webMethods EntireX

EntireX RPC Servers and Listeners

Version 10.8

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WEBMETHODS

This document applies to webMethods EntireX Version 10.8 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
`Monospace font`	Identifies service names and locations in the format *`folder.subfolder.service`*, APIs, Java classes, methods, properties.
`Italic`	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
`Monospace font`	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
|	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the | symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Product Documentation

You can find the product documentation on our documentation website at **https://documentation.softwareag.com**.

In addition, you can also access the cloud product documentation via **https://www.softwareag.cloud**. Navigate to the desired product and then, depending on your solution, go to “Developer Center”, “User Center” or “Documentation”.

Product Training

You can find helpful product training material on our Learning Portal at **https://knowledge.softwareag.com**.

Tech Community

You can collaborate with Software AG experts on our Tech Community website at **https://tech-community.softwareag.com**. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software AG news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories at **https://github.com/softwareag** and **https://hub.docker.com/publishers/softwareag** and discover additional Software AG resources.

Product Support

Support for Software AG products is provided to licensed customers via our Empower Portal at **https://empower.softwareag.com**. Many services on this portal require that you have an account. If you do not yet have one, you can request it at **https://empower.softwareag.com/register**. Once you have an account, you can, for example:

- Download products, updates and fixes.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

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EntireX RPC Servers

This section lists EntireX RPC server components. They can be accessed by RPC clients. For Natural RPC servers, see your Natural documentation.

EntireX RPC Server	z/OS	UNIX	Windows	BS2000
RPC Server for XML/SOAP	x (1)	x	x	
RPC Server for CICS ECI	x (1)	x	x	
RPC Server for CICS Socket Listener	x (1)	x	x	
RPC Server for IMS Connect	x (1)	x	x	
RPC Server for Java	x (1)	x	x	
RPC Server for IBM MQ	x (1)	x	x	
RPC-ACI Bridge	x (1)	x	x	
RPC Server for AS/400		x	x	
RPC Server for C		x	x	
RPC Server for .NET			x	
RPC Server for CICS	x			
RPC Server for Batch	x			x
RPC Server for IMS	x			

Notes:

1. z/OS UNIX. The component is included in a TAR file in the z/OS installation kit. See *Installing EntireX Java Components under z/OS UNIX* in the z/OS Installation documentation.

EntireX Listeners

This section lists EntireX listener components. They extend access to RPC servers for clients that are not RPC-based.

EntireX Listener	z/OS	UNIX	Windows	BS2000
Listener for XML/SOAP	x (1)	x	x	
Listener for IBM MQ	x (1)	x	x	

Notes:

1. z/OS UNIX. The component is included in a TAR file in the z/OS installation kit. See *Installing EntireX Java Components under z/OS UNIX* in the z/OS Installation documentation.

Introduction to RPC Server and Listener Technology

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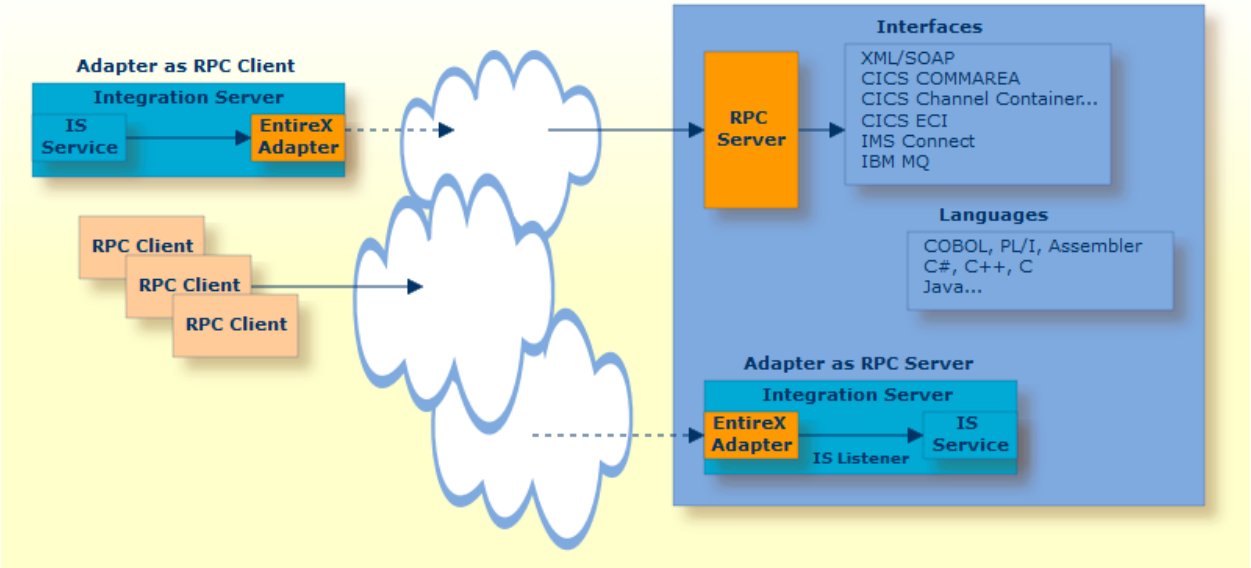
EntireX RPC Servers

RPC servers are important components of EntireX *RPC Technology*. They are accessed by RPC clients.

The *EntireX Adapter* is fully integrated into the RPC technology. Through an Integration Server service, the adapter works as an RPC client. Using an Integration Server listener, it acts as an RPC server calling an IS service. This means that every endpoint supported by EntireX can be accessed from Integration Server.

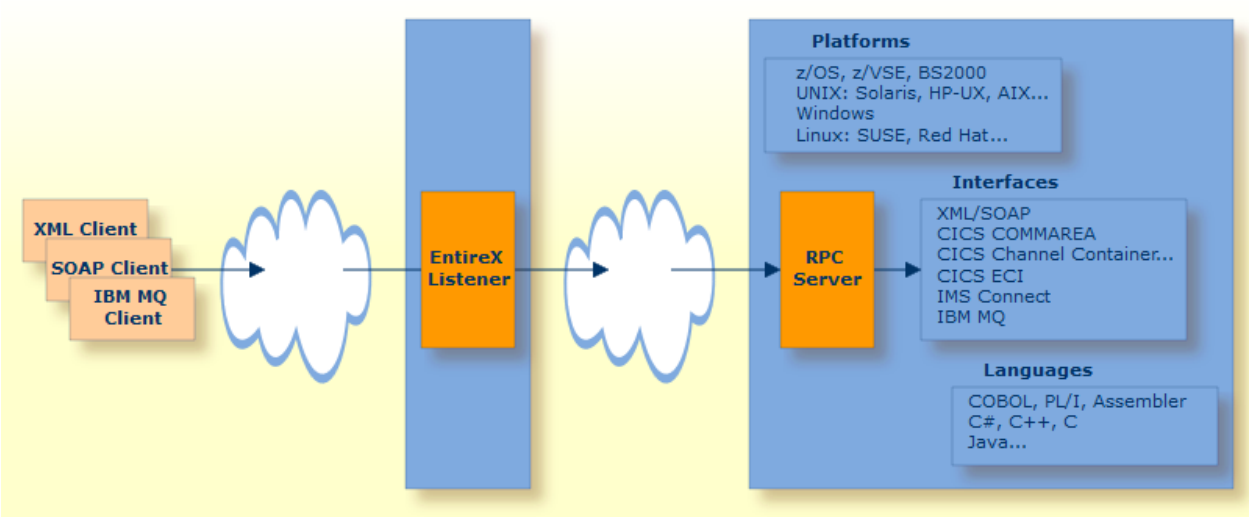


An RPC server calls the requested server implementation. The Designer tool you choose depends on your scenario. For example:

- to extract existing server implementations, use an IDL Extractor (COBOL | Integration Server | PL/I | WSDL | XML Document | XML Schema)
- to generate a new server implementation, use an EntireX Wrapper (C | COBOL | DCOM | .NET | Java | PL/I | XML/SOAP)
- the RPC-ACI Bridge calls the server implemented using *ACI-based Programming*

EntireX Listeners

Listener components connect clients that are not RPC-based (XML/SOAP, IBM MQ, etc.) to an RPC server. See *EntireX RPC Servers*.



EntireX listeners are components listening on a port using a protocol other than RPC. Incoming requests on the non-RPC listening port are forwarded to an RPC server (see *EntireX RPC Servers*) using *RPC Technology*. In this way, an EntireX listener extends the access to RPC servers for clients that are not RPC-based, such as IBM MQ, XML/SOAP, etc. The Designer tool you choose depends on your scenario. For example:

- to extract from an existing interface, use an IDL Extractor (WSDL | XML Document | XML Schema)
- to expand an existing server implementation where you have a Software AG IDL file, use the *XML/SOAP Wrapper*
- etc.