

webMethods EntireX

Common Integration Scenarios

Version 10.9

April 2023

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.

Copyright © 1997-2023 Software AG, Darmstadt, Germany and/or Software AG USA, Inc., Reston, VA, USA, and/or its subsidiaries and/or its affiliates and/or their licensors.

The name Software AG and all Software AG product names are either trademarks or registered trademarks of Software AG and/or Software AG USA, Inc. and/or its subsidiaries and/or its affiliates and/or their licensors. Other company and product names mentioned herein may be trademarks of their respective owners.

Detailed information on trademarks and patents owned by Software AG and/or its subsidiaries is located at <http://softwareag.com/licenses>.

Use of this software is subject to adherence to Software AG's licensing conditions and terms. These terms are part of the product documentation, located at <http://softwareag.com/licenses/> and/or in the root installation directory of the licensed product(s).

This software may include portions of third-party products. For third-party copyright notices, license terms, additional rights or restrictions, please refer to "License Texts, Copyright Notices and Disclaimers of Third-Party Products". For certain specific third-party license restrictions, please refer to section E of the Legal Notices available under "License Terms and Conditions for Use of Software AG Products / Copyright and Trademark Notices of Software AG Products". These documents are part of the product documentation, located at <http://softwareag.com/licenses> and/or in the root installation directory of the licensed product(s).

Use, reproduction, transfer, publication or disclosure is prohibited except as specifically provided for in your License Agreement with Software AG.

Document ID: EXX-EEXXSCENARIOS-109-20230403

Table of Contents

Common Integration Scenarios	v
1 About this Documentation	1
Document Conventions	2
Online Information and Support	2
Data Protection	3
2 Overview of Scenarios	5
COBOL	6
Natural	7
Integration Server	8
Web Services	9
REST	10
3 Connecting COBOL	13
4 Connecting Natural	15
5 Connecting Integration Server	17
6 Connecting Web Services	19
7 REST Scenarios	21

Common Integration Scenarios

COBOL

I want to connect COBOL.

Natural

I want to connect Natural.

**Integration
Server**

I want to connect Integration Server.

**Web
Services**

I want to connect Web Services.

REST

I want to connect REST resources.

See also [Overview of Scenarios](#) described in this document.

1

About this Documentation

■ Document Conventions	2
■ Online Information and Support	2
■ Data Protection	3

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <code>folder.subfolder.service</code> , 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.

2 Overview of Scenarios

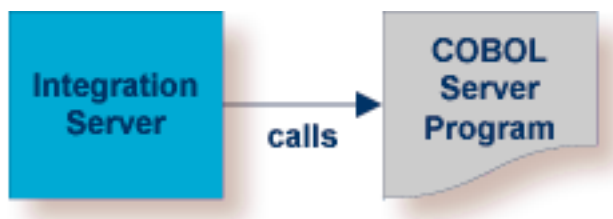
■ COBOL	6
■ Natural	7
■ Integration Server	8
■ Web Services	9
■ REST	10

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

COBOL

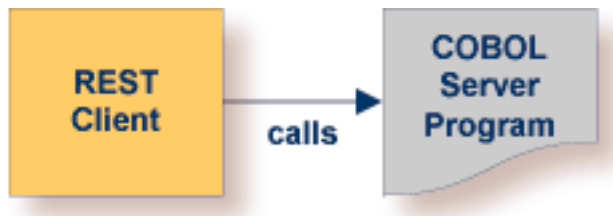
Calling your COBOL Server Programs



I have a COBOL server program and want to call this from the Integration Server.

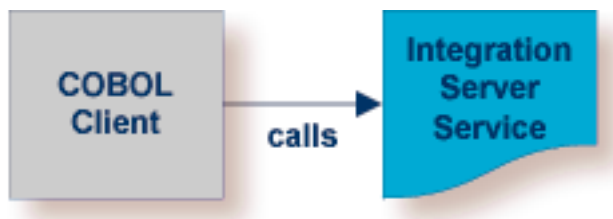


I have a COBOL server program and want to call this from a web service client.

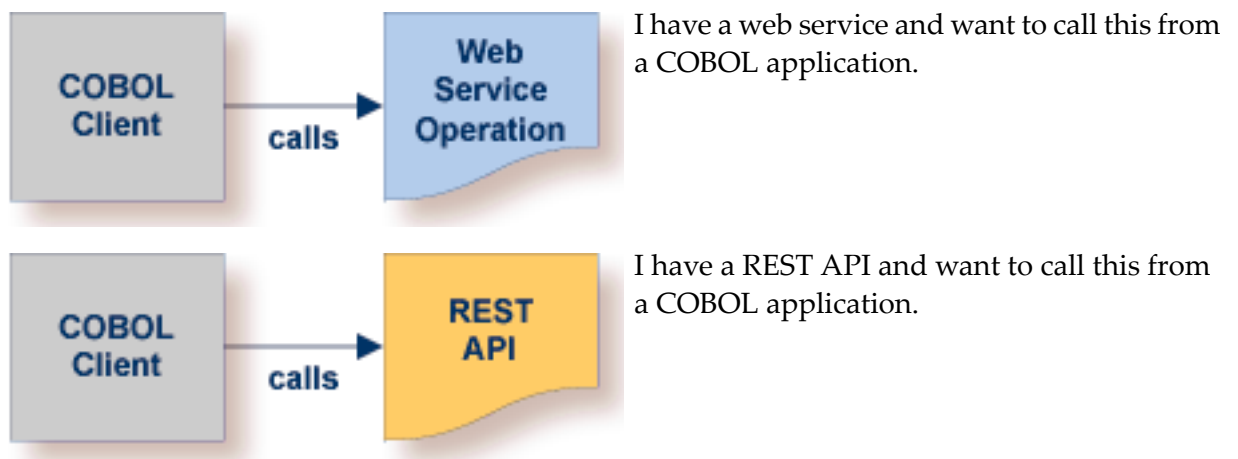


I have a COBOL server program and want to call this from a REST client.

Calling from your COBOL Client Applications

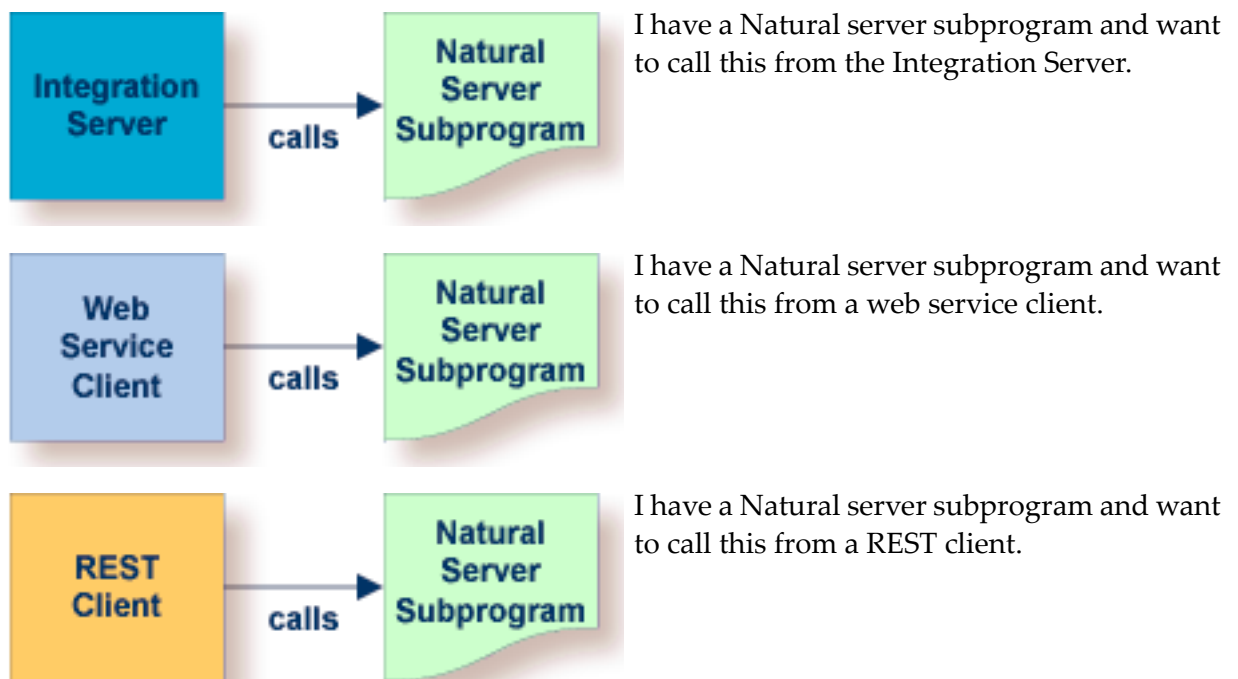


I have an Integration Server service and want to call this from a COBOL application.



Natural

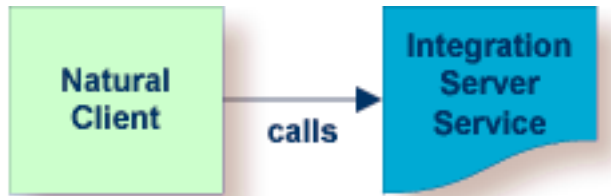
Calling your Natural Server Subprograms



Calling from your Natural Client Applications



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



I have an Integration Server service and want to call this from a Natural application.



I have a web service and want to call this from a Natural application.

Integration Server

Calling your Integration Server Service



I have an Integration Server service and want to call this from a COBOL application.



I have an Integration Server service and want to call this from a Natural application.

Calling from your Integration Server Adapter Service



I have a COBOL server program and want to call this from the Integration Server.



I have a Natural server subprogram and want to call this from the Integration Server.

Calling your COBOL and Natural Programs from your REST Client



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



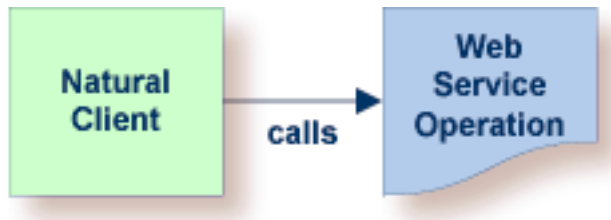
I have a Natural server subprogram and want to call this from a REST client.

Web Services

Calling your Web Service Operation



I have a web service and want to call this from a COBOL application.



I have a web service and want to call this from a Natural application.

Calling from your Web Service Client



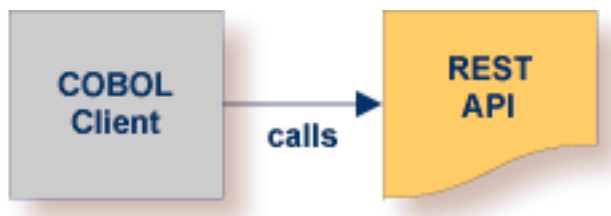
I have a COBOL server program and want to call this from a web service client.



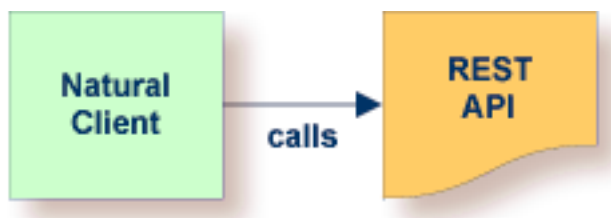
I have a Natural server subprogram and want to call this from a web service client.

REST

Calling your COBOL and Natural Programs from your REST Client



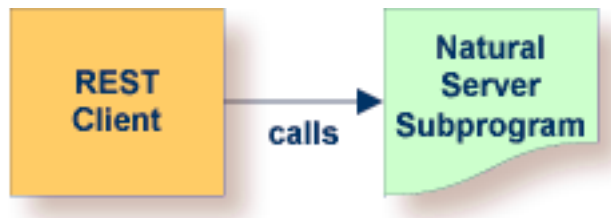
I have a REST API and want to call this from a COBOL application.



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



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



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

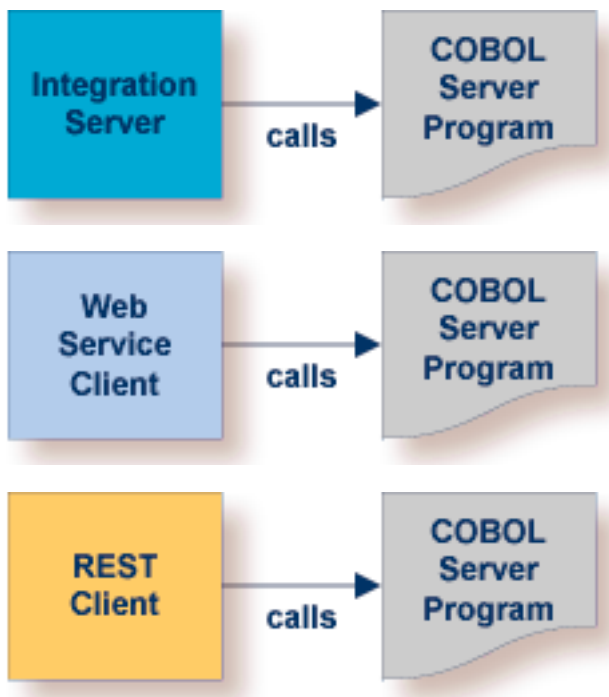
3

Connecting COBOL

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

Calling your COBOL Server Programs



I have a COBOL server program and want to call this from the Integration Server.

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

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

Calling from your COBOL Client Applications



I have an Integration Server service and want to call this from a COBOL application.



I have a web service and want to call this from a COBOL application.



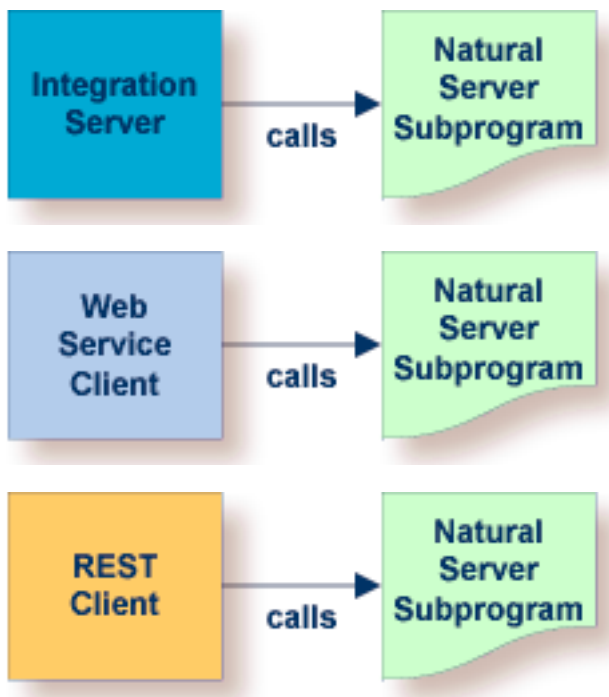
I have a REST API and want to call this from a COBOL application.

4 Connecting Natural

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

Calling your Natural Server Programs

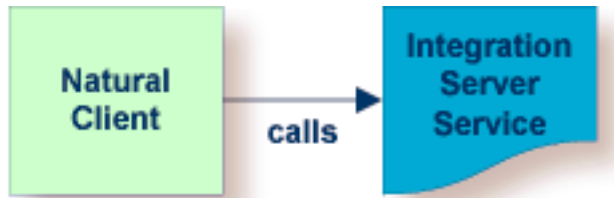


I have a Natural server subprogram and want to call this from the Integration Server.

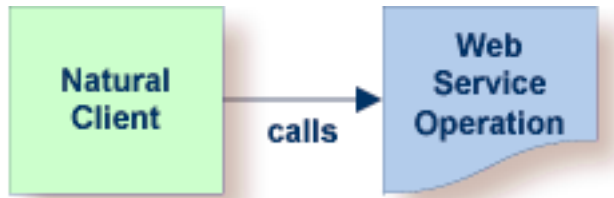
I have a Natural server subprogram and want to call this from a web service client.

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

Calling from your Natural Client Applications



I have an Integration Server service and want to call this from a Natural application.



I have a web service and want to call this from a Natural application.



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

5

Connecting Integration Server

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

Calling your Integration Server Service

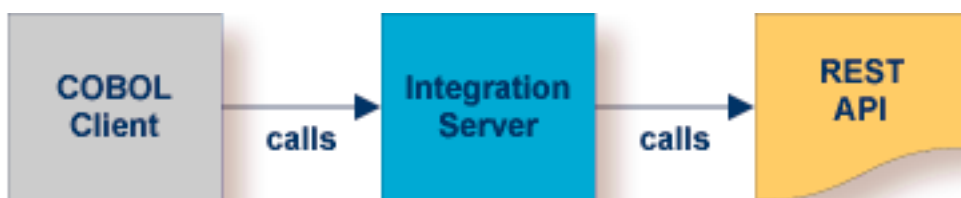


I have an Integration Server service and want to call this from a COBOL application.



I have an Integration Server service and want to call this from a Natural application.

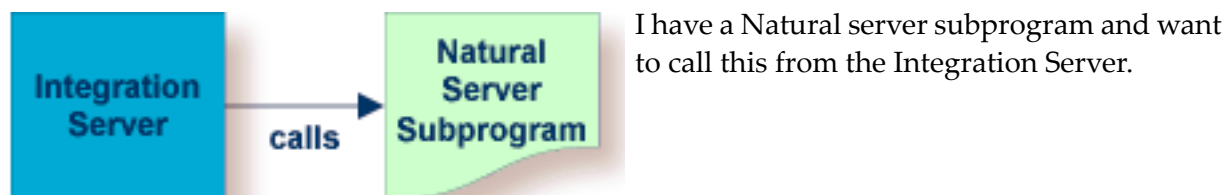
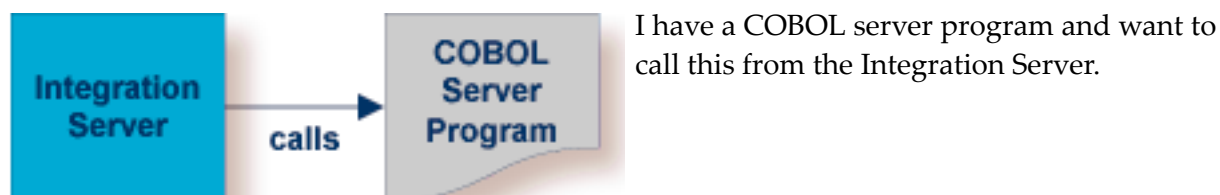
Calling your REST Service (via Integration Server)



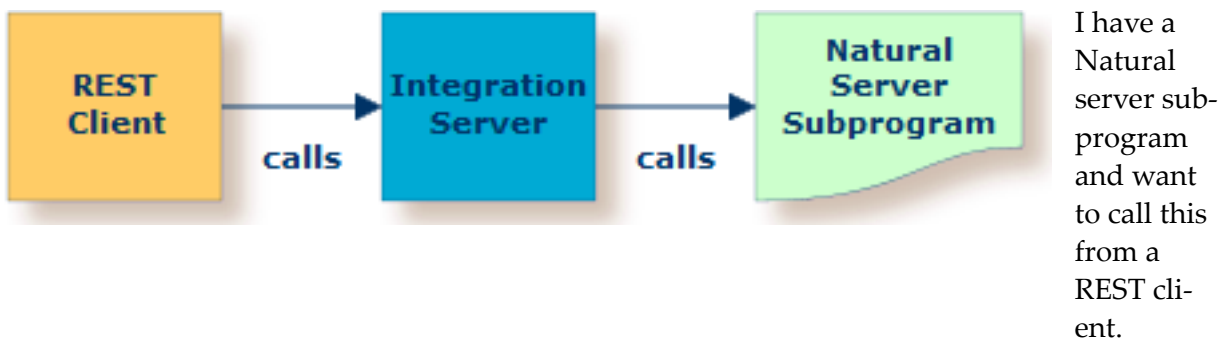
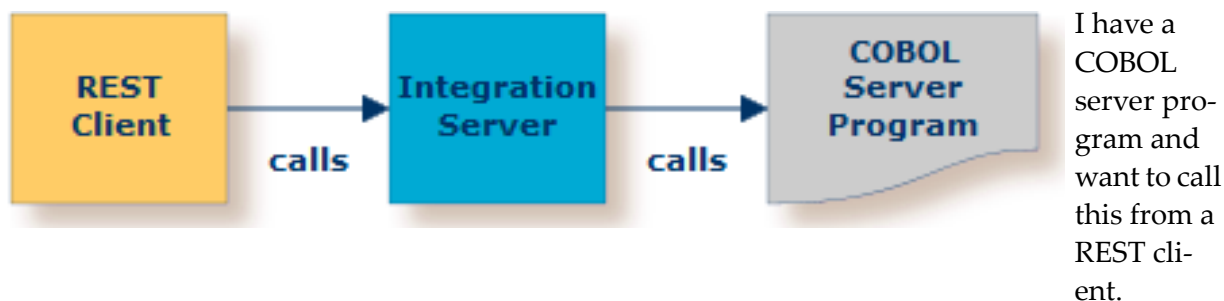
I have a REST API and want to call this from a COBOL application.



Calling from your Integration Server Adapter Service



Calling your COBOL and Natural Programs from your REST Client (via Integration Server)



6

Connecting Web Services

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

Calling your Web Service Operation



I have a web service and want to call this from a COBOL application.

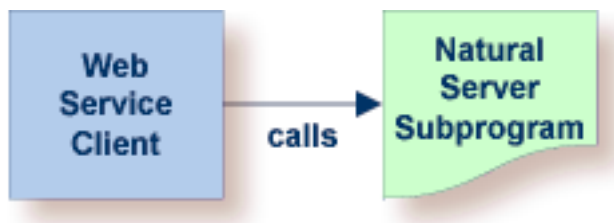


I have a web service and want to call this from a Natural application.

Calling from your Web Service Client



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



I have a Natural server subprogram and want to call this from a web service client.

7 REST Scenarios

Choose a scenario for information on

- alternative architectures (if applicable)
- installation requirements
- development steps

Calling your COBOL and Natural Programs from your REST Client



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

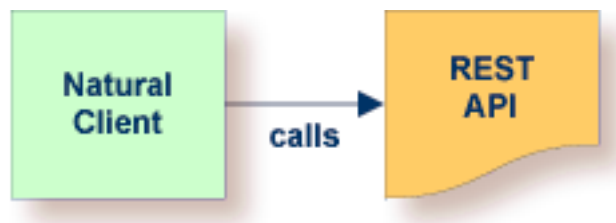


I have a Natural server subprogram and want to call this from a REST client.

Calling from your COBOL and Natural Client Applications



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



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