

webMethods EntireX

Calling a Web Service from COBOL

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

Convention	Description
Bold	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

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

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

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



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



- ❶ Extract WSDL from web service. See *Using the IDL Extractor for WSDL*.
- ❷ Generate objects for COBOL client application. See *COBOL Wrapper*.
- ❸ Execute call from COBOL client to web service.

What do I need to Install for this Scenario?

- 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 RPC Server 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

- On the machine where the COBOL client program is executed, you have the Broker stubs installed. See *Administering Broker Stubs* in the platform-specific Administration 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.

