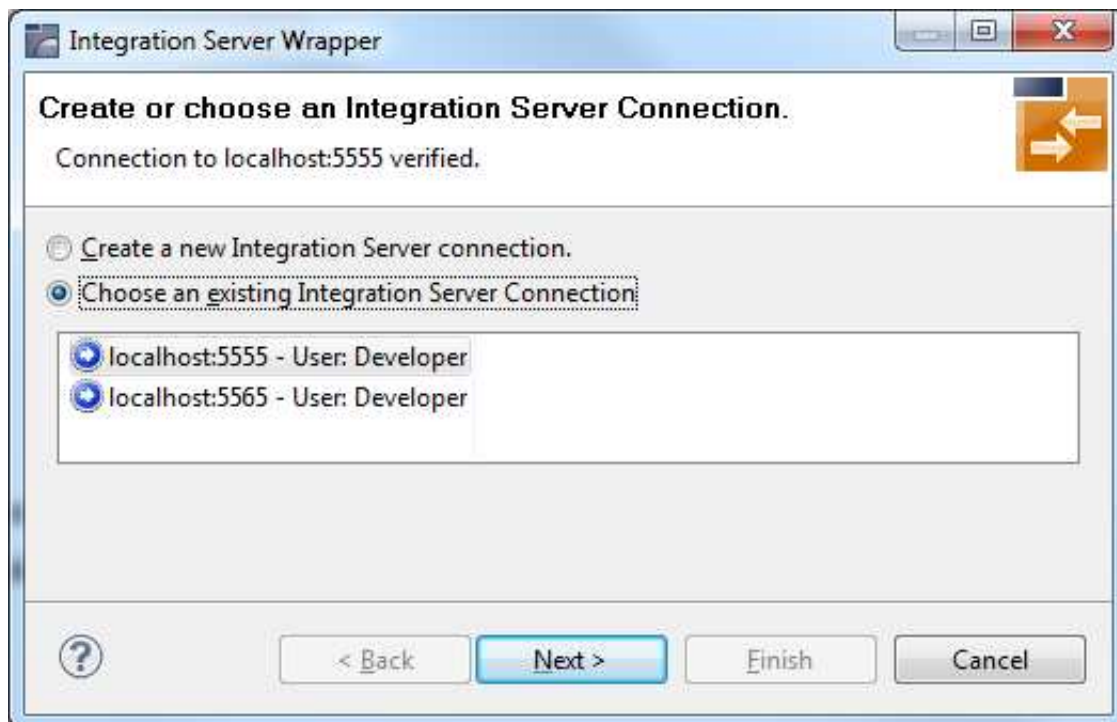
1. Define the new Integration Server connection on the wizard page.

#### Notes:

1. The only required field is **Server**. Enter the hostname of the Integration Server including an optional port number. If no port number is specified, port number defaults to "5555". The **Integration Server Authentication** can be passed with the **User** and **Password** fields.
2. Optional settings are for secure connections. The **Truststore for HTTPS** contains all signed certificates and must be a valid truststore.
3. The check box **Verify host name** checks that the hostname is entered in the stored certificate.
4. When the Integration Server has **Client Authentication** enabled, you can specify your **Keystore** file and keystore **Password**.
5. For managing Integration Server connections, see *Integration Server Preferences*.

2. Choose **Next** and continue with *Step 3: Select the Connection Type*.

## Step 2b: Use an Existing Integration Server Connection



### > To use an existing Integration Server connection

1. Select **Choose an existing Integration Server Connection** and an Integration Server connection from the list.

The selected connection is verified by a ping command. If the response is valid, the **Next** button is enabled. If invalid, an error message is displayed.

2. Continue with *Step 3: Select the Connection Type*.

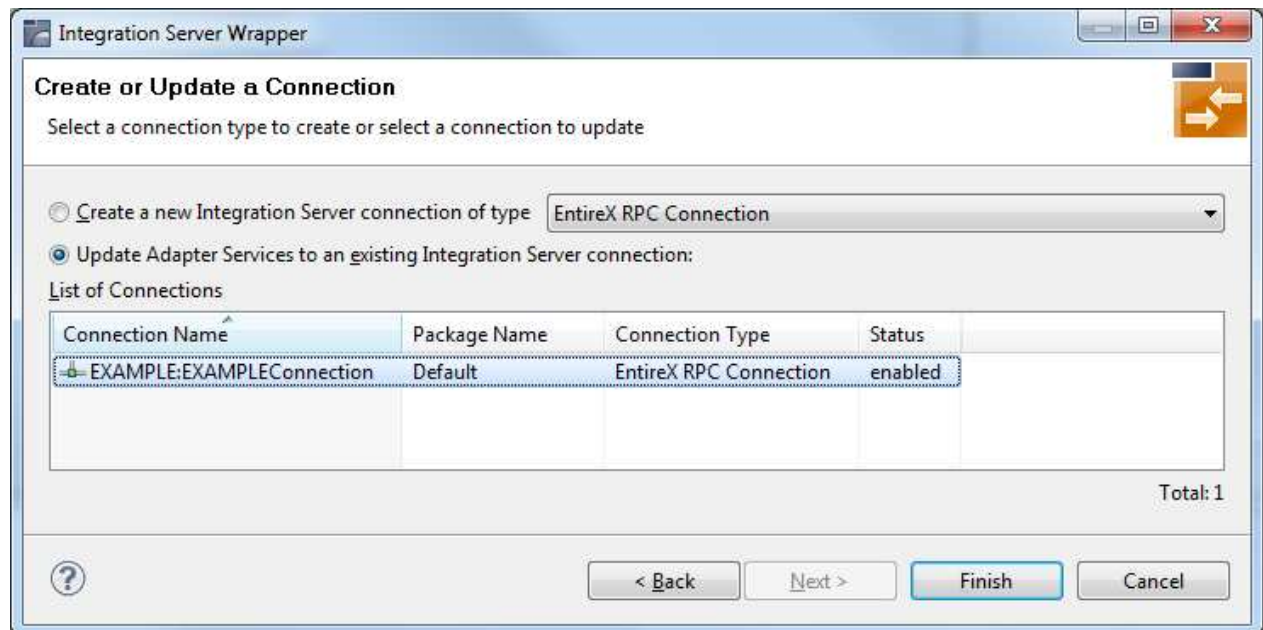
### > To create an additional Integration Server connection

- Select **Create a new Integration Server Connection** and continue with *Step 2a: Create a New Integration Server Connection*.

## Step 3: Select the Connection Type

### Note:

This section describes how to select the connection type for EntireX Adapter version 9.0 or above. For earlier versions, see *Select the Connection Type for EntireX Adapter 8.2 or Below*.



In this step you can either create a new Integration Server connection or update adapter services to an existing Integration Server connection.

### > To create a new connection

1. Select a connection type from the drop down list.
2. Click **Next** and continue with *Step 4a: Define Adapter Services for an RPC Connection*.

Or:

*Step 4b: Define Adapter Services for an RPC Listener or a Reliable RPC Listener*, depending on the selected connection type.

### > To update an existing connection

1. Select a connection from **List of Connections**.

As a result, you are informed on how many adapter services will be created, modified or left unchanged.

The update process can be characterized as follows:

- The metadata is updated for each IDL program.
- An adapter service is created for each new IDL program.

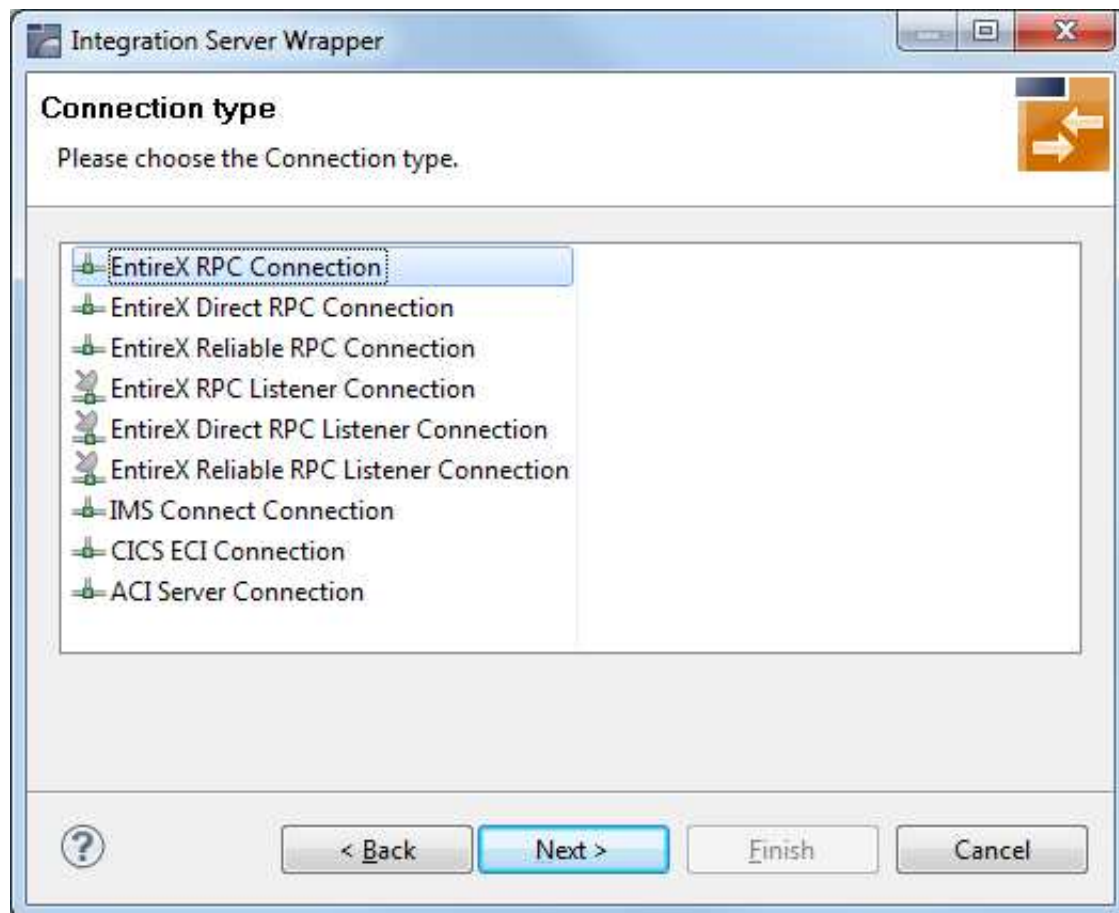
- An existing adapter service is updated if it is contained in the IDL file for the update.
- A connection remains unchanged with respect to its type and settings (broker ID, server address, user ID, etc.).

2. Click **Finish**.

### Example

A connection is created with IDL programs A and B. Later, the update operation uses IDL programs A and C. After the update, the service for A is modified, the service for B is unchanged, and the service for C is new.

### Select the Connection Type for EntireX Adapter 8.2 or Below



#### > To select a connection type for EntireX Adapter 8.2 or below

1. Select a **Connection type** from the list of available types.

#### Notes:

1. Some connection types require a license.
2. The connection types for **Reliable RPC** require an IDL file with **IN** parameters only. If the selected IDL file contains **OUT** parameters, the connection types for **Reliable RPC** are not available.

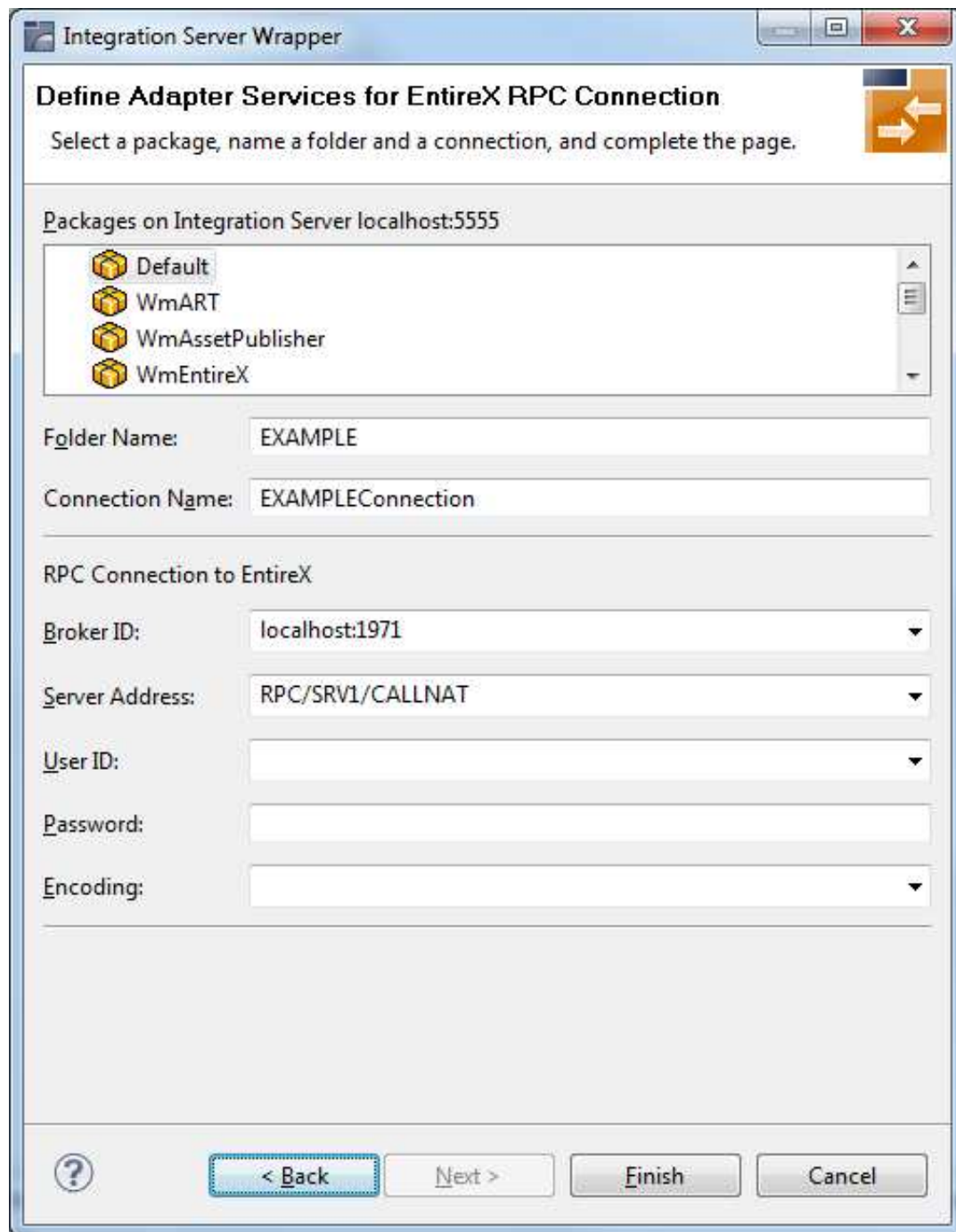
3. Listeners can be generated only for connection types **RPC**, **Direct RPC** and **Reliable RPC**.
2. Click **Next** and continue with *Step 4a: Define Adapter Services for an RPC Connection*.

Or:

*Step 4b: Define Adapter Services for an RPC Listener or a Reliable RPC Listener*, depending on the selected connection type.



## Step 4a: Define Adapter Services for an RPC Connection



The screenshot shows a dialog box titled "Integration Server Wrapper" with the subtitle "Define Adapter Services for EntireX RPC Connection". The main instruction reads: "Select a package, name a folder and a connection, and complete the page." Below this, there is a list of packages available on the integration server at localhost:5555: "Default", "WmART", "WmAssetPublisher", and "WmEntireX". The "Folder Name" is set to "EXAMPLE" and the "Connection Name" is "EXAMPLEConnection". Under the "RPC Connection to EntireX" section, the "Broker ID" is "localhost:1971", the "Server Address" is "RPC/SRV1/CALLNAT", and the "User ID", "Password", and "Encoding" fields are empty. At the bottom, there are buttons for "?", "< Back", "Next >", "Finish", and "Cancel".

### ➤ To create a connection and related adapter services

1. Select a package for the created objects.
2. Define a folder name. If the folder does not exist, it will be created.

3. Define a connection name.
4. Define the parameters of the connection type. For details, see the EntireX Adapter documentation under <http://documentation.softwareag.com> > *webMethods Product Line*.

As a result, the folder will contain the connection and the adapter services (one for each IDL program). The name of a service is the same as the respective IDL program.

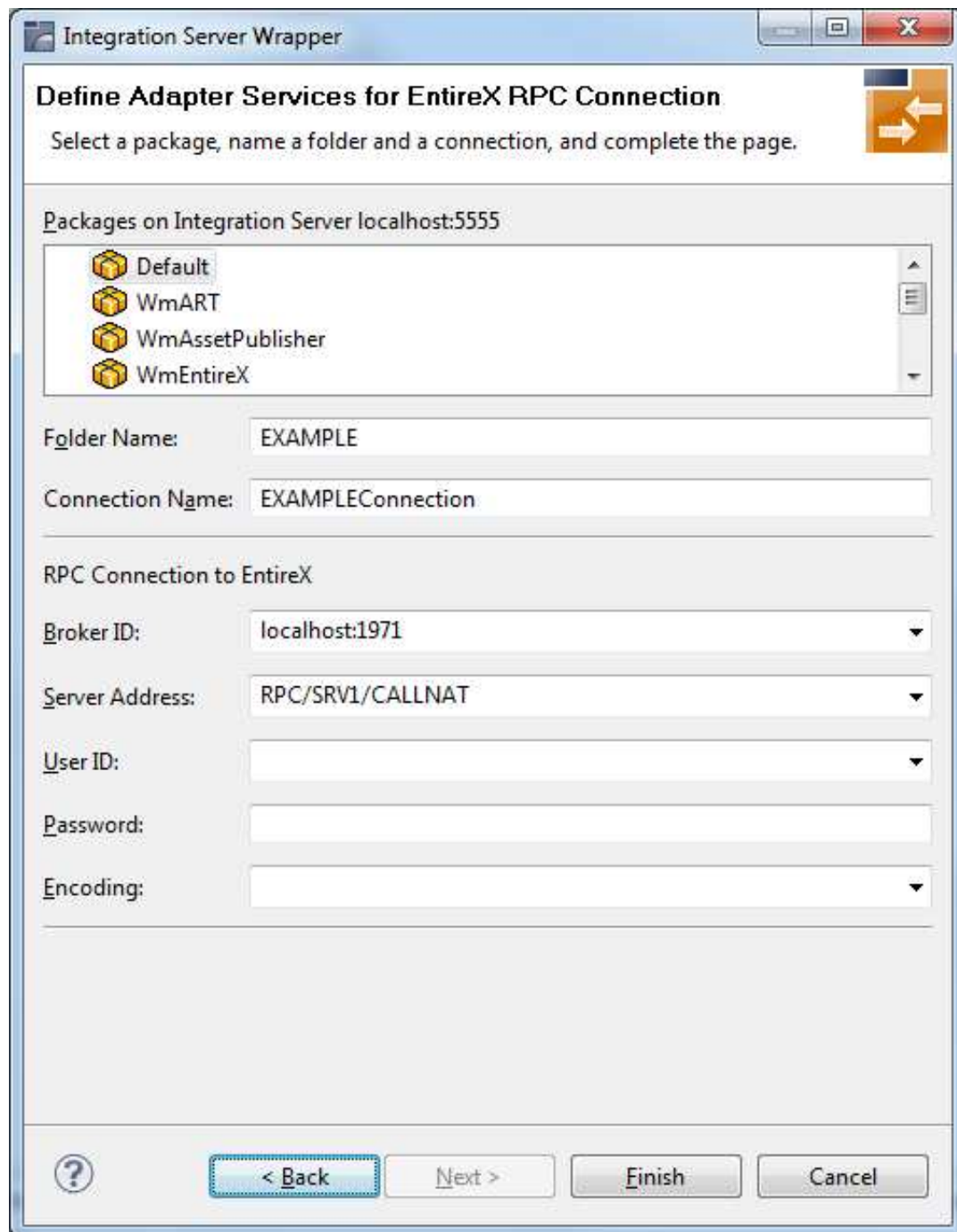
The default settings for new RPC adapter services are:

- the **Default** package; if not available, the first package
- the IDL library name for the **Folder Name**
- the IDL library name with the suffix "Connection" for the **Connection Name**

#### Notes:

1. The check box **Overwrite existing Objects in Integration Server** is useful for re-generating objects created previously. However, you cannot overwrite an RPC Listener Connection or a reliable RPC Listener Connection with a connection of a different type. If the connection is deleted with the Adapter Administration UI, it is not possible to overwrite the objects. In this case, you have to delete the adapter services in the Designer.
2. When creating a connection, a package dependency is added such that the selected package depends on webMethods EntireX (the package `WmEntireX`) with the version currently used.

## Step 4b: Define Adapter Services for an RPC Listener or a Reliable RPC Listener



The screenshot shows the 'Integration Server Wrapper' dialog box with the title 'Define Adapter Services for EntireX RPC Connection'. The dialog contains the following fields and options:

- Package Selection:** A list box titled 'Packages on Integration Server localhost:5555' containing 'Default', 'WmART', 'WmAssetPublisher', and 'WmEntireX'. 'Default' is selected.
- Folder Name:** A text input field containing 'EXAMPLE'.
- Connection Name:** A text input field containing 'EXAMPLEConnection'.
- RPC Connection to EntireX:**
  - Broker ID:** A dropdown menu with 'localhost:1971' selected.
  - Server Address:** A dropdown menu with 'RPC/SRV1/CALLNAT' selected.
  - User ID:** An empty text input field.
  - Password:** An empty text input field.
  - Encoding:** An empty dropdown menu.
- Navigation:** A '?' icon, a '< Back' button (highlighted with a blue border), a 'Next >' button, a 'Finish' button, and a 'Cancel' button.

### > To create a connection and related adapter services

1. Select a package for the created objects.
2. Define a folder name. If the folder does not exist, it will be created.

3. Define a connection name.
4. Define the parameters of the connection type. For details, see the EntireX Adapter documentation under <http://documentation.softwareag.com> > *webMethods Product Line*.

As a result, the folder will contain the connection and the adapter services (one for each IDL program). The name of a service is the same as the respective IDL program.

The default settings for new RPC adapter services are:

- the **Default** package; if not available, the first package
- the IDL library name for the **Folder Name**
- the IDL library name with the suffix "Connection" for the **Connection Name**

#### Notes:

1. The check box **Overwrite existing Objects in Integration Server** is useful for re-generating objects created previously. However, you cannot overwrite an RPC Listener Connection or a reliable RPC Listener Connection with a connection of a different type. If the connection is deleted with the Adapter Administration UI, it is not possible to overwrite the objects. In this case, you have to delete the adapter services in the Designer.
2. When creating a connection, a package dependency is added such that the selected package depends on webMethods EntireX (the package `WmEntireX`) with the version currently used.

## Step 5: Finish the Wizard

### > To finish the Wizard

- Choose **Finish**.

As a result, the folder contains multiple objects as listed under the corresponding step.

**Note:**

See *Mapping Software AG IDL to Integration Server Data Types*.