

# **webMethods EntireX**

## **EntireX RPC Servers and Listeners**

Version 10.1

October 2017

This document applies to webMethods EntireX Version 10.1 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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## Table of Contents

1 About this Documentation .....	1
Document Conventions .....	2
Online Information and Support .....	2
Data Protection .....	3
2 EntireX RPC Servers and Listeners .....	5
EntireX RPC Servers .....	6
EntireX Listeners .....	6
Introduction to RPC Server and Listener Technology .....	7



# 1 About this Documentation

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▪ Document Conventions .....	2
▪ Online Information and Support .....	2
▪ Data Protection .....	3

## Document Conventions

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Convention	Description
<b>Bold</b>	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	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

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- Access articles, code samples, demos, and tutorials.
- Use the online discussion forums, moderated by Software AG professionals, to ask questions, discuss best practices, and learn how other customers are using Software AG technology.
- Link to external websites that discuss open standards and web technology.

## **Data Protection**

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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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# 2 EntireX RPC Servers and Listeners

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- EntireX RPC Servers ..... 6
- EntireX Listeners ..... 6
- Introduction to RPC Server and Listener Technology ..... 7

## 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	z/VSE	BS2000
RPC Server for XML/SOAP	x <sup>(1)</sup>	x	x		
RPC Server for CICS ECI	x <sup>(1)</sup>	x	x		
RPC Server for IMS Connect	x <sup>(1)</sup>	x	x		
RPC Server for Java	x <sup>(1)</sup>	x	x		
RPC Server for IBM MQ	x <sup>(1)</sup>	x	x		
RPC-ACI Bridge	x <sup>(1)</sup>	x	x		
RPC Server for AS/400		x	x		
RPC Server for Micro Focus		x	x		
RPC Server for C		x	x		
RPC Server for .NET			x		
RPC Server for CICS	x			x	
RPC Server for Batch	x			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	z/VSE	BS2000
Listener for XML/SOAP	x <sup>(1)</sup>	x	x		
Listener for IBM MQ	x <sup>(1)</sup>	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.

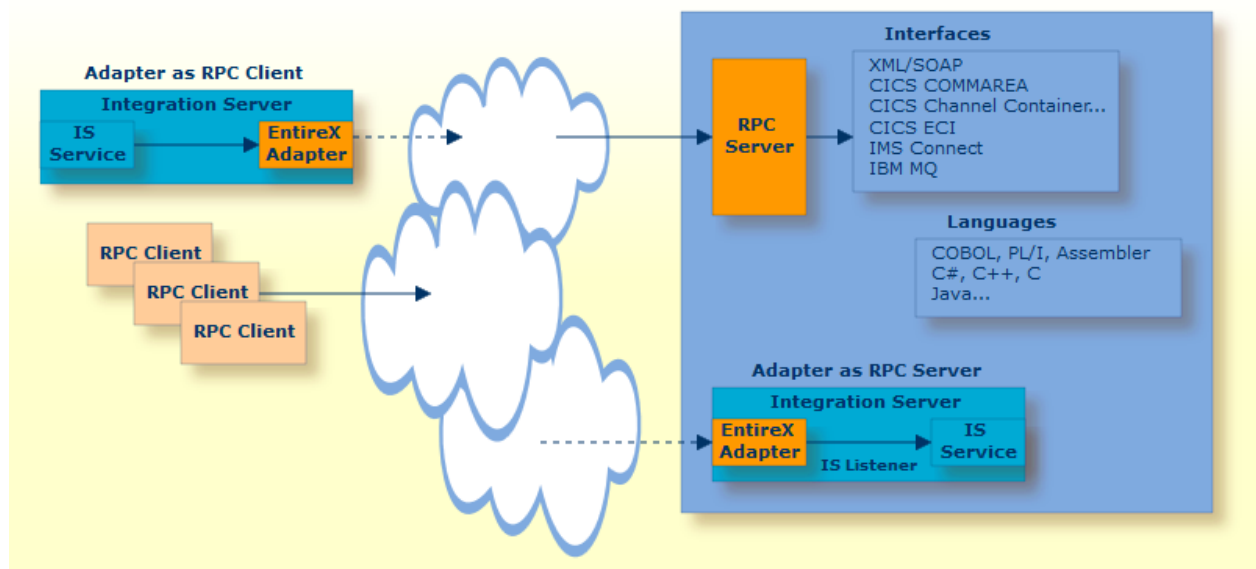
## Introduction to RPC Server and Listener Technology

- EntireX RPC Servers
- EntireX Listeners

### 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.

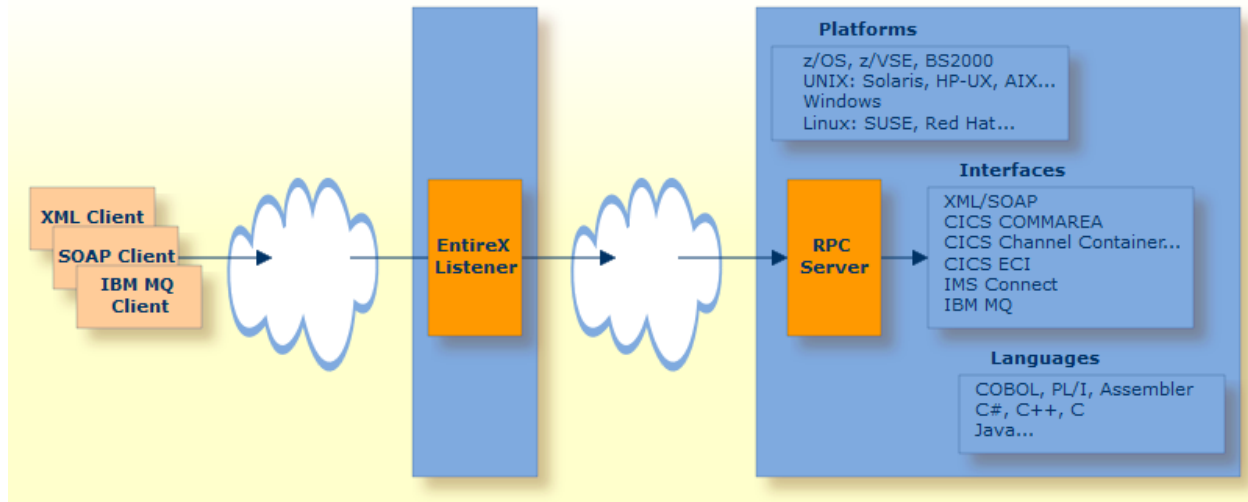


An RPC server calls the requested server implementation. The *EntireX Workbench* tool you choose depends on your scenario. For example:

- 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 Software AG 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.