# Natural API Management: Concepts and Facilities

Version 1.1

November 2016

This document applies to Natural API Management Version 1.1 and to 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

# About this Guide

This guide describes the technical features and architecture of Natural API Management.

The product Natural API Management provides extensive functionality on API management, which allows you to expose valuable business rules from Natural applications to attend business demands.

## Online Information

### Software  AG Documentation Website

You can find documentation on the Software AG Documentation website at http://documentation.softwareag.com. The site requires Empower credentials. If you do not have Empower credentials, you must use the TECHcommunity website.

### Software AG Empower Product Support Website

You can find product information on the Software AG Empower Product Support website at https://empower.softwareag.com.

To submit feature/enhancement requests, get information about product availability, and download products, go to Products.

To get information about fixes and to read early warnings, technical papers, and knowledge base articles, go to the Knowledge Center.

### Software AG TECHcommunity

You can find documentation and other technical information on the Software AG TECHcommunity website at http://techcommunity.softwareag.com. You can:

- Access product documentation, if you have TECHcommunity credentials. If you do not, you will need to register and specify "Documentation" as an area of interest.
- 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.

# 1 Introduction

Due to the influence of new technologies (for example, Mobile, Cloud, Social, IoT), the API (Application Programming Interface) adoption became an important asset to the business, enabling innovative applications through internet protocols and so, quickly reaching internal and external consumers. This distribution channel allows companies to reach new markets and partners by offering new products and services.

Natural API Management is the solution to expose and maximize the great value of Natural applications by extending its usage as an API.

Since we provide more business features by API exposure, management becomes necessary and important, as the scalability of consumption is increasing significantly. The Natural API Management platform, where NaturalONE and EntireX are essential components in the creation and reuse of Natural applications, lets you manage the entire process of planning, designing, developing and securely exposing your Natural APIs to external developers, partners, and other consumers. Thus, you can:

- Quickly expose Natural applications as APIs.
- Integrate and compose APIs with webMethods ESB.
- Manage the API lifecycle end-to-end with CentraSite.
- Protect and virtualize your APIs with webMethods Mediator and Enterprise Gateway.
- Engage with developers and B2B partners using webMethods API-Portal.
- Monitor APIs holistically with webMethods Insight.

This solution provides extensive capabilities and flexibility on end-to-end API management for Natural applications, and it also allows Adabas and Natural customers to exchange data and functionality involving heterogeneous technologies to meet business demands.

# 2 Key Characteristics

APIs are the new channel for the distribution of products and services, enabling you to reach new markets, create revenue streams and quickly reach partners and consumers. Natural API Management will enable you to expose Natural applications as an API, allowing you to unlock the unique value of existing applications, and also provides the ability to accelerate mobile strategy and innovative apps to reach the customers.

In this context, Natural API Management offers valuable features for your environment:

- Natural API Development - API generation from Natural applications

  Ability to expose Natural applications as API objects. The Natural server can be hosted on a mainframe or in Linux, UNIX and Windows environments. For remote access, Natural Development Server needs to be enabled.

- API Management
  - **Lifecycle management of APIs**

    Manage the entire process of designing, developing, deploying, versioning and retiring APIs. Ensure standards and practices by defining permissible transitions between states. Use built-in versioning capabilities to track API versions.

  - **APIs repository**

    Provide a repository that allows keeping API documentation, technical information and interfaces.

  - **API publishing**

    Publish REST and SOAP APIs. Automatically synchronize API documentation between your enterprise catalog and developer portal. Collect analytics at the portal to better understand portal usage. Analysis of popularity - which APIs are popular and which are not. Allow developers to read about, request access to and test your APIs. Deploy webMethods API-Portal in the public cloud, private cloud or in the DMZ.

  - **API catalog**

    Catalog all APIs for discovery, re-use and lifecycle management. Browse and search API capabilities.

  - **API security and mediation**

    Use policy driven security to uniformly secure and monitor access to back-end services from apps using your APIs. Support for transport and message-layer security, including authentication, authorization, digital encryption and digital signatures. Provide runtime enforcement of defined policies.

  - **API monitoring**

Quickly identify service issues and provide deep visibility into transactions.

- Multi-caches and in-memory data

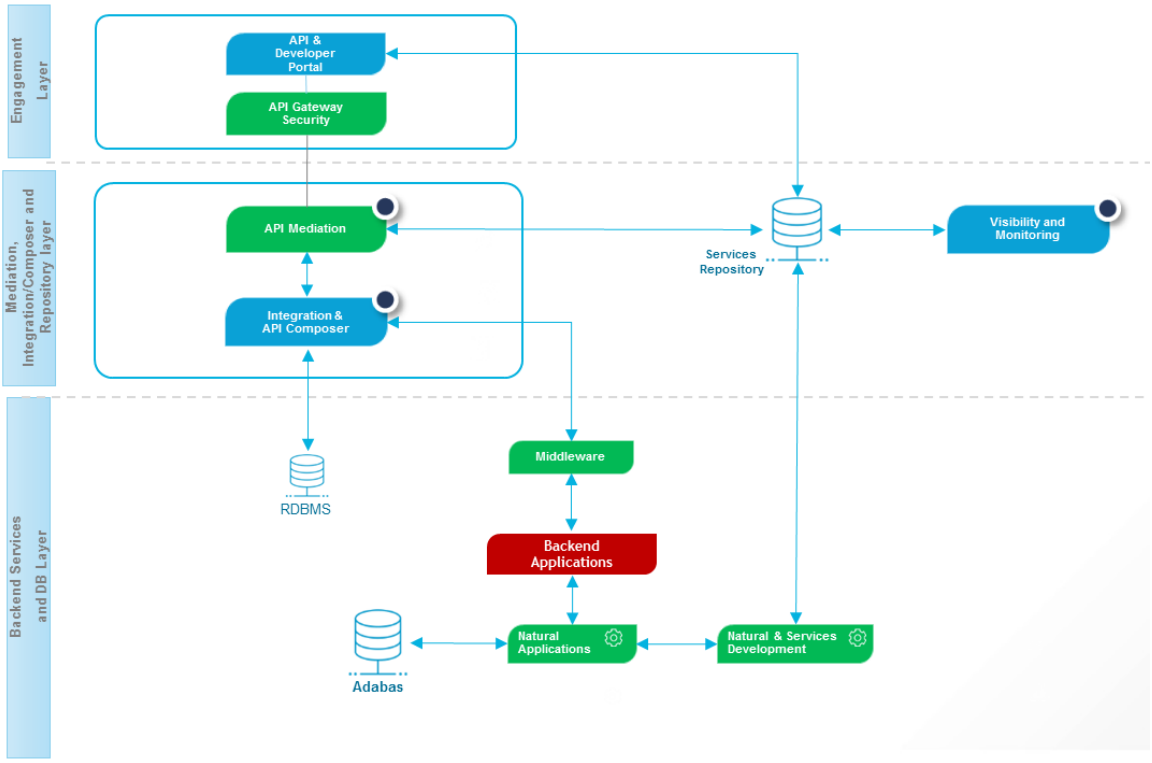
  Gives more power to the entire solution (for example, APIs and services), allowing scalability to attend a higher number of consumers.

- Implement a single solution for both internal and external as APIs.

# 3 Architecture and Capabilities

The following sections provide an overview of the solution, describing the capabilities as well as the physical architecture. For detailed information about the components that make up the solution, see the product documentation at https://empower.softwareag.com/.

## Solution Layers




The above figure describes the roles of the individual elements in the layers that involve the solution. The following is a summary of each layer:

- **Backend Services and Database Layer**

  The solution has comprehensive and integrated tools that allow you to expose Natural business rules in a very easy and quick way using a graphical interface. This reduces error-prone manual tasks and also allows for code testing and debugging. The Natural applications can be hosted on mainframe or Linux, UNIX and Windows (LUW) platforms.

- **Mediation, Integration/Composer and Repository Layer**

  This layer provides the ability to develop service flows using the available assets (for example, APIs, web services) and to integrate heterogeneous technologies. It provides all the capabilities needed to quickly create, deploy and publish services. It also enables you to enforce defined security polices, apply protocol transformation and mediation capabilities.

This layer also includes the following:

- **Monitoring Component**

  The users will have monitoring capabilities. Thus, they are able to quickly identify service issues. This provides visibility into the transactions provided by the APIs.

- **Web Service Repository Component**

  The solution provides a repository and allows management of assets (for example, APIs, web services). This helps enterprises to securely expose Natural API services, and developers can thus easily create new web, mobile and cloud apps. As a result, you can reach new customers, support new devices and technologies, and obtain new sources of revenue. In addition, it also allows lifecycle management of APIs.

- **Engagement Layer**

  The users will have the presentation functionality offered by the API Portals. Using the engagement layer, it is possible to get information about the APIs (for example, directory information, documentation, and access methods). You can also discover or search for APIs, and try and set deals for API use.

# Solution Capabilities

Natural API Management delivers capabilities to develop, integrate, manage, protect, engage and monitor APIs in the organization.

The following is a summary of the capabilities provided by the solution:

- **Adapters**

  The adapters layer provides the ability to connect to Natural hosts in order to expose/reuse Natural business rules as APIs. The Natural business rules are exposed by Natural RPC servers allowing IDL (Interface Description Language) object generation.

- **Integration**

  The integration layer enables API adapters to integrate the services allowing the use of heterogeneous technologies. Web services can be deployed directly from IDLs extracted from Natural applications or based on an EntireX adapter connection generated into the Integration Server (generated on the adapters layer).

- **Web Service Repository**

  The repository provides management facilities for the assets that are developed and deployed from Natural applications and others. Based on web services deployed from the integration layer, the asset should be registered in and published to the repository (CentraSite) to be available for further consumption, and also to control the entire API lifecycle.

- Creation of an enterprise catalog of internal and external APIs.
- Documentation of SOAP and REST APIs.
- Management of the API provider workflow: access token request approvals for API keys and OAuth2.
- Manage the entire API lifecycle from design until retirement.
- API virtualization and configuration/enforcement of runtime policies.
- API usage analysis at runtime through dashboards reports and traffic.

- **API Management**

  The API Management layer enables companies to unlock the business value of their unique Natural applications, while also supporting new devices and technologies, hybrid integration, Internet of Things, and service governance initiatives. Thus, existing Natural functionality can be reused as APIs on the new services, giving agility for developers to meet business demands quickly.

  This layer also enables monitoring, policies enforcement, authorization/ authentication, mediation, transformation, and consumption of services delivered.

  The highlights for API managers are:

  - Secure and mediate traffic between API consumers/users and back-end applications.
  - Collection of performance metrics for dynamic dashboards and accounting for billing.
  - Realize statistics about API usage with added analytics and reporting.
  - Automated documentation publishing to the API-Portal.
  - API creation, packaging, and publishing.

- **API Mediation and Gateway**

  webMethods Mediator provides a service intermediary that enforces the runtime policies you create in the web services repository (CentraSite). Mediator also virtualizes shared services, making it easy to change services when required.

  Combined with CentraSite, Mediator provides end-to-end governance of all your services and APIs from development to runtime. Combined with webMethods Enterprise Gateway, Mediator provides comprehensive API Gateway functionality. The key capabilities offered are:

  - Use it as a central runtime policy enforcement point for APIs.
  - Enforce security, traffic management, monitoring and SLA management policies.
  - Virtualize services to decouple API consumers/users from APIs providers.
  - Provide intelligent routing and load balancing of APIs requests.
  - Collect analytical data on API consumption/usage and policy evaluation.

- Send selected events to the webMethods Event Bus Infrastructure for processing and immediate action.
- SOAP-to-REST transformation.
- Performance.
- Protocol switching.
- Message transformation.
- Consumer provisioning.
- Message validation.
- Traffic management.
- SLA monitoring.
- Security.
- API key enforcement.
- Smart policy provisioning.
- Standards support.

- **API-Portal**

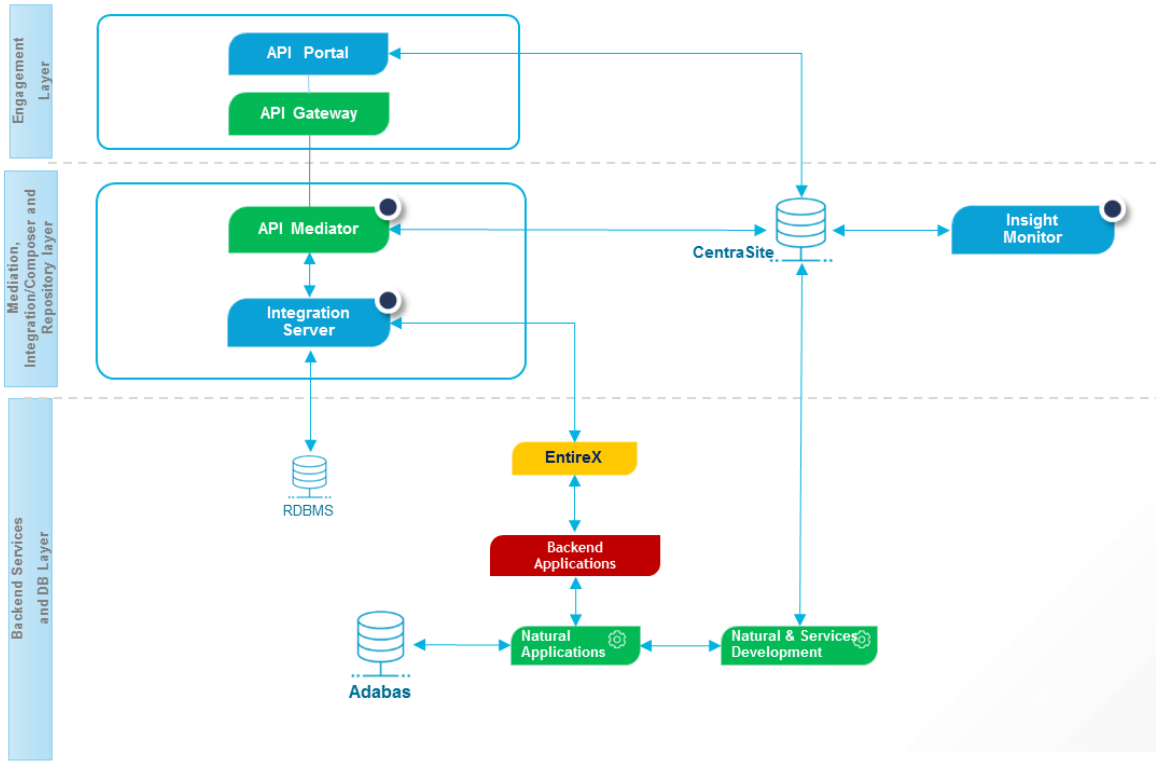
  API-Portal provides a consumer-centric user interface for the discovery of APIs. The portal exposes API documentation to third-party developers, manages the developer on-boarding process, and allows these developers to use the exposed APIs for creative new uses. When developers leverage your APIs with new mashups and apps or to support new devices, your reach is extended, and new channels are opened up to your corporate assets. The key capabilities offered are:

  - Full API documentation.
  - Customizable branding of the Portal interface.
  - Automatic synchronization of documentation from the web services repository.
  - API support for REST and SOAP based APIs.
  - Integrated API testing.
  - Built-in APIs usage analytics.
  - Full text search capabilities to find the desired APIs.
  - Responsive design for both desktop and mobile web-based administration interface.
  - API grouping.
  - Multiple deployment options: behind the firewall, in the DMZ, in your private cloud.
  - Built-in workflows for an approval process to manage API access requests.

- Sign up to track specific APIs to automatically receive notices of changes.

To support environments that require higher levels of availability and performance, Natural API Management provides support for cluster scenarios in some of its components (for example, Mediation, Gateway, engagement layer).

# 4 Technical Components




For additional information about the technical components in the solution architecture, refer to the respective product documentation as per the table below:

| Technical Capability | Implemented by Component |
|---|---|
| Application and API Portals | webMethods API-Portal<br>My webMethods Server |
| API Monitoring | webMethods Insight |
| API Mediation | webMethods Mediator<br>Enterprise Gateway |
| API Lifecycle Management | CentraSite ActiveSOA |
| Natural Development | NaturalONE<br>Natural Development Server (for remote access) |

| Technical Capability | Implemented by Component |
|---|---|
| Development Platform | Software AG Designer |
| Integration Server | webMethods Integration Server |
| In-Memory Solution | BigMemory Max EX Edition for webMethods |

# 5 Exposing Natural as an API

Natural business rules can be exposed in different ways and thus enable reusability to attend business demands according to requirements quickly. The approach described below is based on the webMethods EntireX and webMethods API-Portal solutions from Software AG.

## Infrastructure

The following infrastructure components are used to deploy an API from Natural applications:

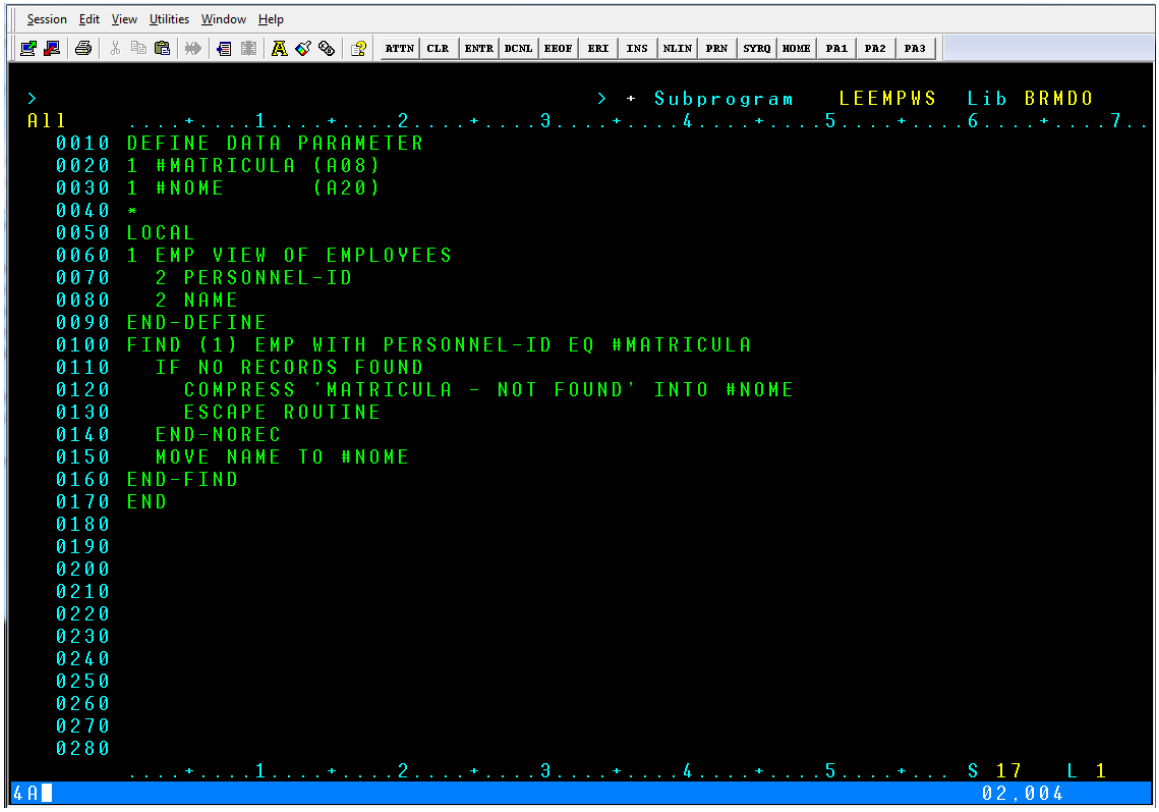
- Mainframe platform:
  - Natural
  - EntireX
  - Natural RPC Server
- Windows platform:
  - Software AG Designer – NaturalONE, EntireX Development and Service Development
  - Integration Server (with EntireX Adapter)
  - CentraSite (API repository)
  - API components (for example, API-Portal, Mediator, Insight)
  - BigMemory solution

## Step-by-Step

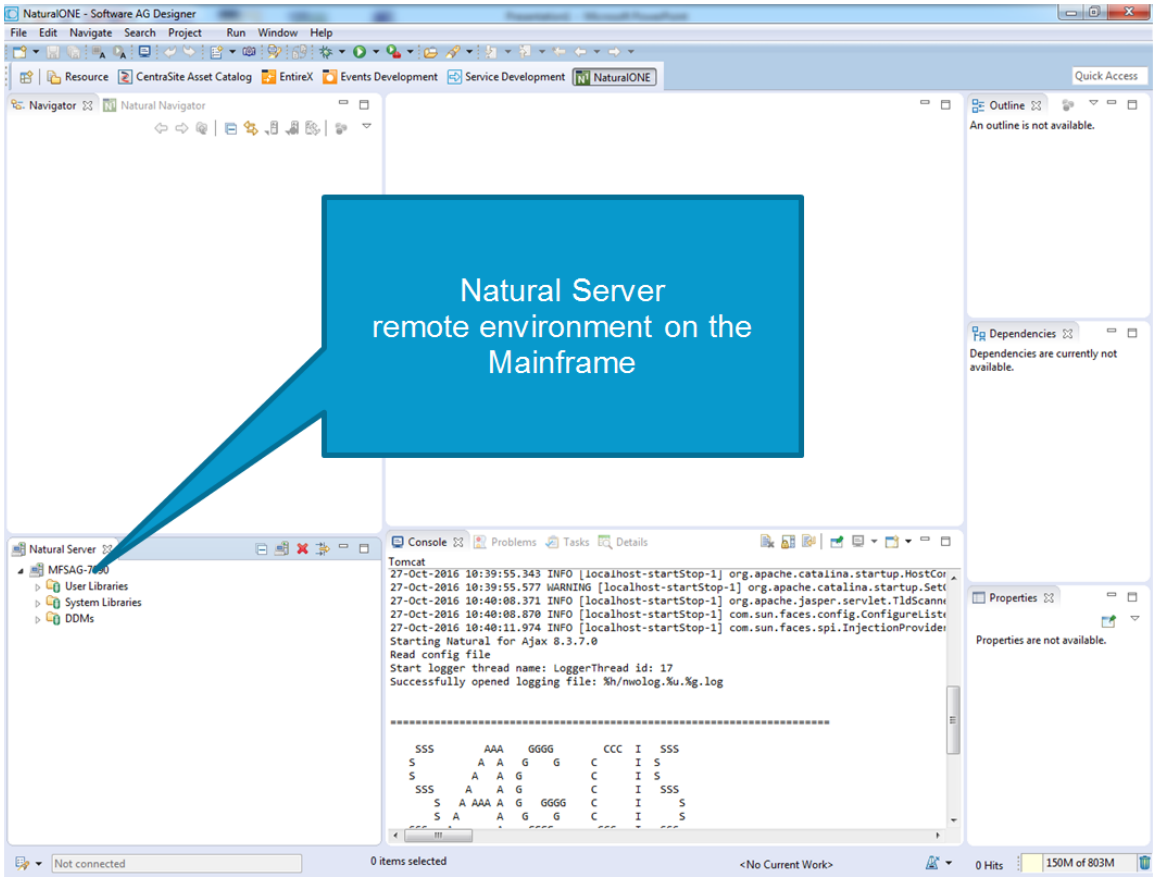
This section describes the procedure that is used to expose Natural business rules as an API and to enable the registration and governance of the deployed assets.

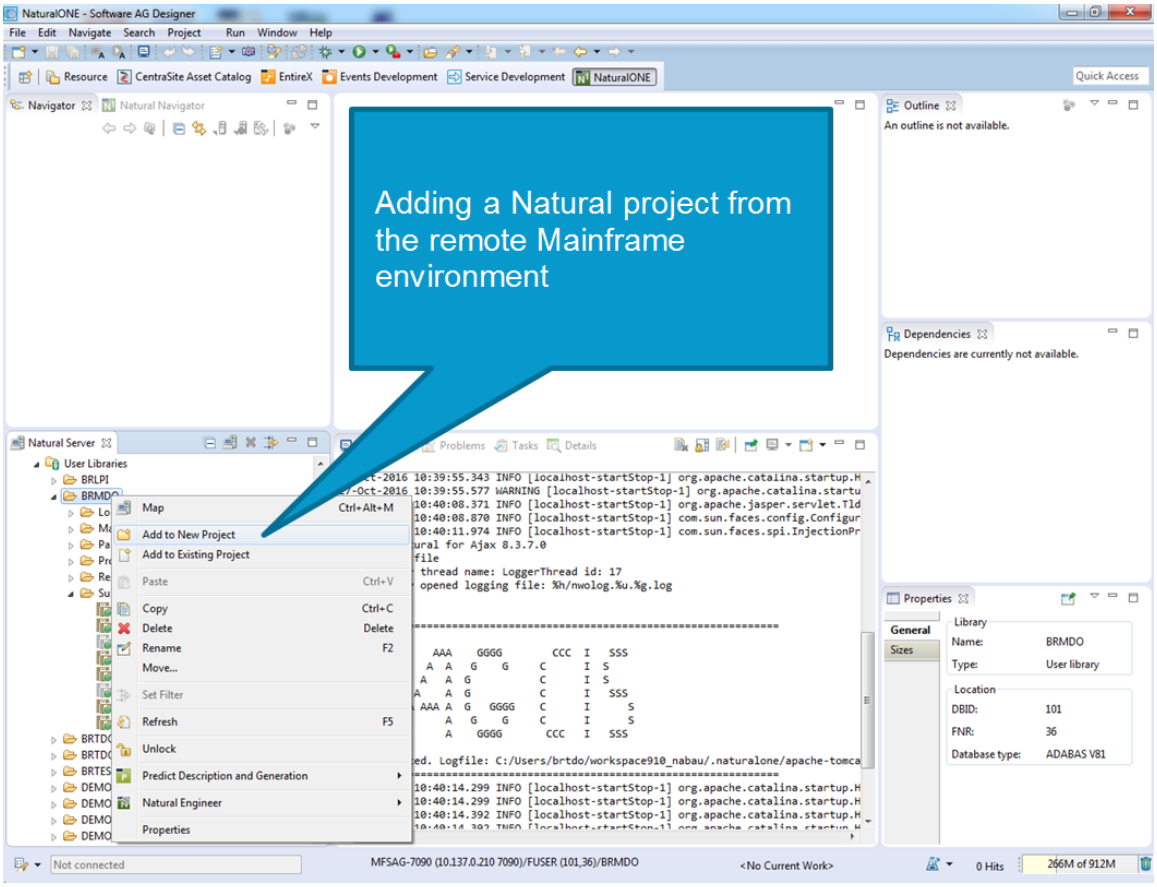
This procedure is based on Natural programs on a mainframe, but it also works for Natural on Linux, UNIX and Windows (LUW).

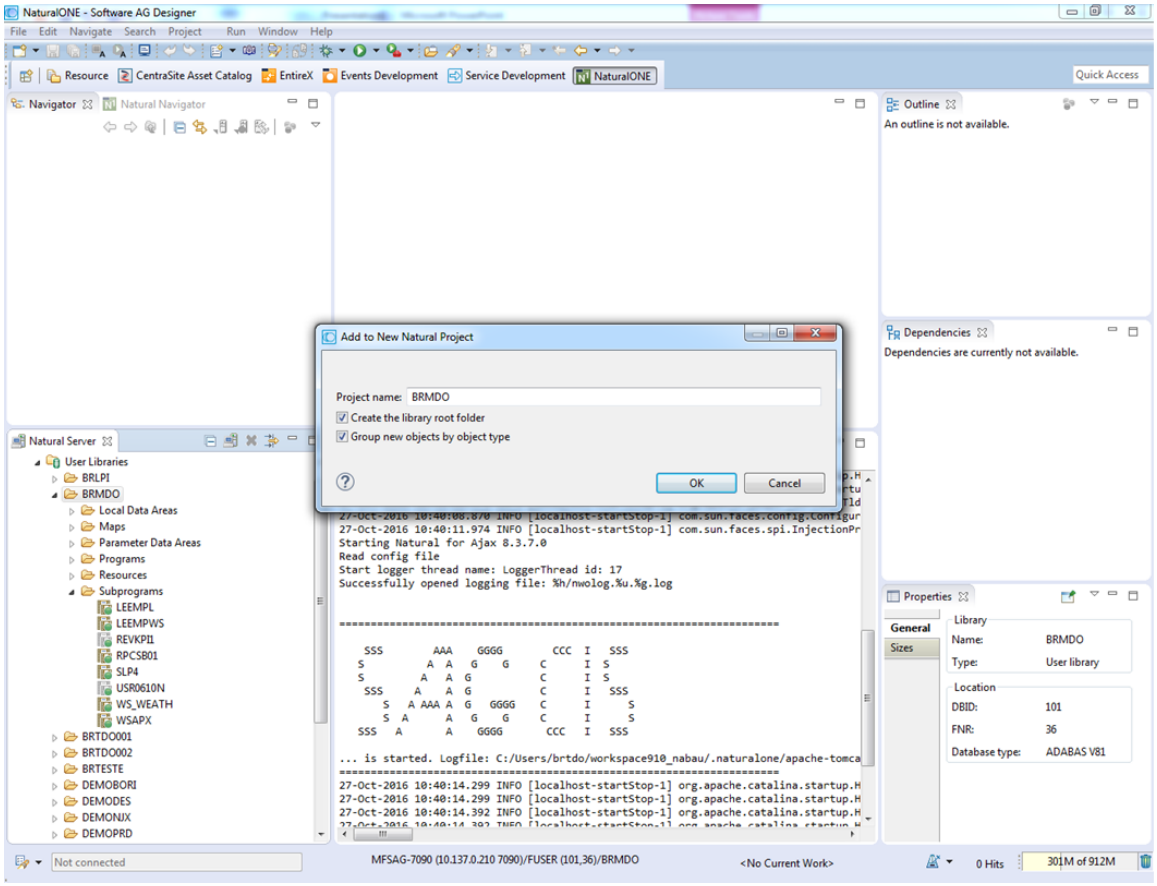
### Sample of a Natural application used

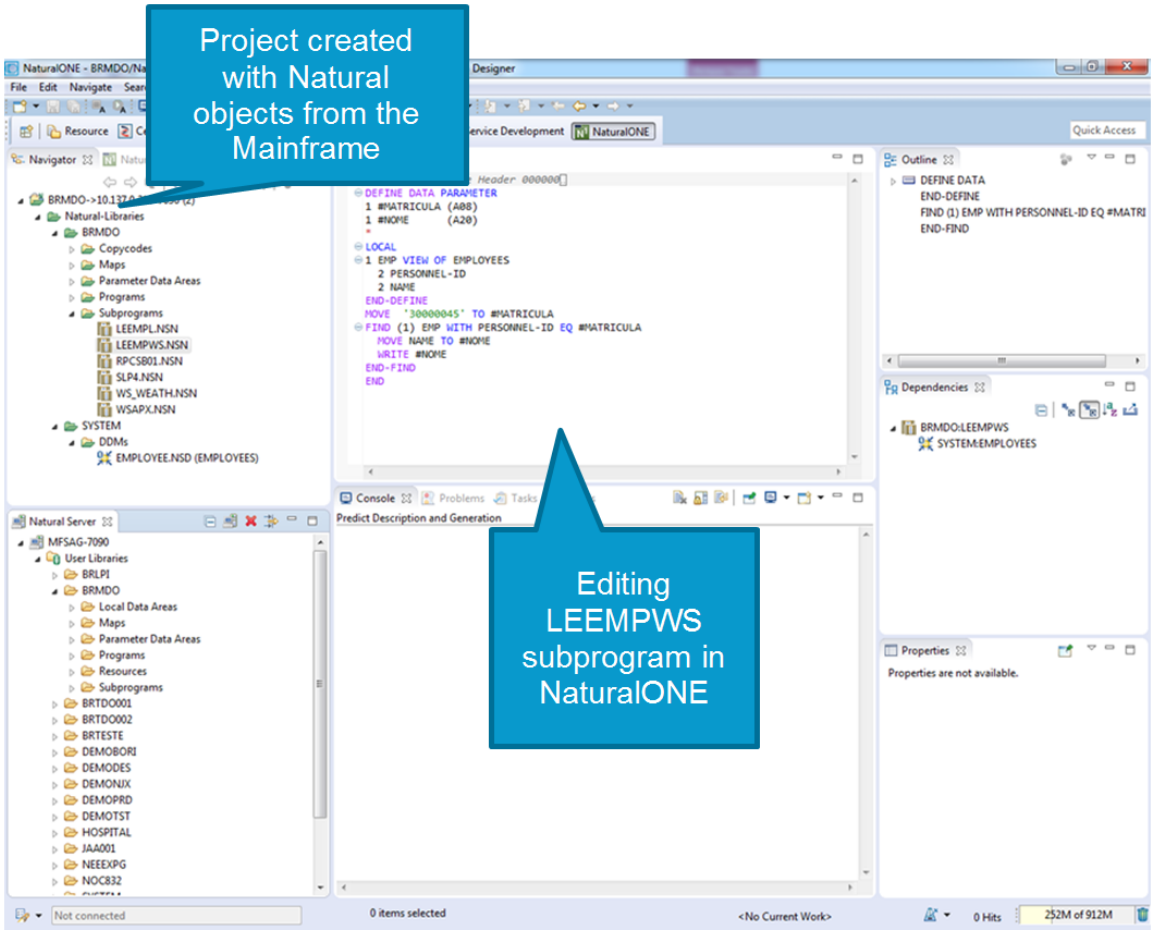


### NaturalONE – Remote access to the Natural environment

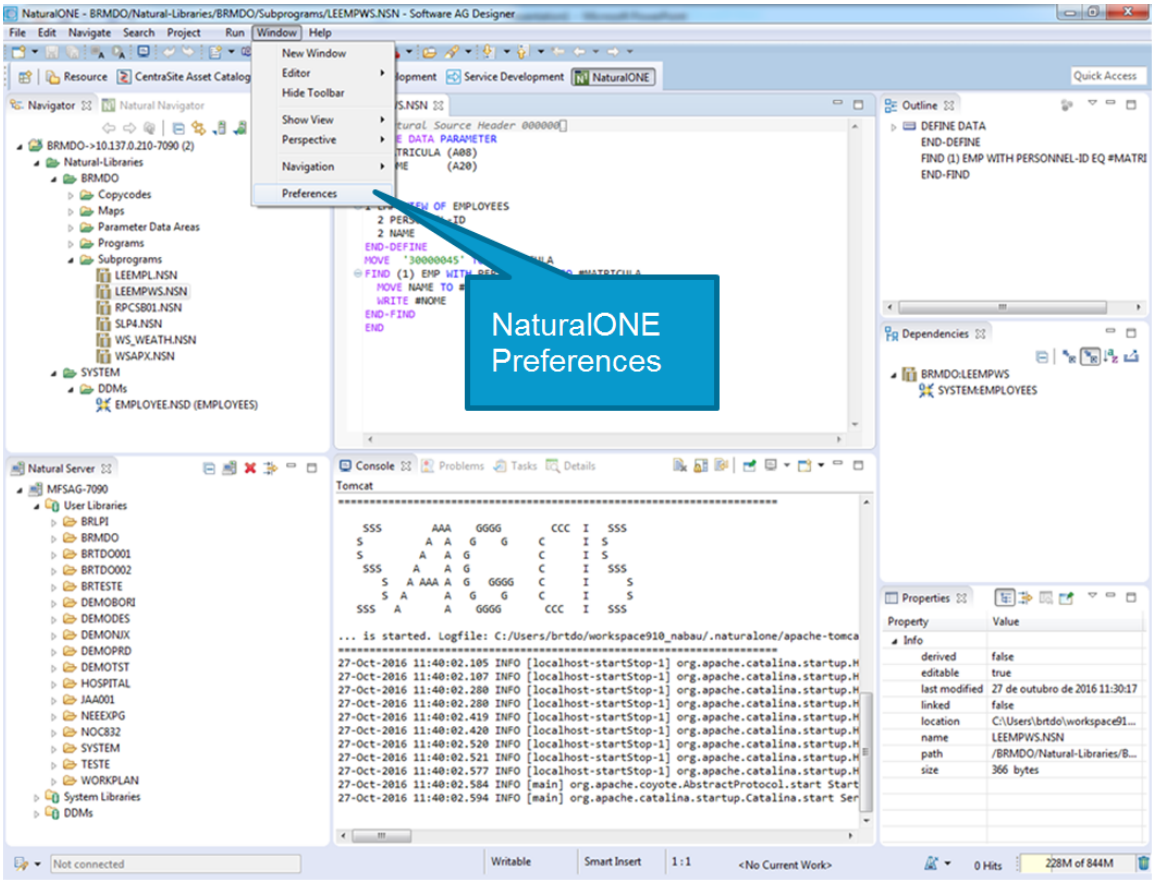


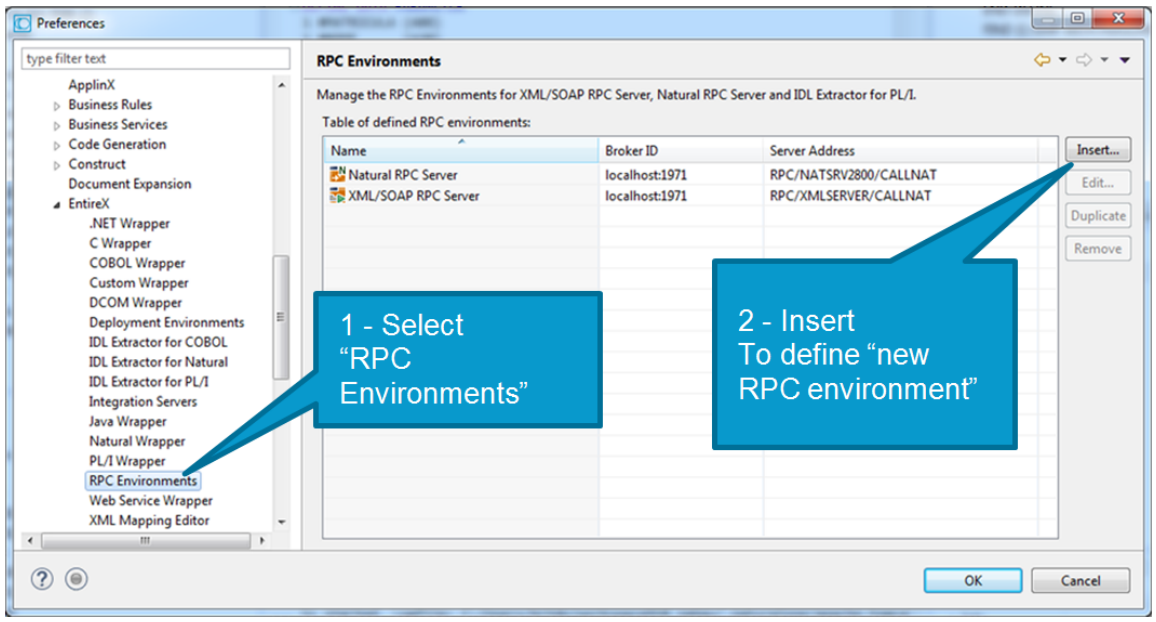

NaturalONE - Software AG Designer
File Edit Navigate Search Project Run Window Help
Resource CentraSite Asset Catalog EntireX Events Development Service Development NaturalONE
Quick Access
Navigator
Natural Navigator
Adding a Natural project from the remote Mainframe environment
Outline
An outline is not available.
Dependencies
Dependencies are currently not available.
Natural Server
User Libraries
BRLPI
BRMDO
Map Ctrl+Alt+M
Add to New Project
Add to Existing Project
Paste Ctrl+V
Copy Ctrl+C
Delete Delete
Rename F2
Move...
Set Filter
Refresh F5
Unlock
Predict Description and Generation
Natural Engineer
Properties
Problems Tasks Details
Properties
General
Sizes
Library
Name: BRMDO
Type: User library
Location
DBID: 101
FNR: 36
Database type: ADABAS V81
Not connected
MFSAG-7090 (10.137.0.210 7090)/FUSER (101,36)/BRMDO
<No Current Work>
0 Hits
266M of 912M

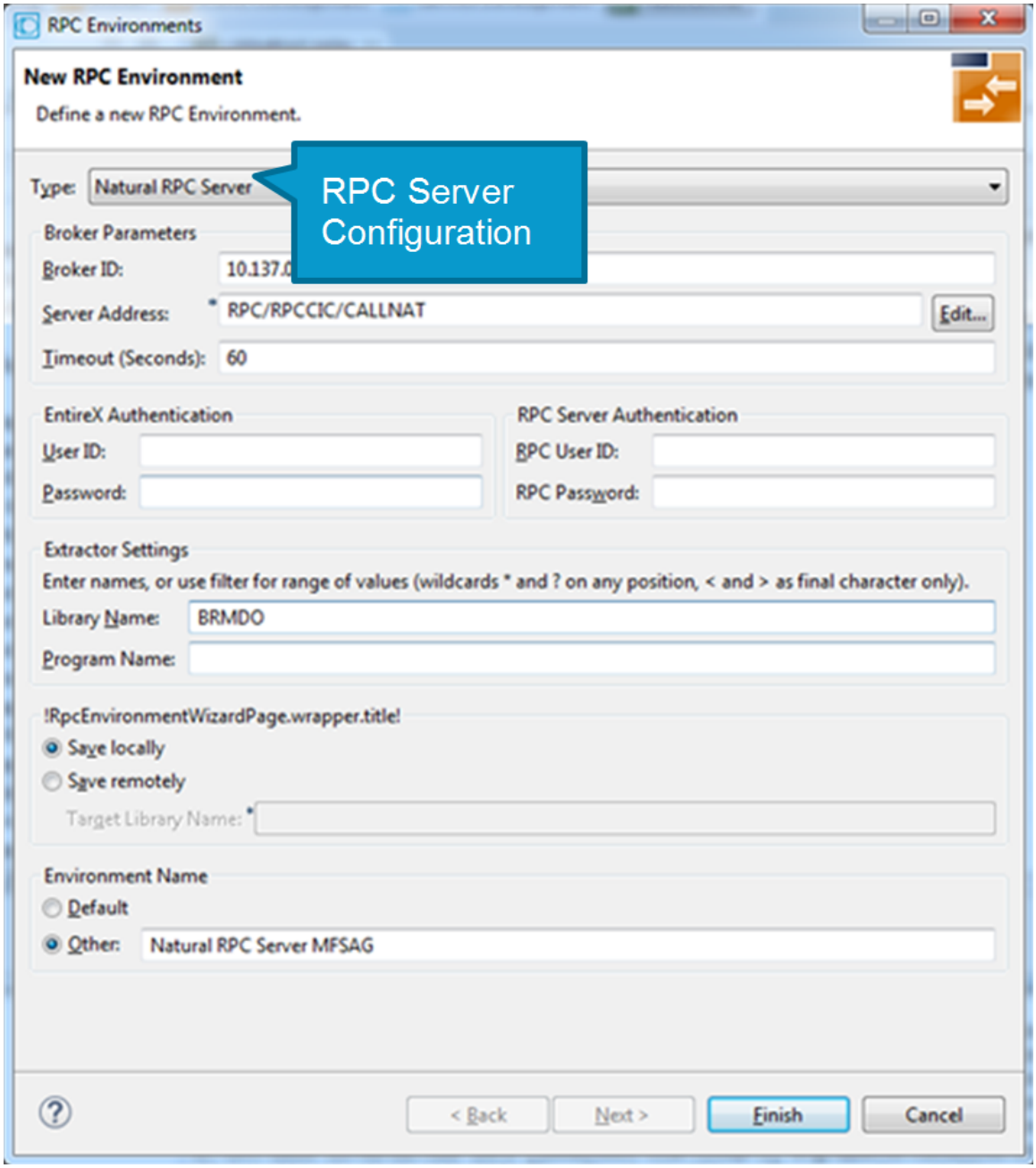

NaturalONE - Software AG Designer
File Edit Navigate Search Project Run Window Help
Resource CentraSite Asset Catalog EntireX Events Development Service Development NaturalONE
Quick Access
Navigator
Natural Navigator
Outline
An outline is not available.
Add to New Natural Project
Project name: BRMDO
Create the library root folder
Group new objects by object type
OK
Cancel
Dependencies
Dependencies are currently not available.
Natural Server
User Libraries
BRLPI
BRMDO
Local Data Areas
Maps
Parameter Data Areas
Programs
Resources
Subprograms
LEEMPL
LEEMPWS
REVKPI1
RPCSB01
SLP4
USR0610N
WS_WEATH
WSAPX
BRTDO001
BRTDO002
BRTESTE
DEMOBORI
DEMODES
DEMONJX
DEMOPRD
Starting Natural for Ajax 8.3.7.0
Read config file
Start logger thread name: LoggerThread id: 17
Successfully opened logging file: %h/nwolog.%u.%g.log
... is started. Logfile: C:/Users/brtdo/workspace910_nabau/.naturalone/apache-tomca
27-Oct-2016 10:40:14.299 INFO [localhost-startStop-1] org.apache.catalina.startup.H
27-Oct-2016 10:40:14.299 INFO [localhost-startStop-1] org.apache.catalina.startup.H
27-Oct-2016 10:40:14.392 INFO [localhost-startStop-1] org.apache.catalina.startup.H
Properties
General
Sizes
Library
Name: BRMDO
Type: User library
Location
DBID: 101
FNR: 36
Database type: ADABAS V81
Not connected
MFSAG-7090 (10.137.0.210 7090)/FUSER (101_36)/BRMDO
<No Current Work>
0 Hits
301M of 912M


Project created with Natural objects from the Mainframe
Editing LEEMPWS subprogram in NaturalONE

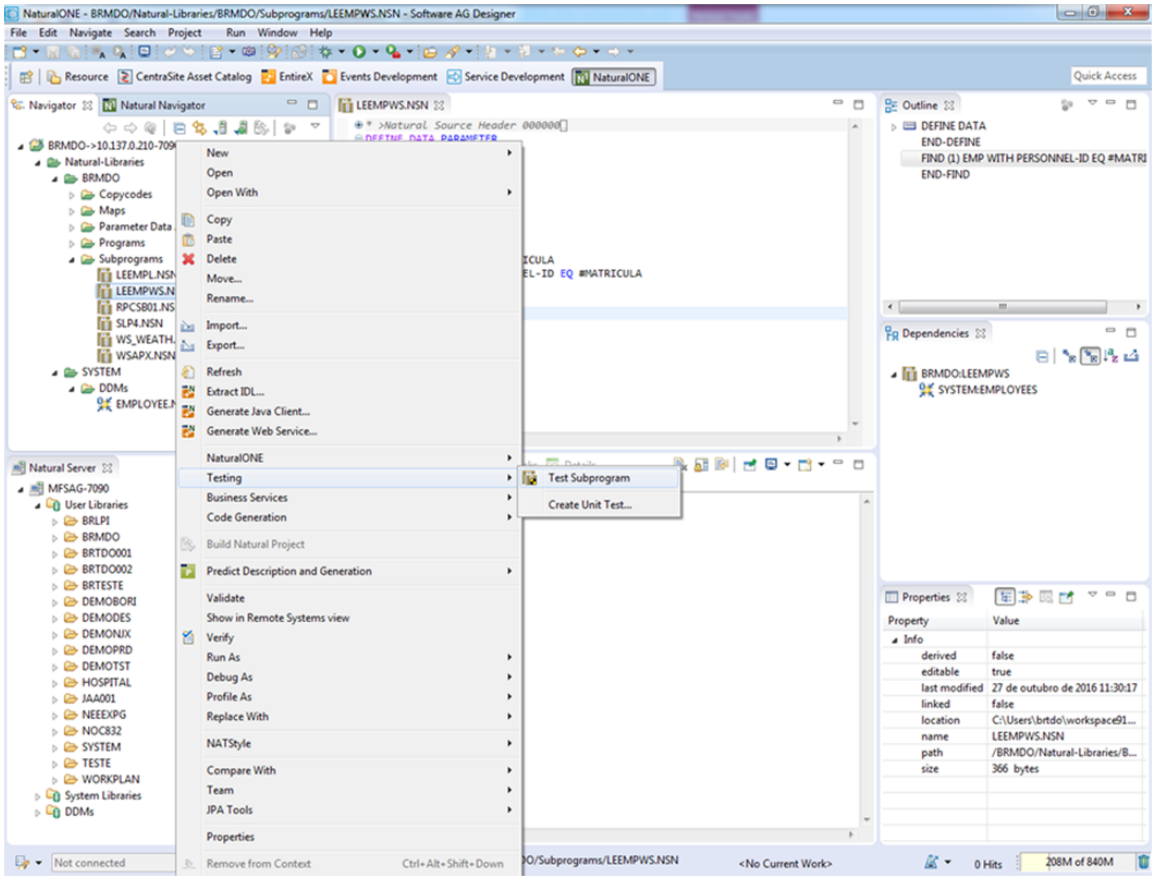
## RPC customization

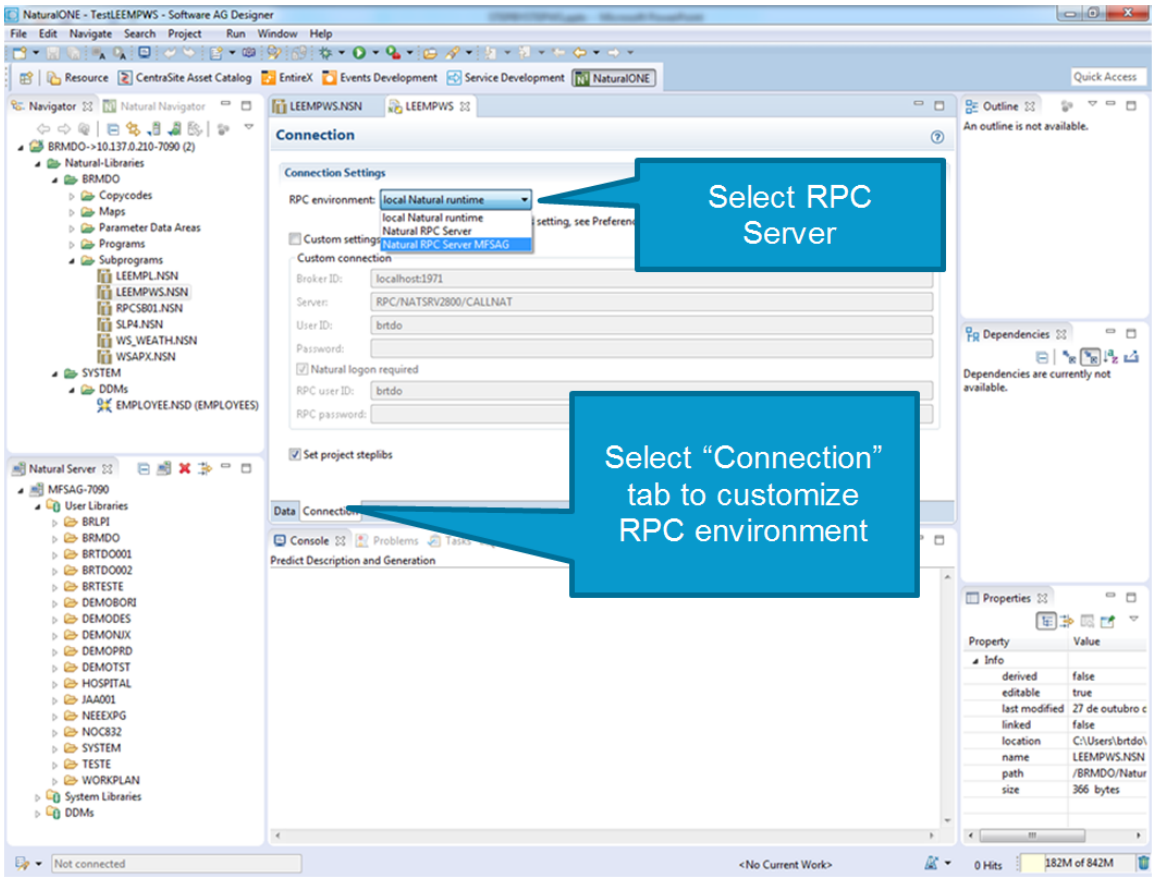


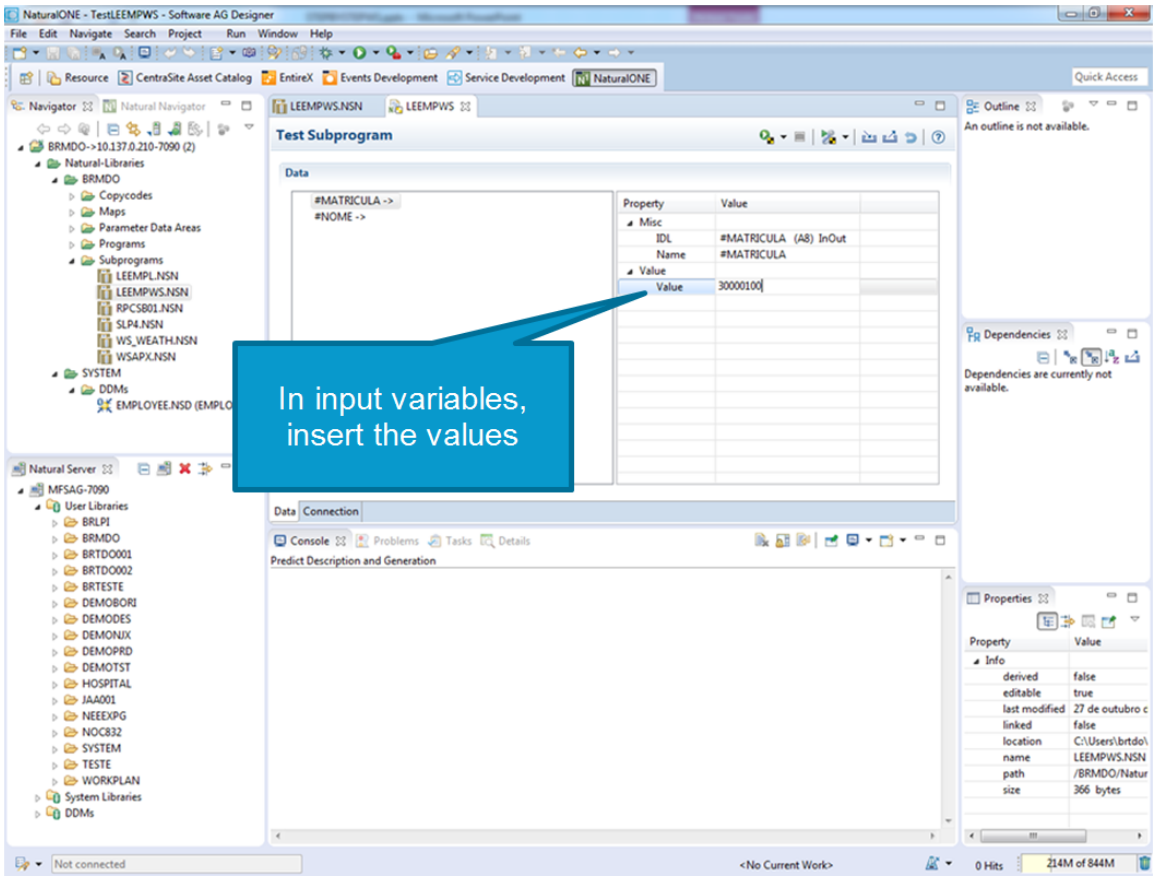



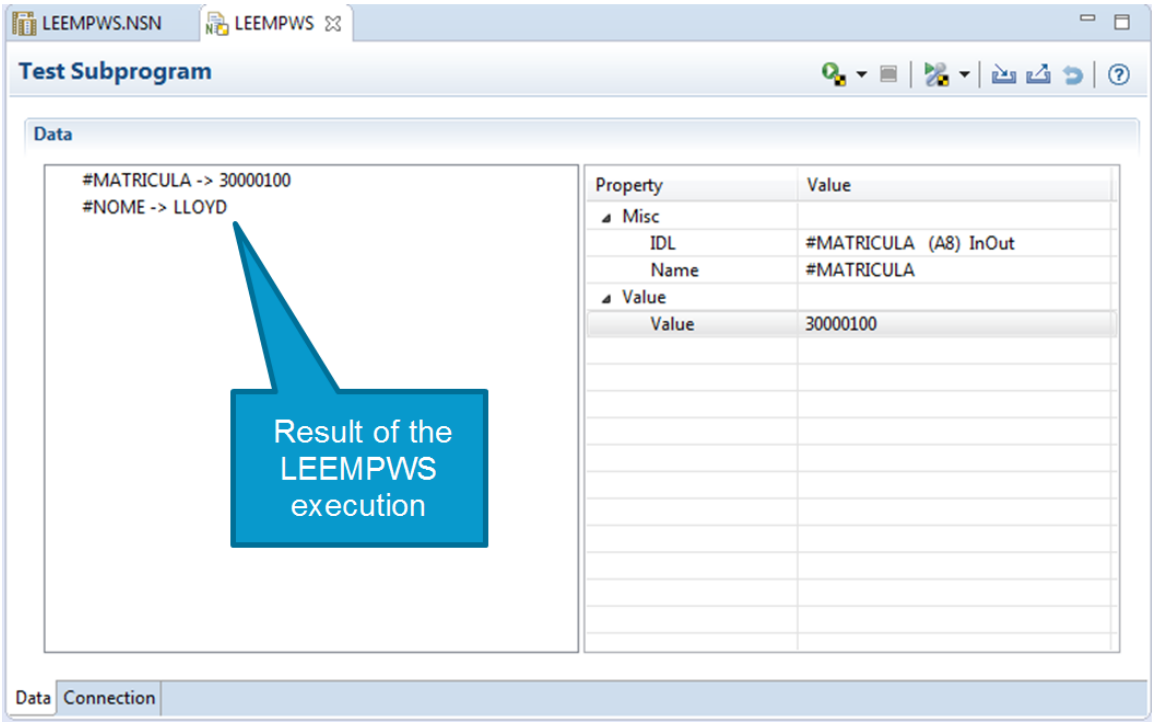

RPC Environments
New RPC Environment
Define a new RPC Environment.
RPC Server Configuration
Type: Natural RPC Server
Broker Parameters
Broker ID: 10.137.0
Server Address: * RPC/RPCCIC/CALLNAT
Edit...
Timeout (Seconds): 60
EntireX Authentication
User ID:
Password:
RPC Server Authentication
RPC User ID:
RPC Password:
Extractor Settings
Enter names, or use filter for range of values (wildcards * and ? on any position, < and > as final character only).
Library Name: BRMDO
Program Name:
!RpcEnvironmentWizardPage.wrapper.title!
Save locally
Save remotely
Target Library Name: *
Environment Name
Default
Other: Natural RPC Server MFSAG
< Back
Next >
Finish
Cancel

### Testing the subprogram using the Natural RPC server environment

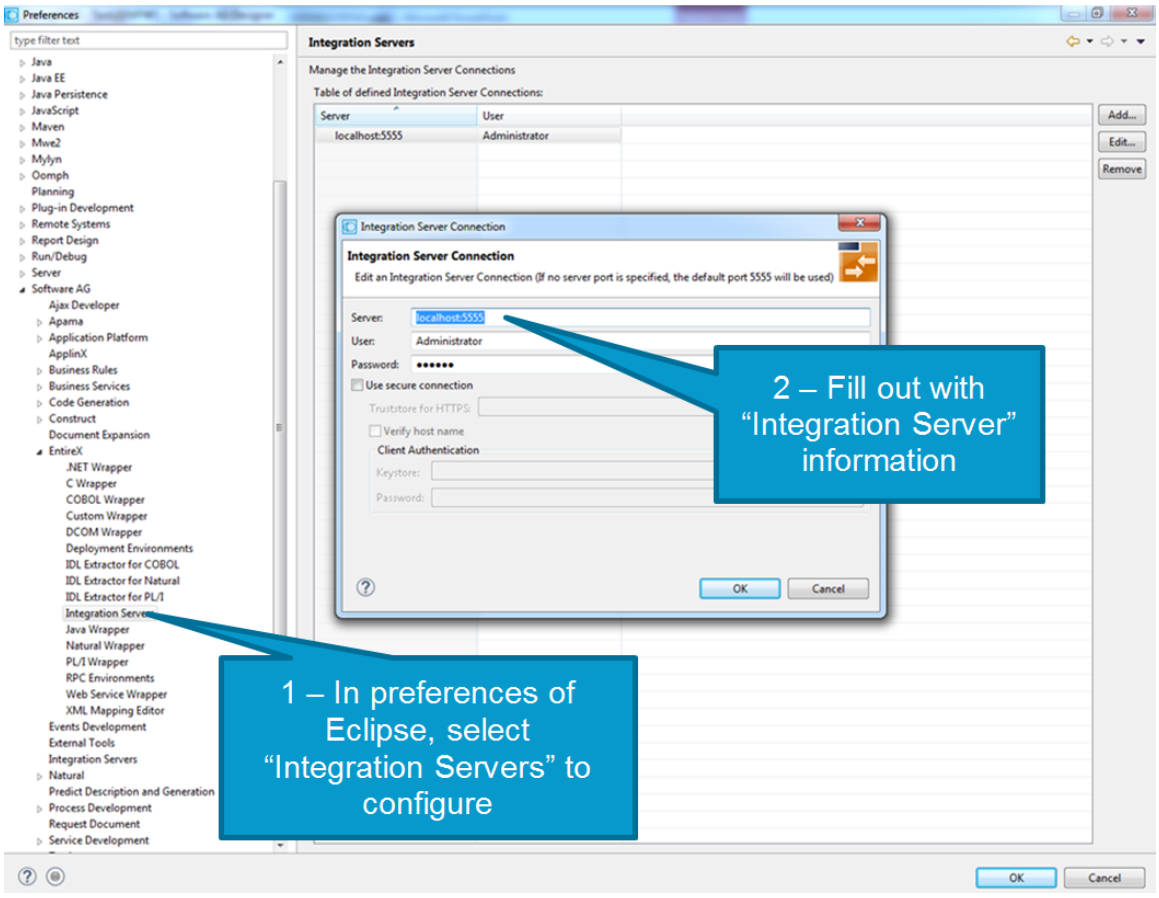


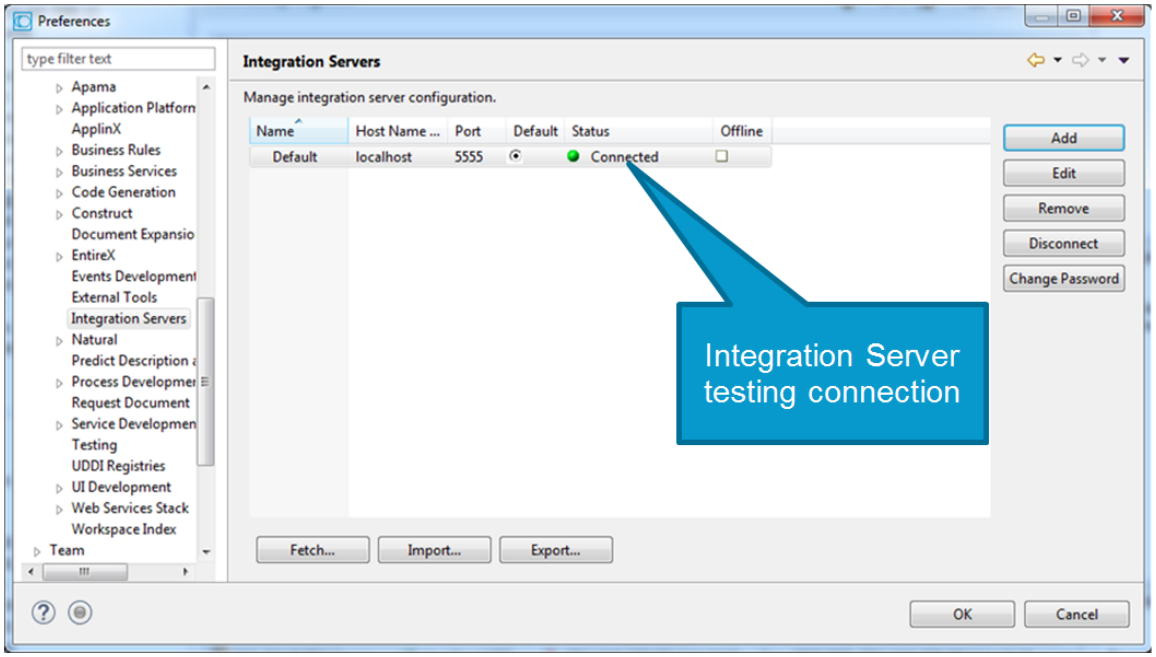

Select RPC Server
Select "Connection" tab to customize RPC environment


In input variables, insert the values

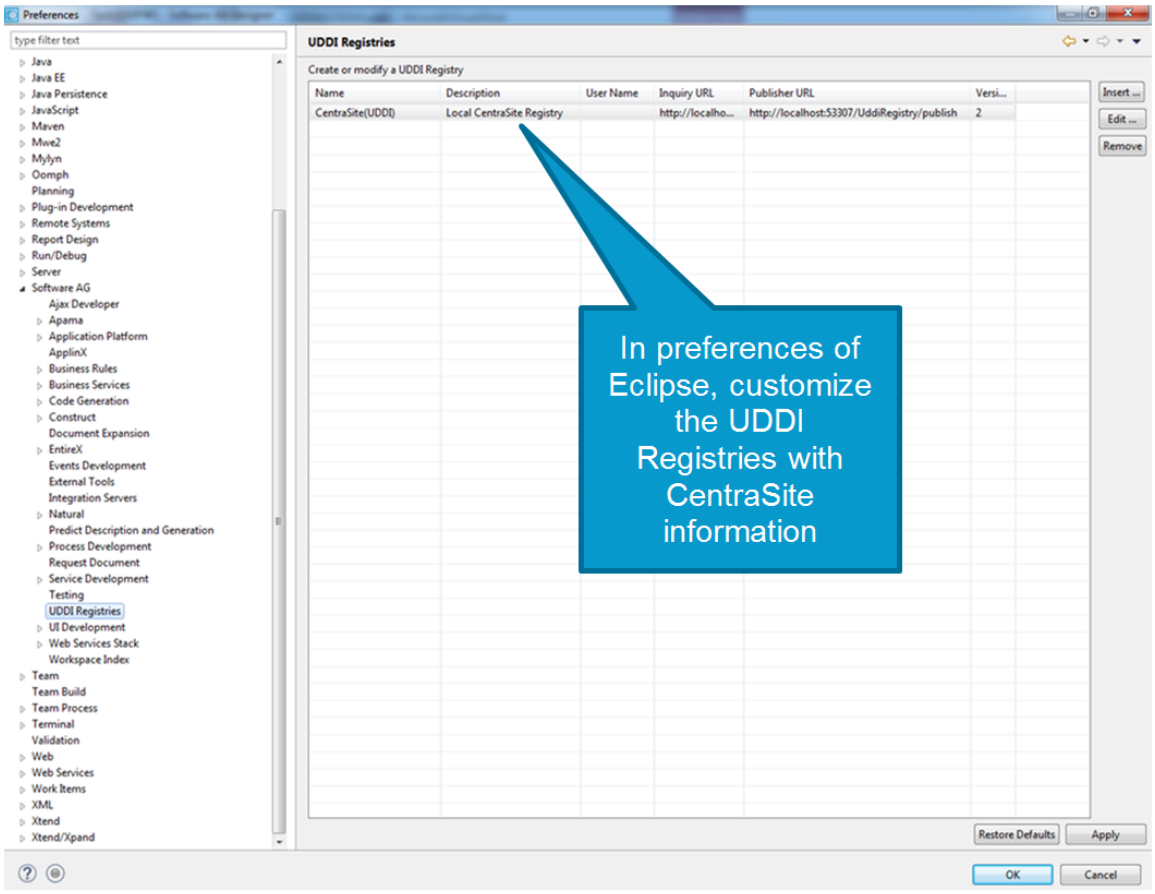

LEEMPWS.NSN
LEEMPWS
Test Subprogram
Data
#MATRICULA -> 30000100
#NOME -> LLOYD
Property
Value
Misc
IDL
#MATRICULA (A8) InOut
Name
#MATRICULA
Value
Value
30000100
Result of the LEEMPWS execution
Data
Connection

### Integration Server customization

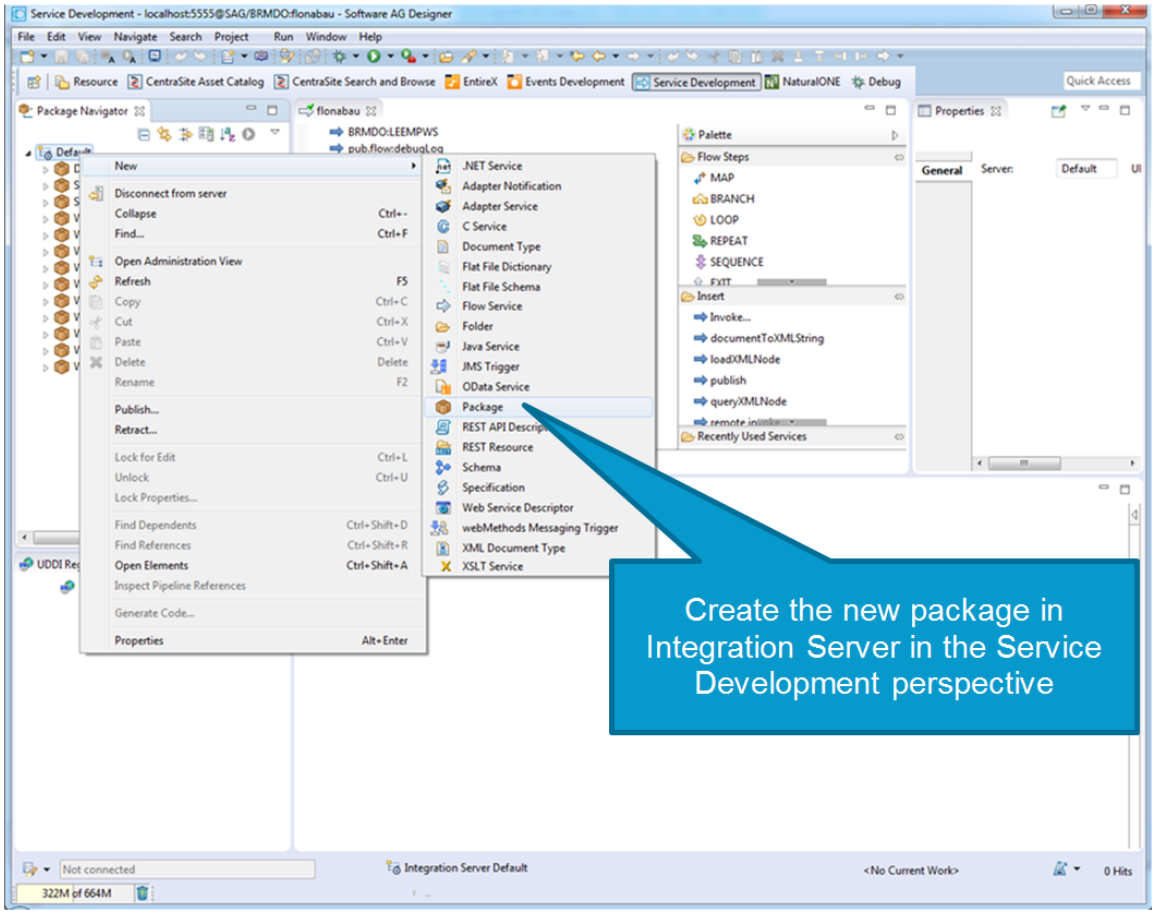


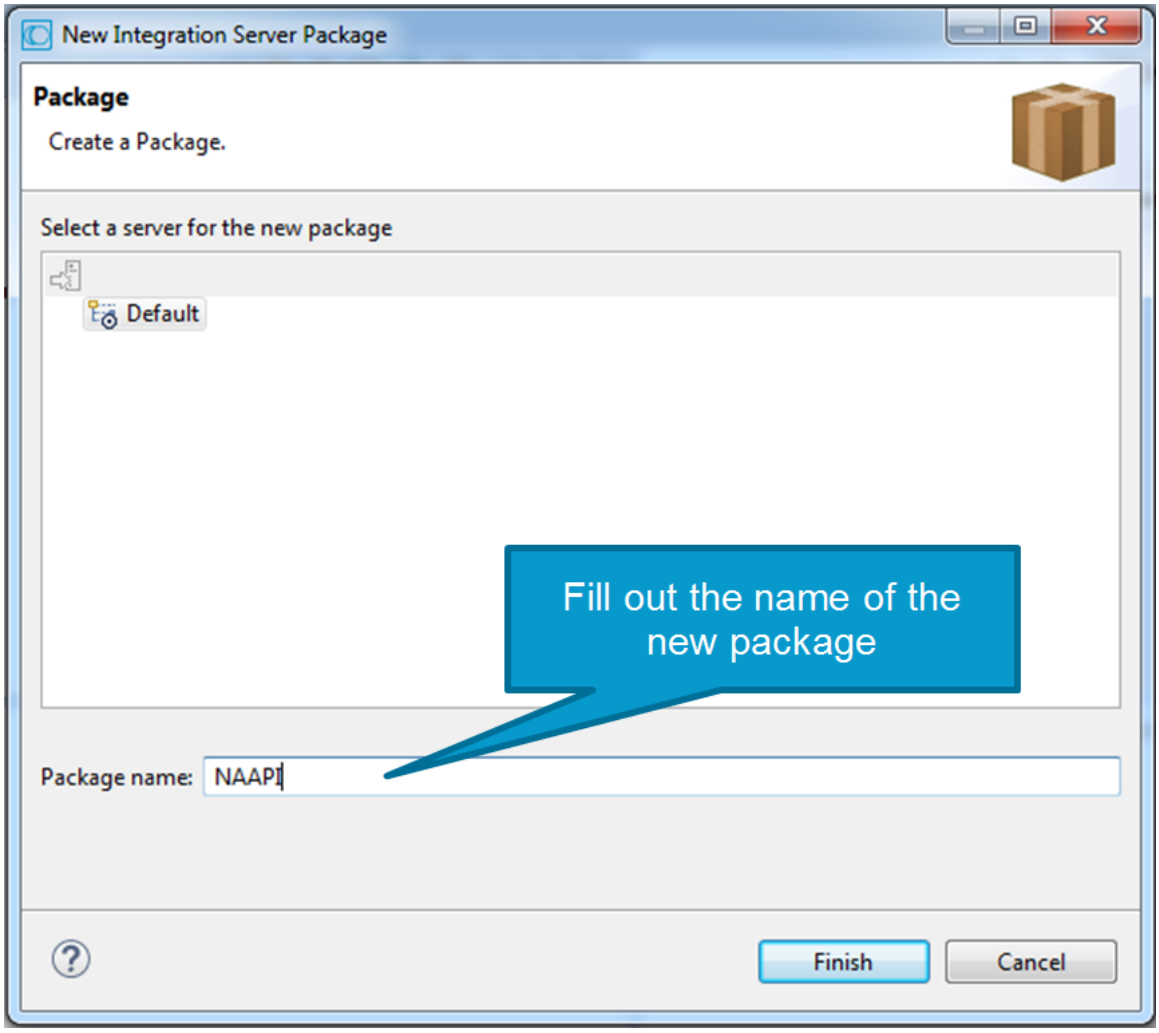



### CentraSite repository customization

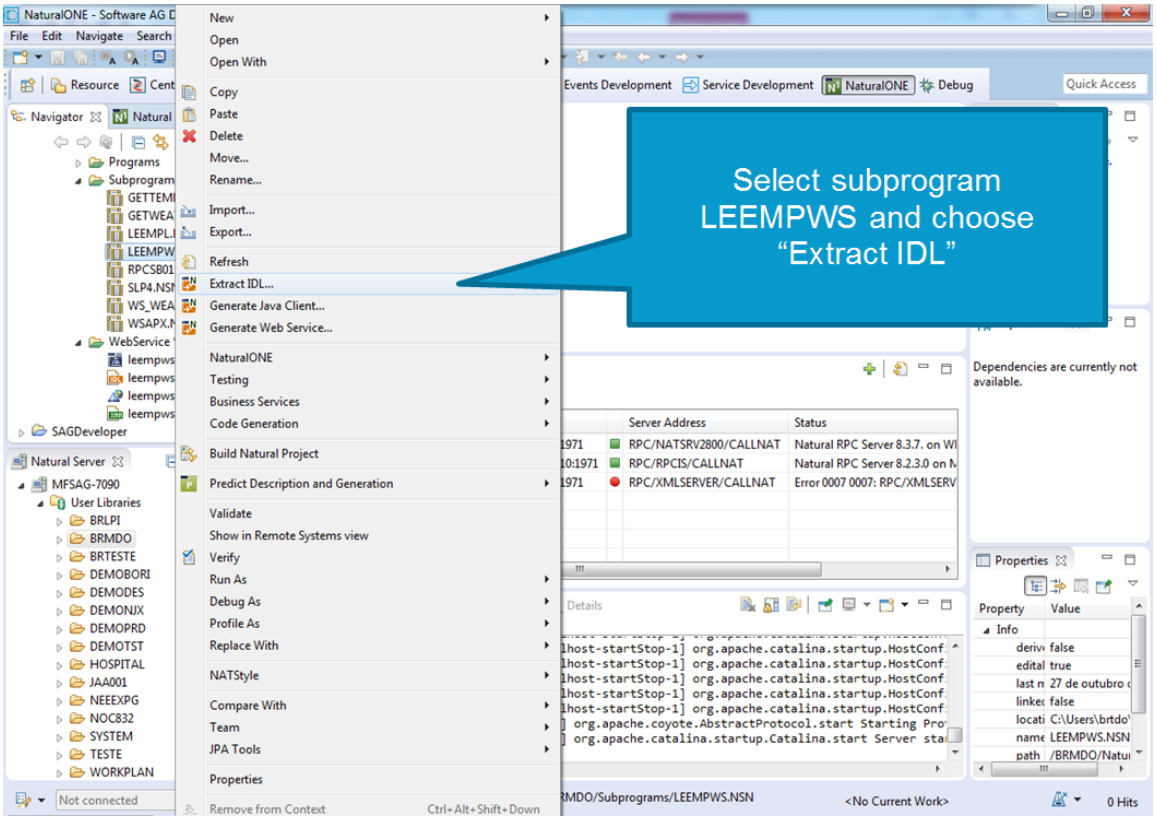


### Integration Server – Defining the package



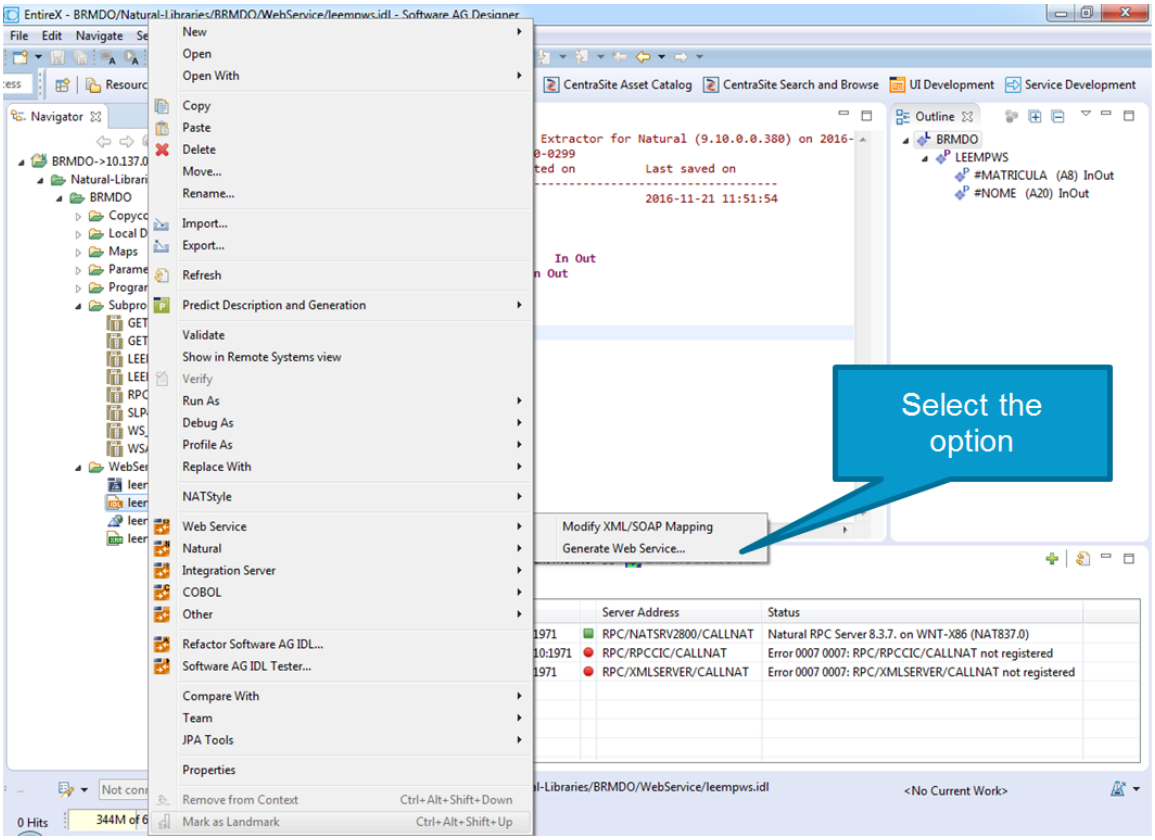

New Integration Server Package
Package
Create a Package.
Select a server for the new package
Default
Fill out the name of the new package
Package name:
NAAPI
Finish
Cancel

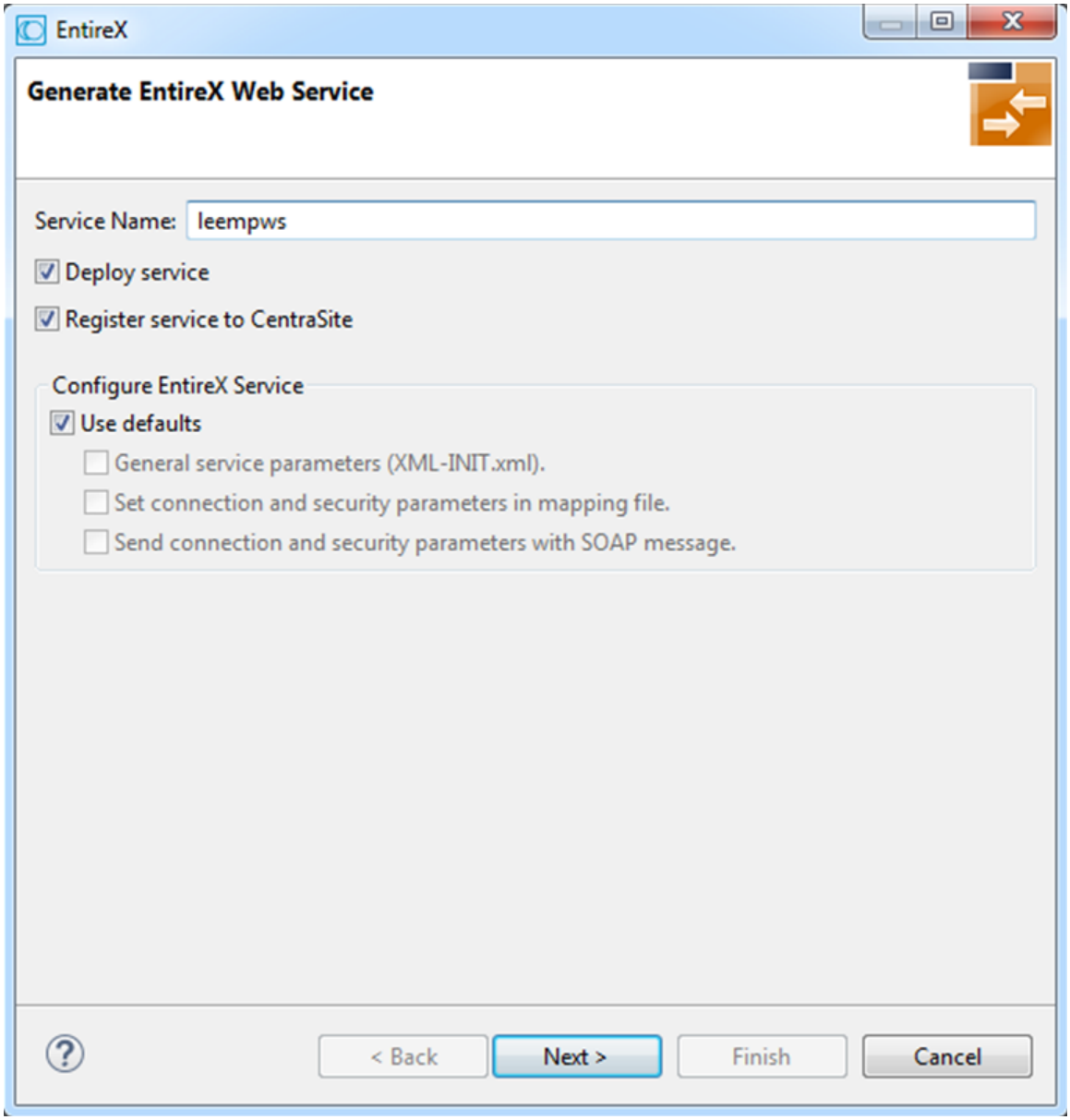
### Extracting the IDL from a Natural application

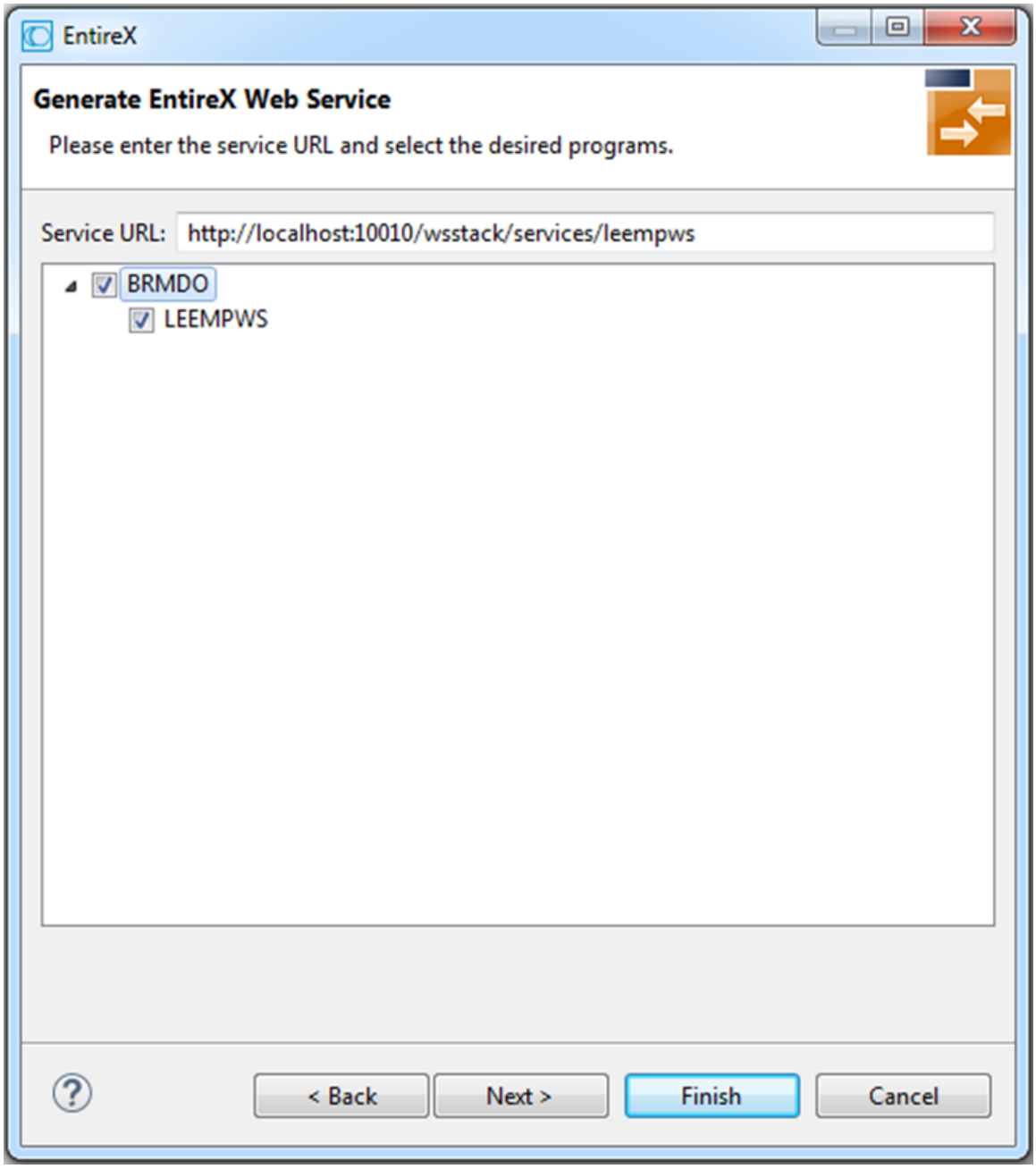


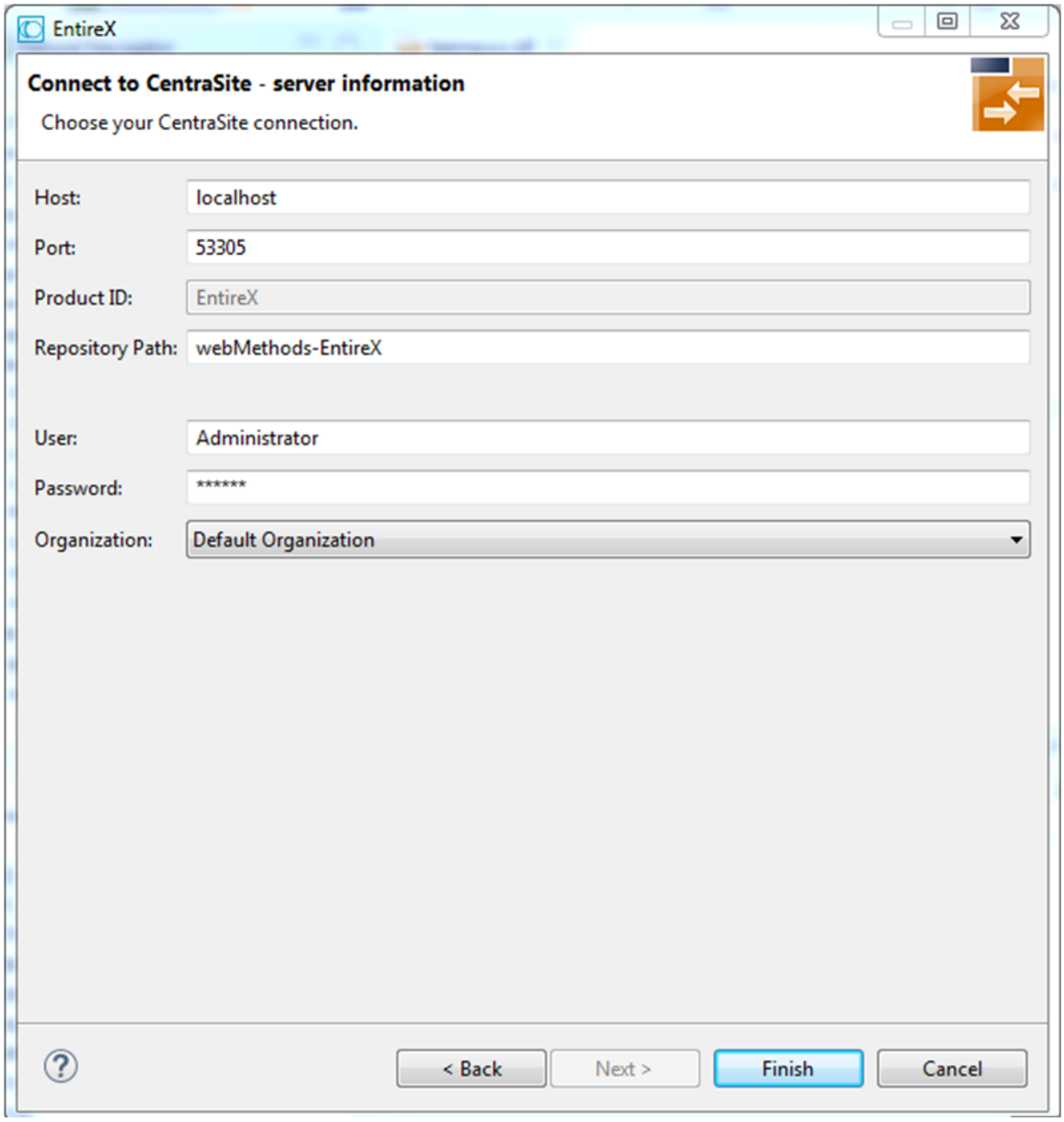

### Exposing the web service from EntireX Developer to CentraSite

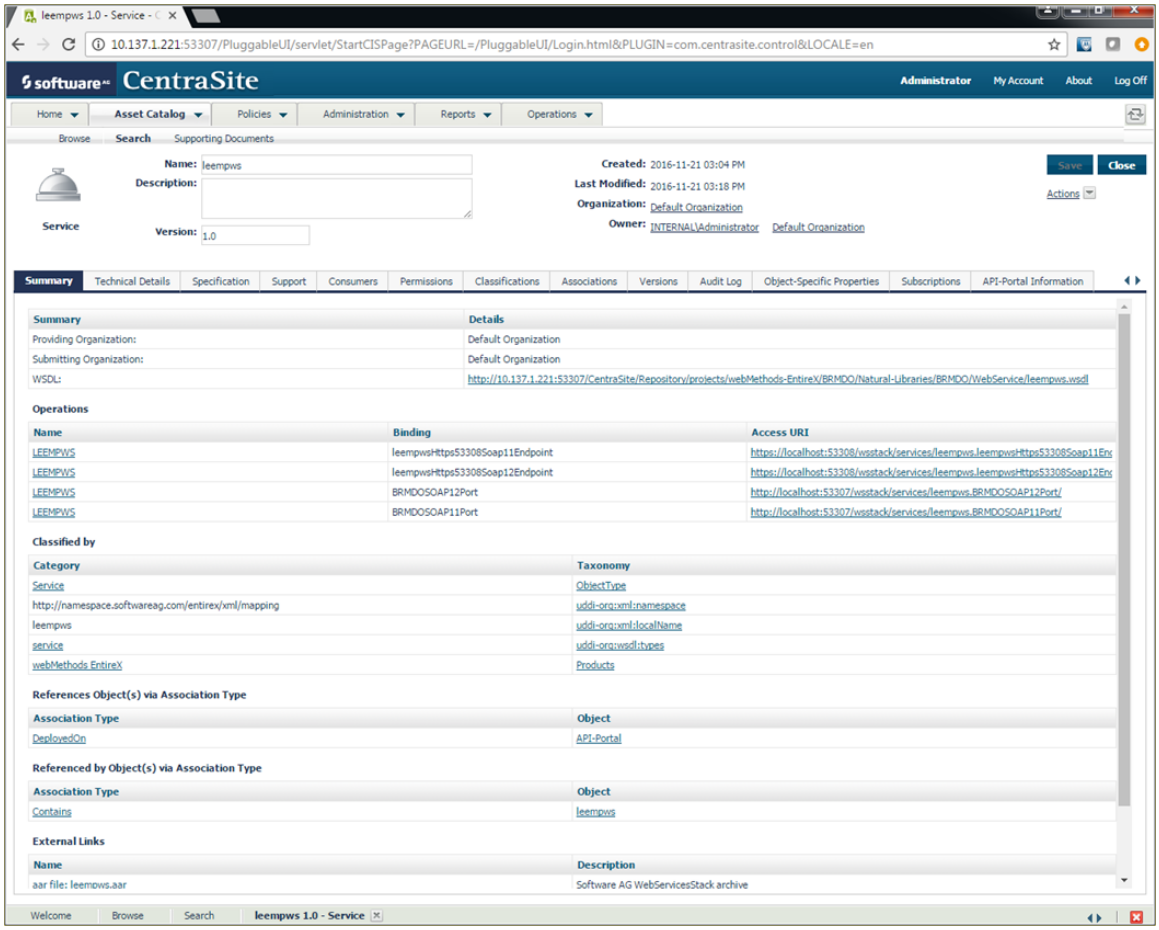
The web service can be exposed by Integration Server, where you can add new functionality of other application systems. In this example, the exposed web service is based on the IDL extracted from Natural.


Select the option
New
Open
Open With
Copy
Paste
Delete
Move...
Rename...
Import...
Export...
Refresh
Predict Description and Generation
Validate
Show in Remote Systems view
Verify
Run As
Debug As
Profile As
Replace With
NATStyle
Web Service
Natural
Integration Server
COBOL
Other
Refactor Software AG IDL...
Software AG IDL Tester...
Compare With
Team
JPA Tools
Properties
Remove from Context Ctrl+Alt+Shift+Down
Mark as Landmark Ctrl+Alt+Shift+Up
Modify XML/SOAP Mapping
Generate Web Service...
CentraSite Asset Catalog
CentraSite Search and Browse
UI Development
Service Development
Outline
BRMDO
LEEMPWS
#MATRICULA (A8) InOut
#NOME (A20) InOut
Server Address
Status
RPC/NATSRV2800/CALLNAT
Natural RPC Server 8.3.7. on WNT-X86 (NAT837.0)
RPC/RPCCIC/CALLNAT
Error 0007 0007: RPC/RPCCIC/CALLNAT not registered
RPC/XMLSERVER/CALLNAT
Error 0007 0007: RPC/XMLSERVER/CALLNAT not registered
<No Current Work>

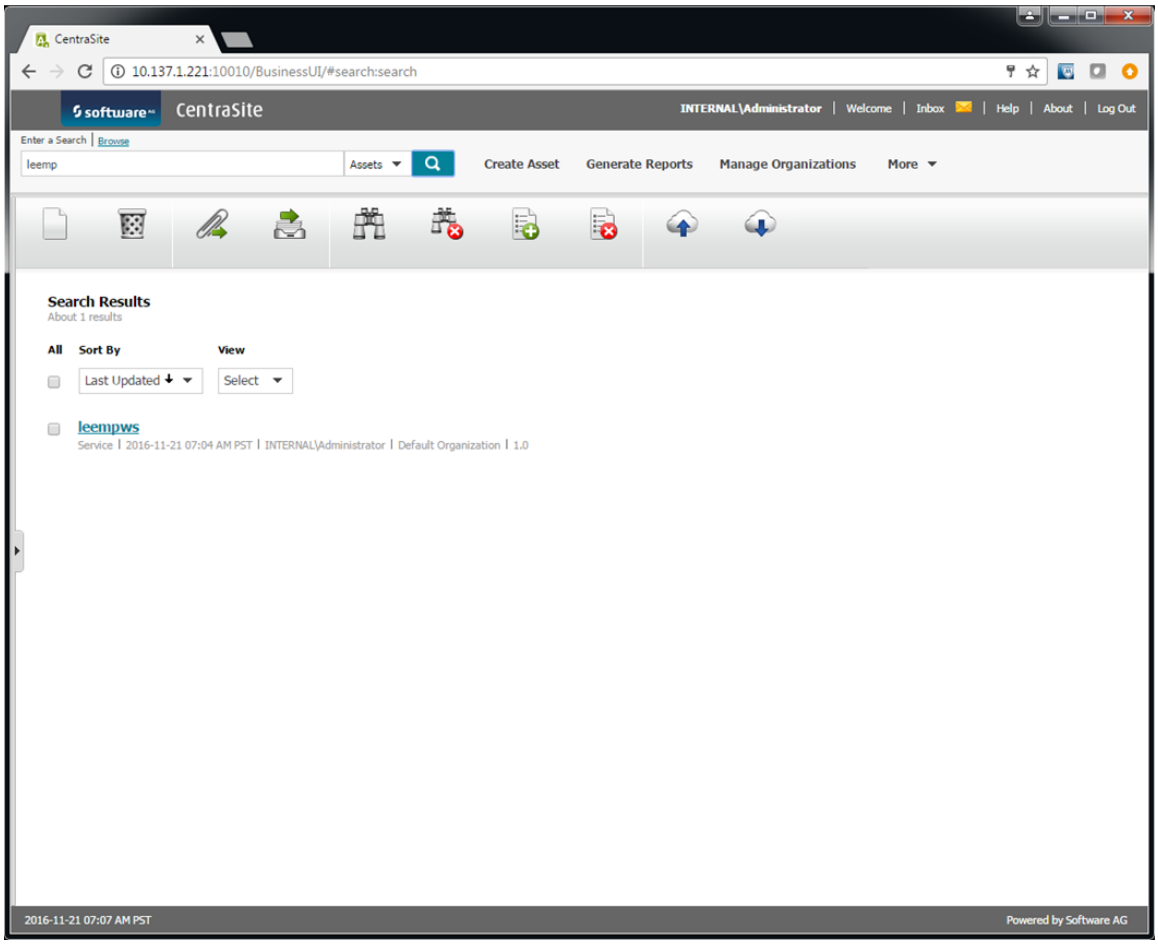

EntireX
Generate EntireX Web Service
Service Name: leempws
Deploy service
Register service to CentraSite
Configure EntireX Service
Use defaults
General service parameters (XML-INIT.xml).
Set connection and security parameters in mapping file.
Send connection and security parameters with SOAP message.
< Back
Next >
Finish
Cancel

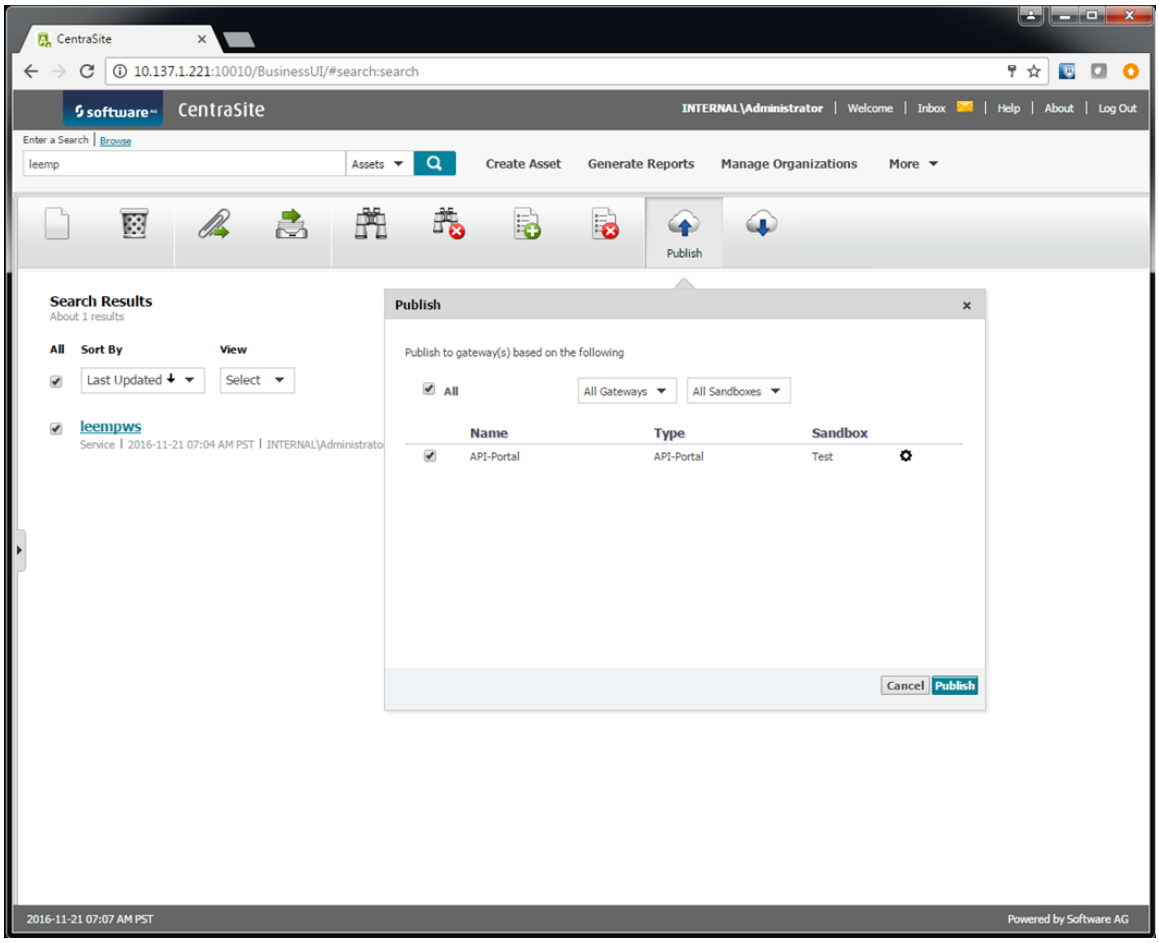

EntireX
Generate EntireX Web Service
Please enter the service URL and select the desired programs.
Service URL:
http://localhost:10010/wsstack/services/leempws
BRMDO
LEEMPWS
< Back
Next >
Finish
Cancel

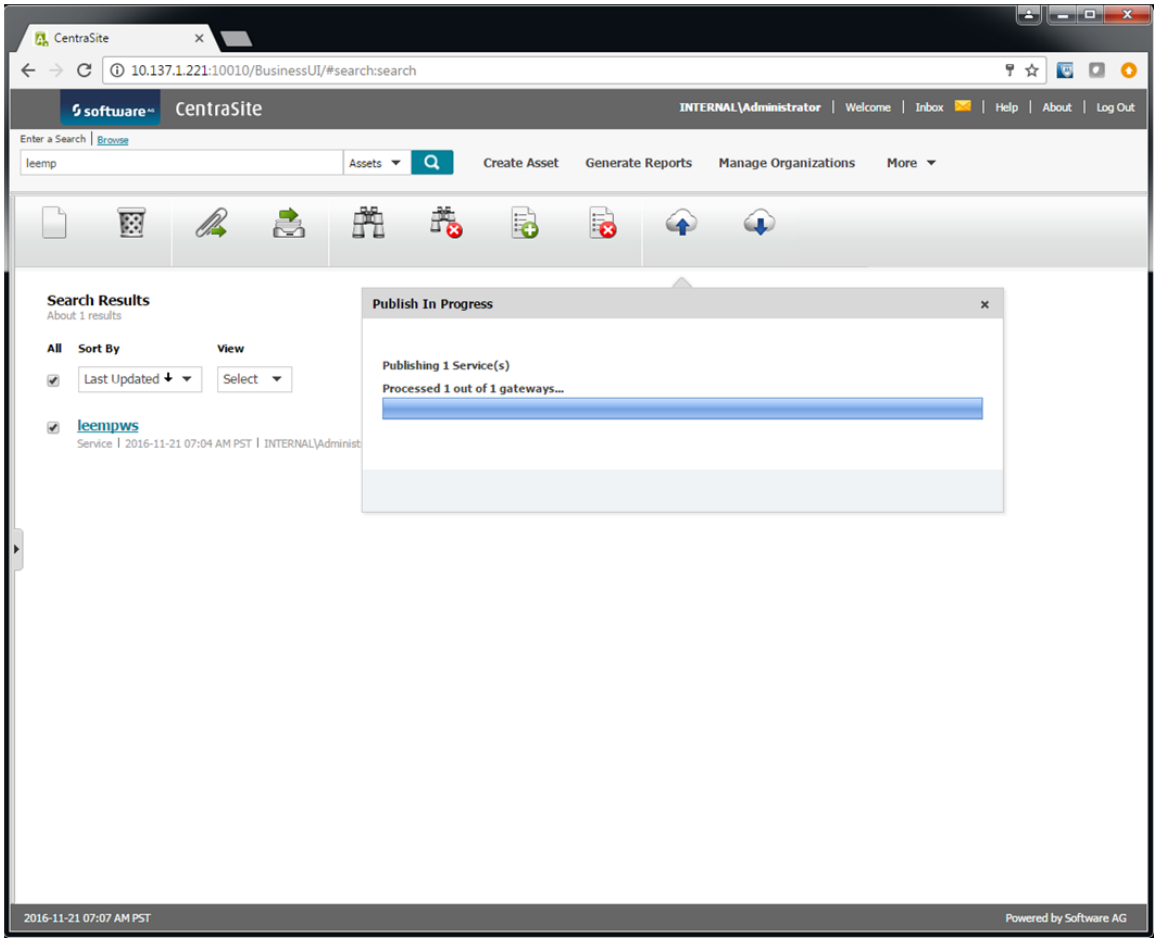

EntireX
Connect to CentraSite - server information
Choose your CentraSite connection.
Host:
localhost
Port:
53305
Product ID:
EntireX
Repository Path:
webMethods-EntireX
User:
Administrator
Password:
******
Organization:
Default Organization
< Back
Next >
Finish
Cancel


leempws 1.0 - Service -
10.137.1.221:53307/PluggableUI/servlet/StartCISPage?PAGEURL=/PluggableUI/Login.html&PLUGIN=com.centrasite.control&LOCALE=en
software AG
CentraSite
Administrator
My Account
About
Log Off
Home
Asset Catalog
Policies
Administration
Reports
Operations
Browse
Search
Supporting Documents
Name: leempws
Description:
Version: 1.0
Service
Created: 2016-11-21 03:04 PM
Last Modified: 2016-11-21 03:18 PM
Organization: Default Organization
Owner: INTERNAL\Administrator Default Organization
Save
Close
Actions
Summary
Technical Details
Specification
Support
Consumers
Permissions
Classifications
Associations
Versions
Audit Log
Object-Specific Properties
Subscriptions
API-Portal Information
Summary
Details
Providing Organization: Default Organization
Submitting Organization: Default Organization
WSDL: http://10.137.1.221:53307/CentraSite/Repository/projects/webMethods-EntireX/BRMDO/Natural-Libraries/BRMDO/WebService/leempws.wsdl
Operations
Name
Binding
Access URI
LEEMPWS
leempwsHttps53308Soap11Endpoint
https://localhost:53308/wsstack/services/leempws.leempwsHttps53308Soap11Enc
LEEMPWS
leempwsHttps53308Soap12Endpoint
https://localhost:53308/wsstack/services/leempws.leempwsHttps53308Soap12Enc
LEEMPWS
BRMDOSOAP12Port
http://localhost:53307/wsstack/services/leempws.BRMDOSOAP12Port/
LEEMPWS
BRMDOSOAP11Port
http://localhost:53307/wsstack/services/leempws.BRMDOSOAP11Port/
Classified by
Category
Taxonomy
Service
ObjectType
http://namespace.softwareag.com/entirex/xml/mapping
uddi-org:xml:namespace
leempws
uddi-org:xml:localName
service
uddi-org:wsdl:types
webMethods EntireX
Products
References Object(s) via Association Type
Association Type
Object
DeployedOn
API-Portal
Referenced by Object(s) via Association Type
Association Type
Object
Contains
leempws
External Links
Name
Description
aar file: leempws.aar
Software AG WebServicesStack archive
Welcome
Browse
Search
leempws 1.0 - Service

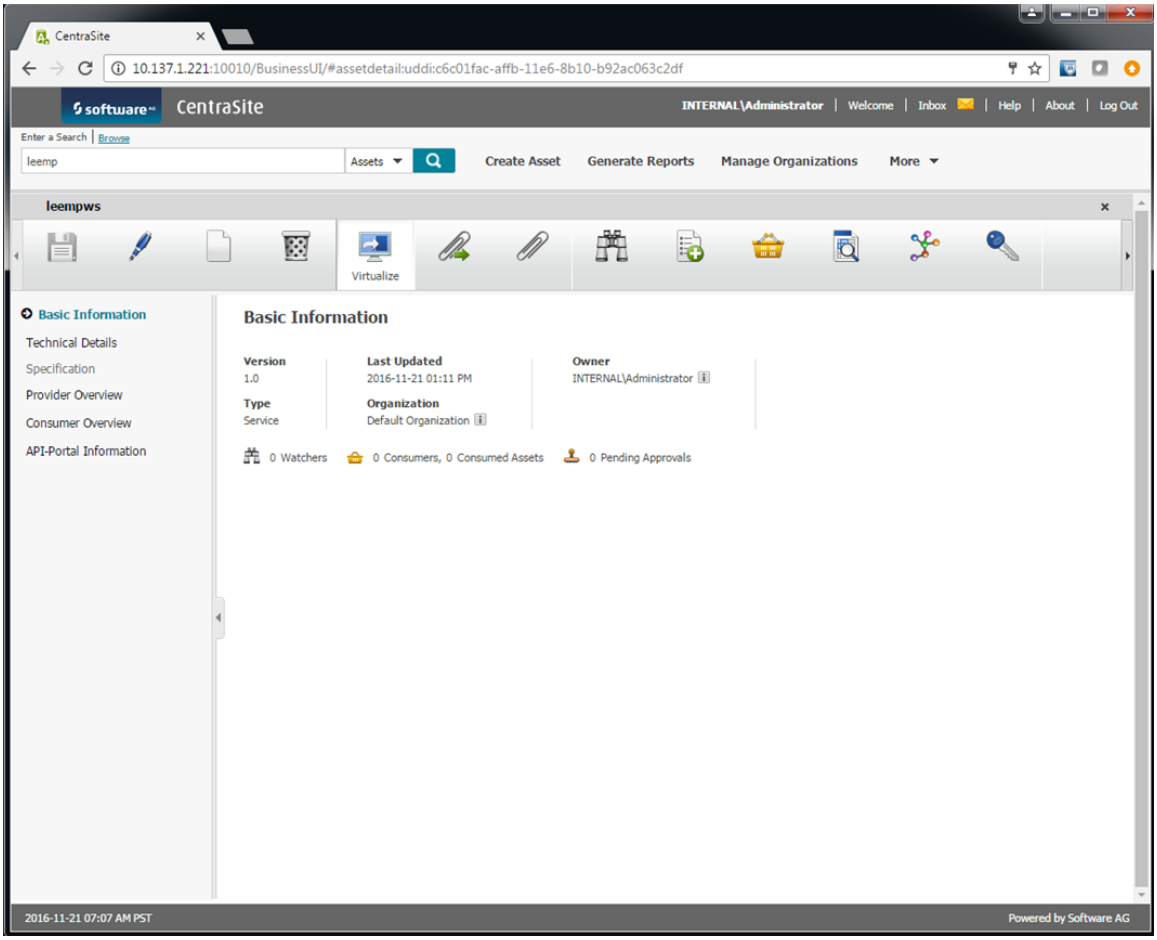
### Exposing the service from CentraSite to API-Portal

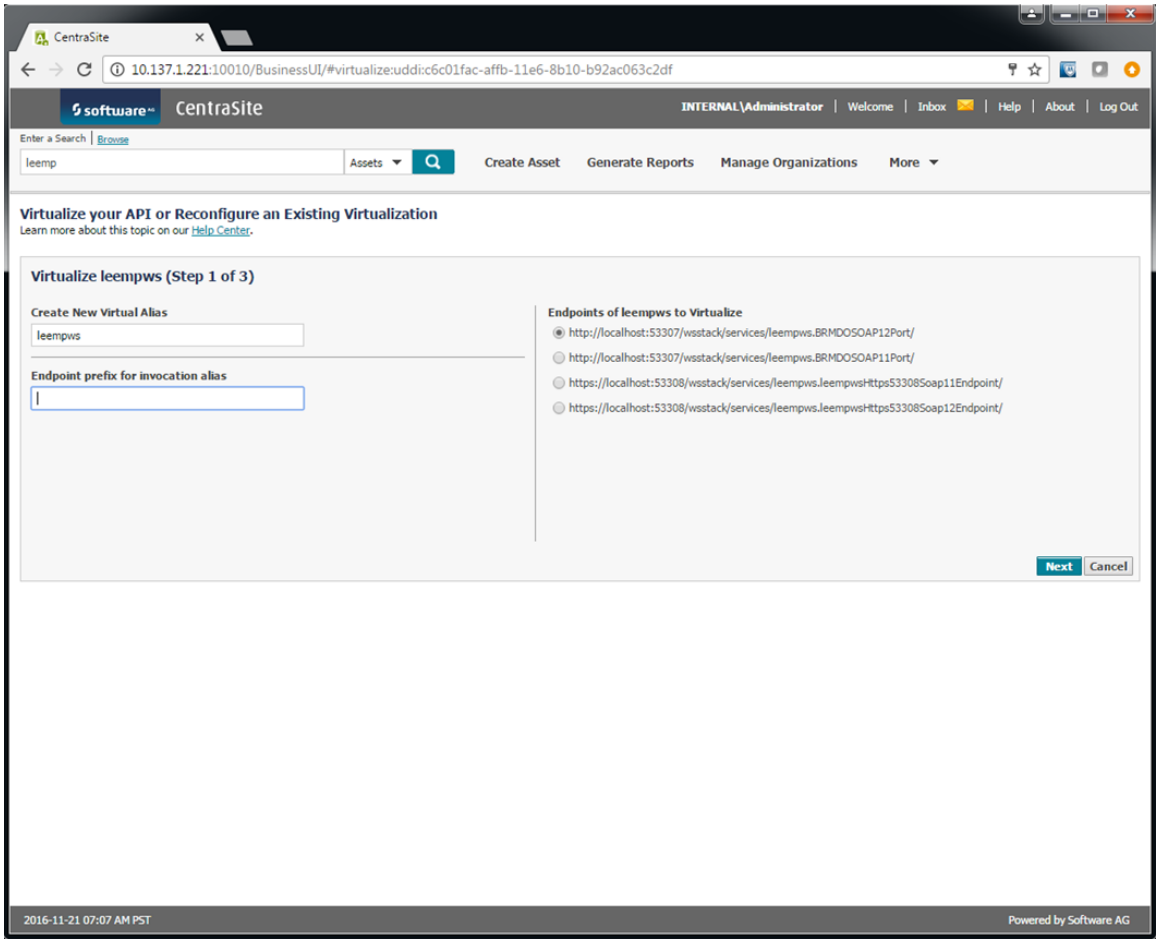


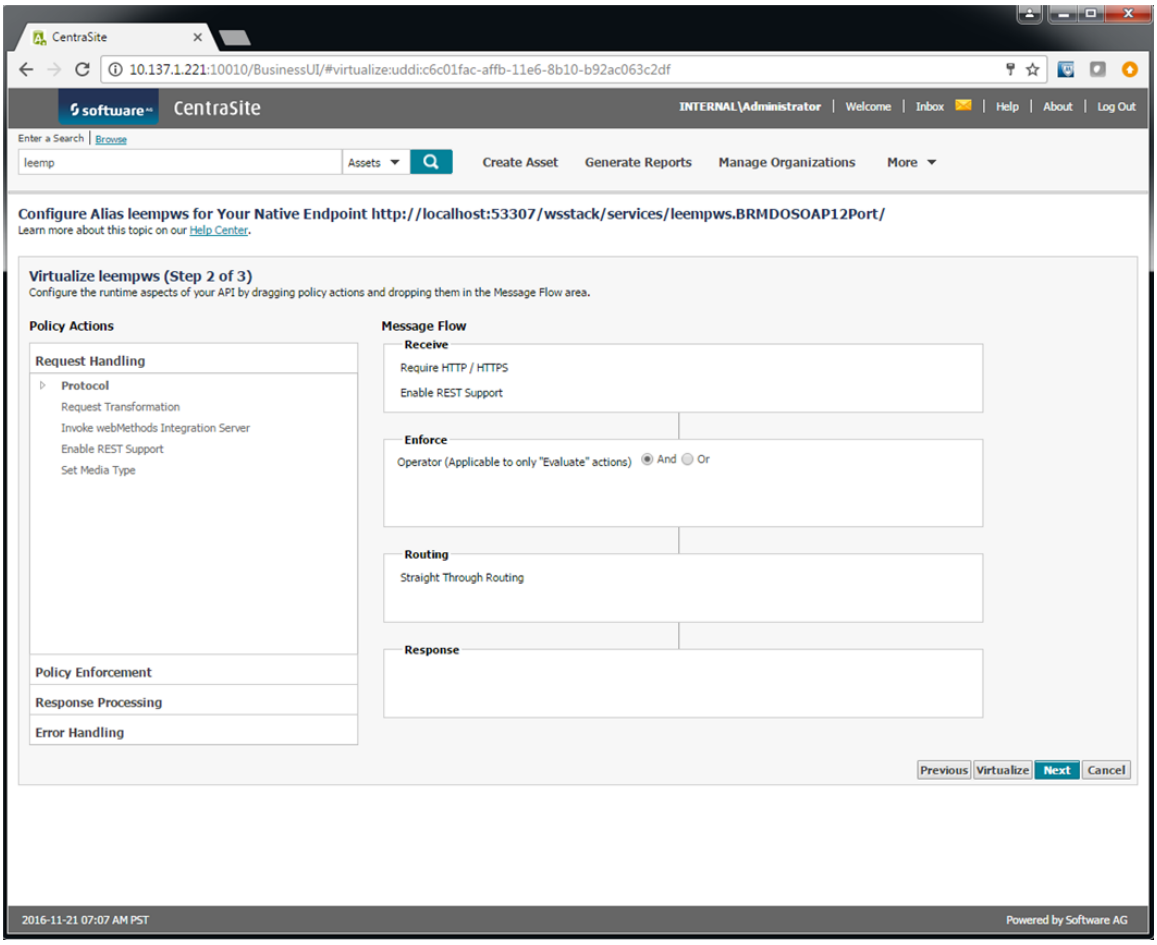

CentraSite
10.137.1.221:10010/BusinessUI/#search:search
software
CentraSite
INTERNAL\Administrator | Welcome | Inbox | Help | About | Log Out
Enter a Search | Browse
leemp
Assets
Create Asset
Generate Reports
Manage Organizations
More
Publish
Search Results
About 1 results
All
Sort By
View
Last Updated
Select
leempws
Service | 2016-11-21 07:04 AM PST | INTERNAL\Administrato
Publish
Publish to gateway(s) based on the following
All
All Gateways
All Sandboxes
Name
Type
Sandbox
API-Portal
API-Portal
Test
Cancel
Publish
2016-11-21 07:07 AM PST
Powered by Software AG

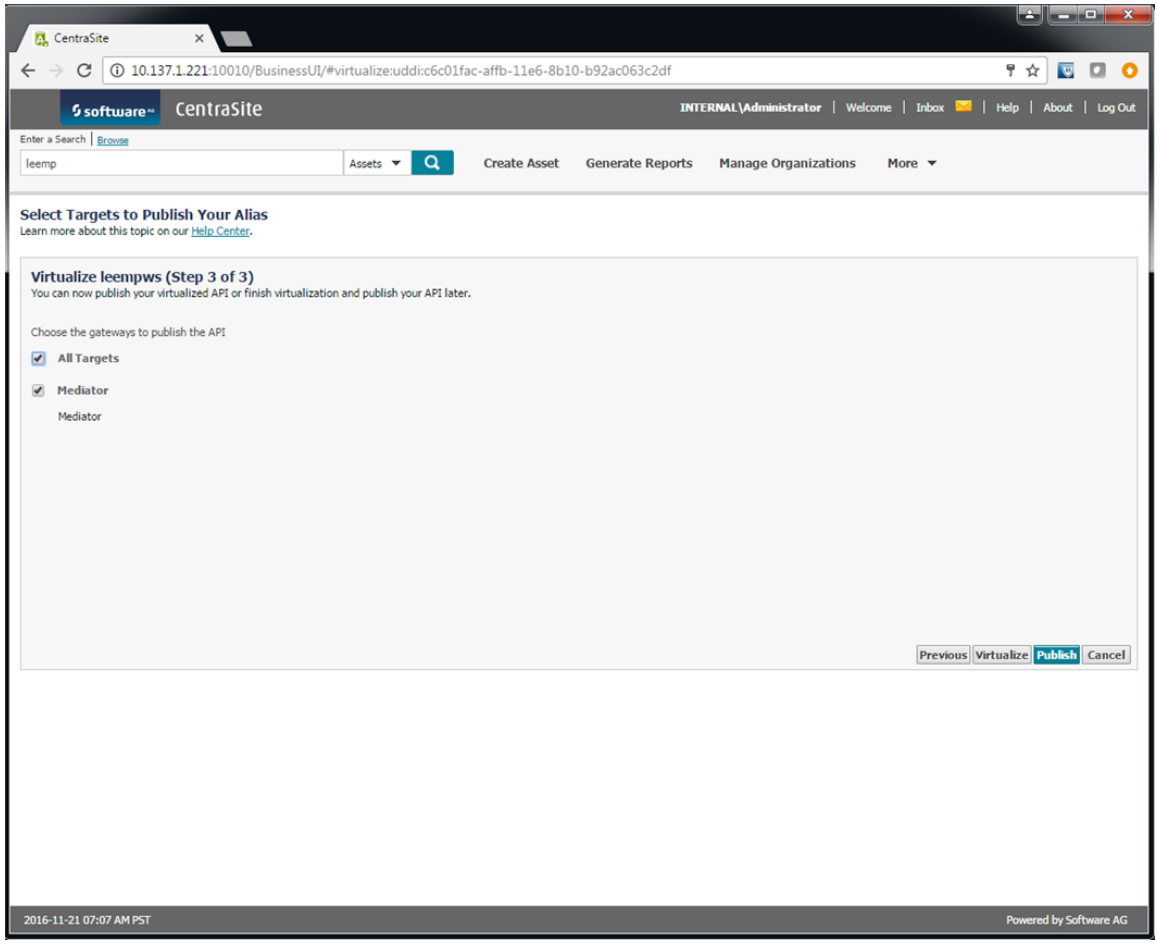

CentraSite
10.137.1.221:10010/BusinessUI/#search:search
software
CentraSite
INTERNAL\Administrator | Welcome | Inbox | Help | About | Log Out
Enter a Search | Browse
leemp
Assets
Create Asset
Generate Reports
Manage Organizations
More
Search Results
About 1 results
All
Sort By
View
Last Updated
Select
leempws
Service | 2016-11-21 07:04 AM PST | INTERNAL\Administ
Publish In Progress
Publishing 1 Service(s)
Processed 1 out of 1 gateways...
2016-11-21 07:07 AM PST
Powered by Software AG

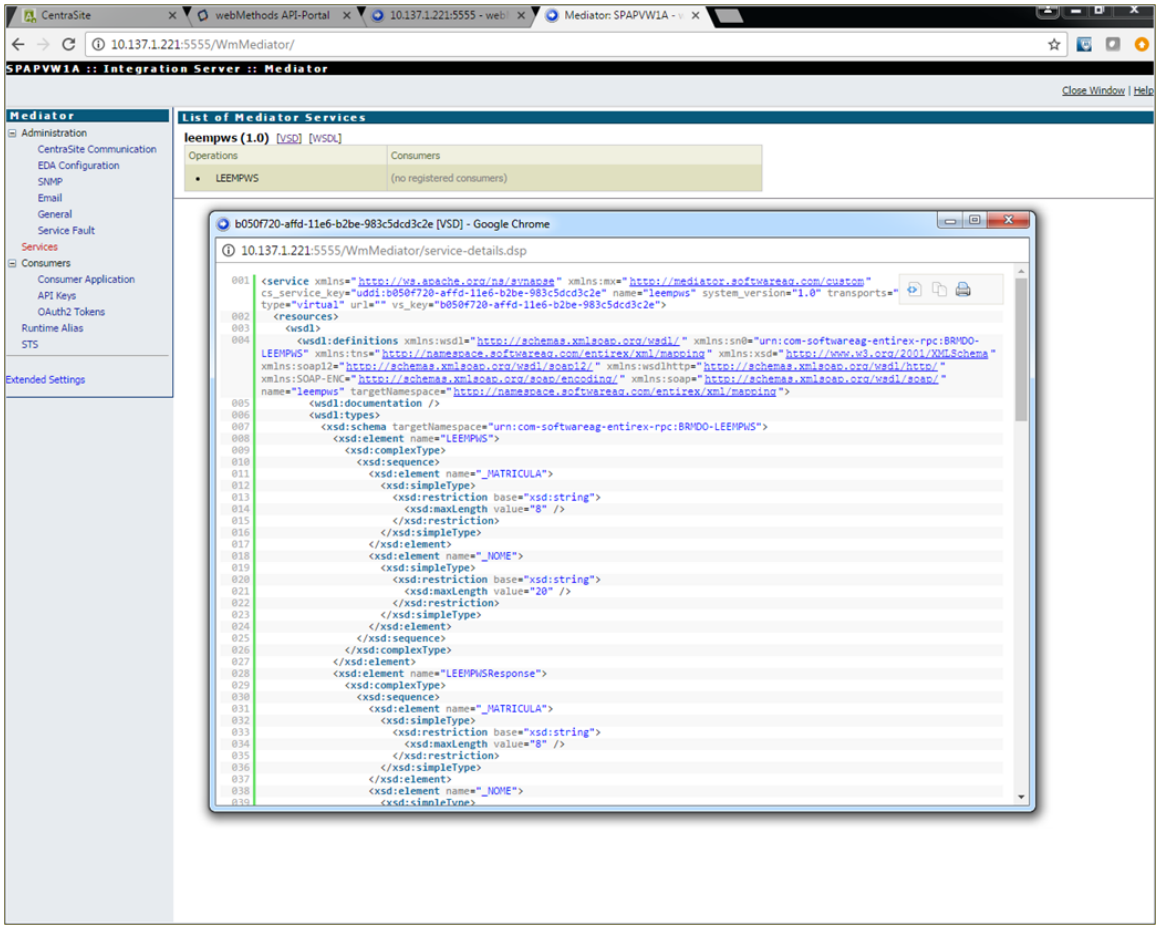
### Virtualizing the service and publishing to Mediator




CentraSite
10.137.1.221:10010/BusinessUI/#virtualize:uddi:c6c01fac-affb-11e6-8b10-b92ac063c2df
software
CentraSite
INTERNAL\Administrator | Welcome | Inbox | Help | About | Log Out
Enter a Search | Browse
leemp
Assets
Create Asset
Generate Reports
Manage Organizations
More
Virtualize your API or Reconfigure an Existing Virtualization
Learn more about this topic on our Help Center.
Virtualize leempws (Step 1 of 3)
Create New Virtual Alias
leempws
Endpoint prefix for invocation alias
Endpoints of leempws to Virtualize
http://localhost:53307/wsstack/services/leempws.BRMDOSOAP12Port/
http://localhost:53307/wsstack/services/leempws.BRMDOSOAP11Port/
https://localhost:53308/wsstack/services/leempws.leempwsHttps53308Soap11Endpoint/
https://localhost:53308/wsstack/services/leempws.leempwsHttps53308Soap12Endpoint/
Next
Cancel
2016-11-21 07:07 AM PST
Powered by Software AG


CentraSite
10.137.1.221:10010/BusinessUI/#virtualize:uddi:c6c01fac-affb-11e6-8b10-b92ac063c2df
software
CentraSite
INTERNAL\Administrator | Welcome | Inbox | Help | About | Log Out
Enter a Search | Browse
leemp
Assets
Create Asset
Generate Reports
Manage Organizations
More
Configure Alias leempws for Your Native Endpoint http://localhost:53307/wsstack/services/leempws.BRMDOSOAP12Port/
Learn more about this topic on our Help Center.
Virtualize leempws (Step 2 of 3)
Configure the runtime aspects of your API by dragging policy actions and dropping them in the Message Flow area.
Policy Actions
Request Handling
Protocol
Request Transformation
Invoke webMethods Integration Server
Enable REST Support
Set Media Type
Policy Enforcement
Response Processing
Error Handling
Message Flow
Receive
Require HTTP / HTTPS
Enable REST Support
Enforce
Operator (Applicable to only "Evaluate" actions) And Or
Routing
Straight Through Routing
Response
Previous
Virtualize
Next
Cancel
2016-11-21 07:07 AM PST
Powered by Software AG


CentraSite
10.137.1.221:10010/BusinessUI/#virtualize:uddi:c6c01fac-affb-11e6-8b10-b92ac063c2df
software
CentraSite
INTERNAL\Administrator | Welcome | Inbox | Help | About | Log Out
Enter a Search | Browse
leemp
Assets
Create Asset
Generate Reports
Manage Organizations
More
Select Targets to Publish Your Alias
Learn more about this topic on our Help Center.
Virtualize leempws (Step 3 of 3)
You can now publish your virtualized API or finish virtualization and publish your API later.
Choose the gateways to publish the API
All Targets
Mediator
Mediator
Previous
Virtualize
Publish
Cancel
2016-11-21 07:07 AM PST
Powered by Software AG


CentraSite
webMethods API-Portal
Mediator: SPAPVW1A -
10.137.1.221:5555/WmMediator/
SPAPVW1A :: Integration Server :: Mediator
Close Window | Help
Mediator
Administration
CentraSite Communication
EDA Configuration
SNMP
Email
General
Service Fault
Services
Consumers
Consumer Application
API Keys
OAuth2 Tokens
Runtime Alias
STS
Extended Settings
List of Mediator Services
leempws (1.0) [VSD] [WSDL]
Operations
Consumers
LEEMPWS
(no registered consumers)
b050f720-affd-11e6-b2be-983c5dcd3c2e [VSD] - Google Chrome
10.137.1.221:5555/WmMediator/service-details.dsp

## Visualizing the API in API-Portal