

## **webMethods EntireX**

### **Calling COBOL from a Web Service**

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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## About this Documentation

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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>.

In addition, you can also access the cloud product documentation via <https://www.software-ag.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

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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.





## 2      Calling COBOL from a Web Service

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Scenario: “I have a COBOL server program and want to call this from a web service client.”

This scenario uses the tools IDL Extractor for COBOL and Web Services Wrapper of the Designer.



Solution: Take an existing COBOL server program ❶ and generate the integration logic ❷ to call it from a web service client ❸, as shown below.



- ❶ Extract the interface of the COBOL server program. See *Using the IDL Extractor for COBOL - Overview*.
- ❷ Generate web service client objects. See *Using the EntireX Web Services Wrapper*.
- ❸ Execute the call from web service client to COBOL server program.

## What do I need to Install for this Scenario?

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- You have Software AG Designer installed with EntireX plugins and Service Development plugins.
  - For EntireX plugins, see *Designer > EntireX Designer* under *EntireX Installation Packages* in the General Installation documentation.
  - For Service Development plugins, refer to the Integration Server documentation.
- You have an EntireX Listener for XML/SOAP installed, either
  - in installation package *EntireX Core Files*, plus package *EntireX WebService* deployed in Software AG Runtime, or
  - as part of a complete EntireX installation

- You have an EntireX RPC Server for COBOL server installed.
  - For Linux and Windows, see *EntireX Core Files* under *EntireX Installation Packages* in the General Installation documentation.
  - For z/OS, see *Installing the EntireX RPC Server* for CICS | Batch | IMS in the z/OS Installation documentation.
- You have an EntireX Broker installed.
  - For Linux and Windows, see *EntireX Broker* under *EntireX Installation Packages* in the General Installation documentation.
  - For z/OS, see *Installing EntireX Broker under z/OS* in the z/OS Installation documentation.

