

# **webMethods EntireX**

## **EntireX and REST**

Version 10.9

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This document applies to webMethods EntireX Version 10.9 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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## 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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### Product Documentation

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

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- 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

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- 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

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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.





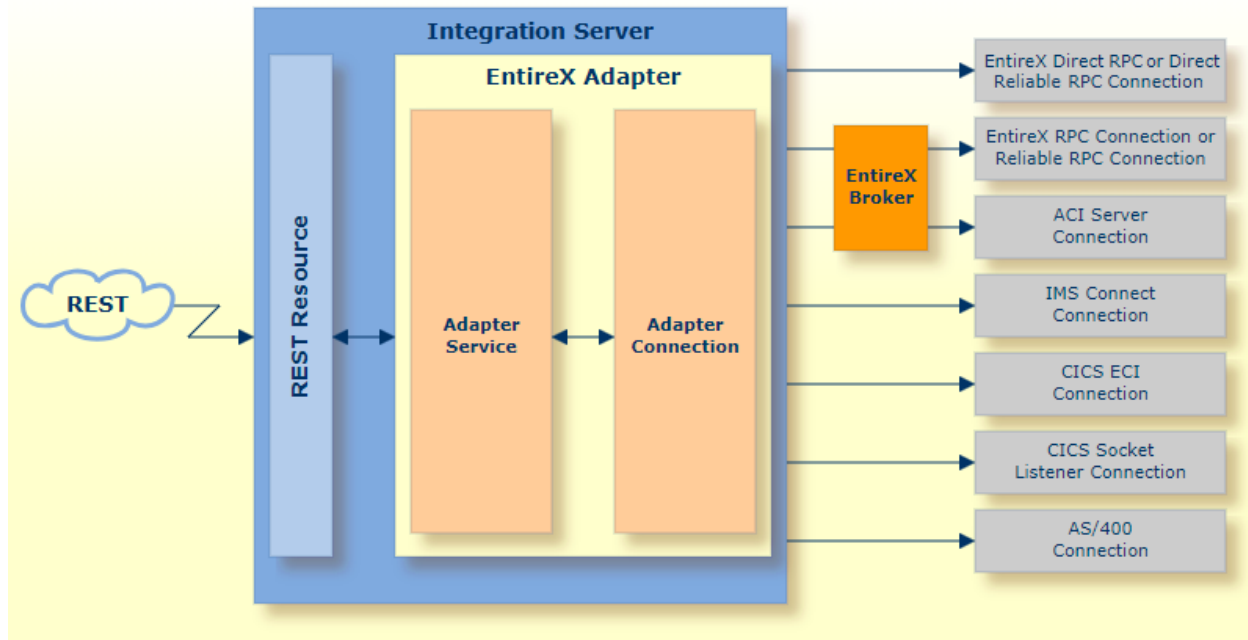
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With the EntireX Adapter you can offer an RPC server - for example a COBOL or Natural RPC server - as a REST resource. A typical starting point is an IDL file, which describes the interface to the RPC server. To create an IDL file, use an IDL extractor (COBOL | Natural) to extract it from the RPC server; creating a REST resource from this IDL file is described in the Integration Server Wrapper documentation (*Step 4b: Create or Update a REST Resource*). You will find the generated REST resource using the **Service Development** perspective of the Designer.

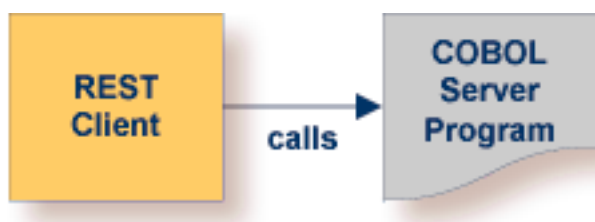
See Related Literature and scenarios described below for more information.



The following scenarios are currently supported:

## COBOL Scenarios

### Calling your COBOL Programs from your REST Client



"I have a COBOL server program and want to call this from a REST client."

Use the IDL Extractor for COBOL to create an IDL file, and use the Integration Server Wrapper to generate your REST resource from this file.

## Calling the REST API from a COBOL Application



"I have a REST API and want to call this from a COBOL application."

Use the Integration Server to create a REST API descriptor, then the IDL Extractor for Integration Server to generate Integration Server connections and listeners. Then use the COBOL Wrapper to generate client interface objects and build a COBOL client application.

## Natural Scenarios

### Calling your Natural Subprograms from your REST Client



"I have a Natural server subprogram and want to call this from a REST client."

Use the IDL Extractor for Natural to create an IDL file, and use the Integration Server Wrapper to generate your REST resource from this file.

### Calling the REST API from a Natural Application



"I have a REST API and want to call this from a Natural application."

Use the Integration Server to create a REST API descriptor, then the IDL Extractor for Integration Server to generate Integration Server connections and listeners. Then use the Natural Wrapper to generate client interface objects and build a Natural client application.

