

SAP NetWeaver – Demo Model: Java Demo Enterprise Services (Enhancement Package 1 for SAP NetWeaver Composition Environment 7.1)



Applies to:

Enhancement Package 1 for SAP NetWeaver Composition Environment 7.1.
For more information, visit the [Composition homepage](#).

Summary

The purpose of this article is to describe the definition and usage of Demo Enterprise Services which are automatically deployed during a CE 7.1 EHP1 installation. Furthermore it is explained how to import the definitions of these services into the ESR. Besides it is important to mention that the Demo Enterprise Services are one element of the SAP NetWeaver – Demo Model which has been developed to ensure consistent demos, training material, and documentation across all SAP NetWeaver technologies.

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Author Bio



Matthias Kretschmer joined SAP in September 2001 as a BA Student (Information Technology). During his studies Matthias had the opportunity to gain an insight into several departments within SAP, e.g. Mobile Infrastructure, Technology Consulting and MaxDB. Matthias successfully completed his studies in September 2004. From 01.10.2004 until 31.07.2006 Matthias worked in the SAP NetWeaver ESI F XPI department (XI Runtime, Monitoring) as a software developer (Java, ABAP). At the moment Matthias works as a product specialist for the SAP NetWeaver Demo Team within SAP NetWeaver Product Management. Here he is mainly responsible for Composition and Process Integration topics.

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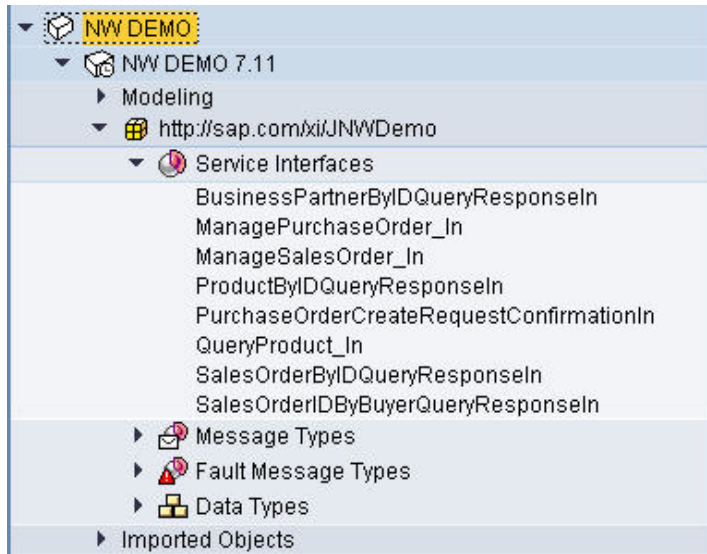
Java Demo Enterprise Services – Definition

This chapter illustrates the definition of the Demo Enterprise Services which operate on the following 4 Business Objects: Sales Order, Purchase Order, Business Partner, and Product. These Services are e.g. the foundation of the [SAP NetWeaver CE Sample Application Customer Service Care](#).

As the Demo Enterprise Services follow the Outside-In Approach they were designed in the Enterprise Service Builder of the Enterprise Services Repository. This design content consists of the following elements:

- Service Interfaces
- Message Types
- Data Types based on Global Data Types

All these elements are part of the software component version *NW DEMO 7.11*:



How to Get the Demo Enterprise Service Definitions

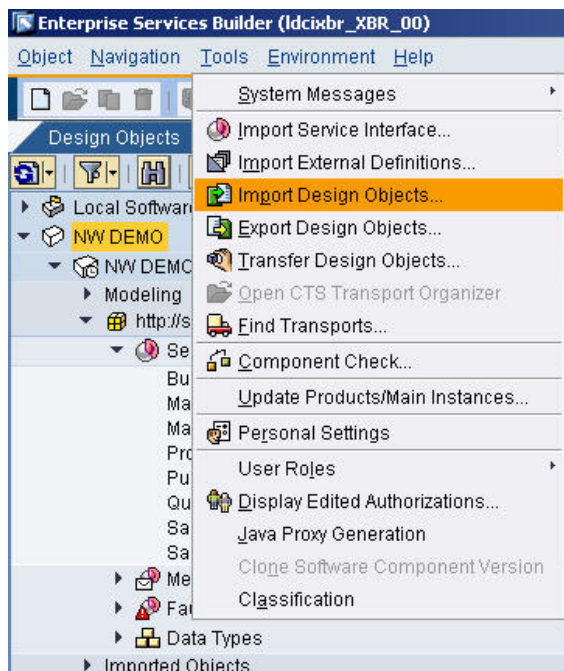
NW DEMO 7.11 can be downloaded from SAP Service Marketplace: <http://service.sap.com>. Please navigate to the following section:



The screenshot shows the SAP Software Distribution Center (SDC) website. The breadcrumb trail is: Support Packages and Patches → SAP NetWeaver → SAP NETWEAVER → SAP FHP1 FOR SAP NW CE 7.1 → Entry by Component → Enterprise Services Repository. Under the Enterprise Services Repository section, the following components are listed:

- [BASIC APPLICATION LIBRARY 7.11](#)
- [BI WEBDYNPRO ALV 7.11](#)
- [CE LIFECYCLE MGMT MODEL 7.11](#)
- [CEUPDATE 7.11](#)
- [DI BUILD TOOL 7.11](#)
- [DI CLIENTS 7.11](#)
- [EDM JAVA EE 5 REF APPL 7.11](#)
- [ENGINEAPI 7.11](#)
- [ES REGISTRY BASIC 7.11](#)
- [ES UDDI 7.11](#)
- [ESI - ES PROTOCOL 7.11](#)
- [ESI - WSRM 7.11](#)
- [ESI USER INTERFACE 7.11](#)
- [ESR 7.11](#)
- [ESREGISTRY SERVICES 7.11](#)
- [J2EE ENGINE APPLICATIONS 7.11](#)
- [J2EE ENGINE BASE TABLES 7.11](#)
- [J2EE ENGINE CORE TOOLS 7.11](#)
- [J2EE ENGINE FACADE 7.11](#)
- [WEB DYNPRO RUNTIME 7.11](#)
- [XI CONTENT NW DEMO 7.11](#)
 - [#Database independent](#)
- [XI CONTENT SAP BASIS 7.11](#)
- [ZERO ADMIN TEMPLATES CE 7.11](#)

After successfully downloading this .zip file you have to extract it and import it into the ESR. This can be done in the Enterprise Service Builder: Tools => Import Design Objects.



The screenshot shows the Enterprise Services Builder (ESB) interface. The 'Tools' menu is open, and the 'Import Design Objects...' option is highlighted. The menu items include: System Messages, Import Service Interface..., Import External Definitions..., Import Design Objects..., Export Design Objects..., Transfer Design Objects..., Open CTS Transport Organizer, Find Transports..., Component Check..., Update Products/Main Instances..., Personal Settings, User Roles, Display Edited Authorizations..., Java Proxy Generation, Clone Software Component Version, and Classification.

Java Demo Enterprise Services – Usage

This chapter describes the use of the Demo Enterprise Services which operate on the following 4 Business Objects: Sales Order, Purchase Order, Business Partner, and Product. These services are included in the software component archive (SCA) *SAPNWDEMO* which is automatically deployed during a CE installation. Therefore you can test them via the Web Services Navigator on any SAP NetWeaver CE 7.1 system <http://<host>:<port>/wsnavigator> (User has to have proper access rights).

Prerequisites

To be able to use these Demo Enterprise Services you have to execute the following procedure:

1. Open the start page of the SAP NetWeaver Application Server Java using the following URL:
<http://<host>:<port>>
2. Choose *Web Services Navigator*.
3. Enter the following URL in the WSDL URL field:
<http://<host>:<port>/NWDemoAdminService/NWDemoAdmin?wsdl>

The screenshot shows the 'Service Test' interface in the SAP NetWeaver Web Services Navigator. The progress bar at the top indicates four steps: 1. Service, 2. Operation, 3. Input Parameters, and 4. Result. Step 1 is currently selected. Below the progress bar, there are 'Previous' and 'Next' buttons. The 'Service Information' section displays the following details: Interface Name: {http://ejb.nwdemo.sap.com}/NWDemoAdmin; Operation: generateData; WSDL URL: http://localhost:50000/NWDemoAdminService/NWDemoAdmin?wsdl; Port Name: NWDemoAdminPort; Timeout: 60. There is an 'Execution Parameters' button below this section. The 'Search Parameters' section shows 'Search Type' set to 'WSDL' (selected) and 'Physical System', 'Logical Destination', and 'Services Registry' as unselected options. The 'WSDL URL' field contains the text 'inService/NWDemoAdmin?wsdl'.

4. Choose *Next*.
5. Select the *generateData* operation and choose *Next* until the Result screen appears.

This screenshot shows the same 'Service Test' interface, but now step 2, 'Operation', is selected in the progress bar. The 'Service Information' section remains the same. Below it, the 'Operation Name' field is visible, and the 'generateData' operation is selected and highlighted in orange.

6. Choose *Execute*.

The screenshot displays the SAP Service Test interface. At the top, there are two tabs: "Service Test" (selected) and "Test Scenario". Below the tabs is a process flow diagram with four steps: 1. Service, 2. Operation, 3. Input Parameters, and 4. Result. Step 4 is highlighted in yellow. Below the flow diagram are "Previous" and "Next" navigation buttons.

Service Information

Interface Name: {http://ejb.nwdemo.sap.com}NWDemoAdmin
Operation: generateData
WSDL URL: <http://localhost:50000/NWDemoAdminService/NWDemoAdmin?wsdl>
Port Name: NWDemoAdminPort
Timeout: 60
User Name: demo
[Execution Parameters](#)

Execute | [Add to Test Scenario](#)

Parameters	Result
<input type="checkbox"/> generateData.	

XML Content | **HTTP Log**

XML Content | **HTTP Log**

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xml
```

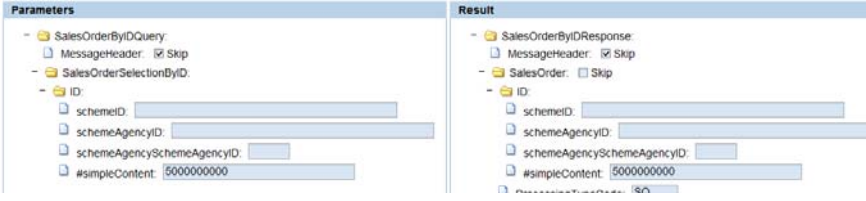
Sales Order

a) Sales Order by ID

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	SalesOrderByIdQueryResponseIn
Namespace in ESR	http://sap.com/xi/NWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/SalesOrderByIdQueryResponseInService/SalesOrderByIdQueryResponseIn?wsdl=1.1">http://<host>:<port>/SalesOrderByIdQueryResponseInService/SalesOrderByIdQueryResponseIn?wsdl=1.1

Definition

Operation	SalesOrderByIdQueryResponseIn	
Description	The service <i>Sales Order by ID</i> is used by the seller to display a sales order.	
Use		
Mandatory Attributes	Sales Order ID	ID of the Sales Order in the back-end system, range: 5000000000 to 5000000249
	schemeID	Any Value
	schemeAgencyID	Any Value
	schemeAgencySchemeAgencyID	Any Value

Features

This service processes the following message types:

- SalesOrderByIDQuery
- SalesOrderByIDResponse

Error Handling

The input parameters are checked for consistency and plausibility. If the order cannot be displayed, the error message is published in the message log.

b) Sales Order ID by Buyer

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	SalesOrderIDByBuyerQueryResponseIn
Namespace in ESR	http://sap.com/xi/NWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/SalesOrderIDByBuyerQueryResponseInService/SalesOrderIDByBuyerQueryResponseIn?wsdl=1.1">http://<host>:<port>/SalesOrderIDByBuyerQueryResponseInService/SalesOrderIDByBuyerQueryResponseIn?wsdl=1.1

Definition

Operation	SalesOrderIDByBuyerQueryResponseIn					
Description	The service <i>Sales Order ID by Buyer</i> enables the seller to search for the sales orders per business partner.					
Use	<table border="1"> <thead> <tr> <th>Parameters</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> - SalesOrderIDByBuyerQuery: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderIDSelectionByBuyer: <ul style="list-style-type: none"> BuyerID: <input type="text" value="14"/> </td> <td> <ul style="list-style-type: none"> - SalesOrderIDByBuyerResponse: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderID []: <ul style="list-style-type: none"> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD: schemeAgencyID: schemeAgencySchemeAgencyID: #simpleContent: <input type="text" value="5000000005"/> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD: </td> </tr> </tbody> </table>		Parameters	Result	<ul style="list-style-type: none"> - SalesOrderIDByBuyerQuery: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderIDSelectionByBuyer: <ul style="list-style-type: none"> BuyerID: <input type="text" value="14"/> 	<ul style="list-style-type: none"> - SalesOrderIDByBuyerResponse: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderID []: <ul style="list-style-type: none"> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD: schemeAgencyID: schemeAgencySchemeAgencyID: #simpleContent: <input type="text" value="5000000005"/> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD:
Parameters	Result					
<ul style="list-style-type: none"> - SalesOrderIDByBuyerQuery: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderIDSelectionByBuyer: <ul style="list-style-type: none"> BuyerID: <input type="text" value="14"/> 	<ul style="list-style-type: none"> - SalesOrderIDByBuyerResponse: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - SalesOrderID []: <ul style="list-style-type: none"> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD: schemeAgencyID: schemeAgencySchemeAgencyID: #simpleContent: <input type="text" value="5000000005"/> - /wsdl:definitions/wsdl:types/xsd:schema[1]/xsd:complexType: <ul style="list-style-type: none"> ID: schemelD: 					
Mandatory Attributes	BuyerID	Business Partner ID (sold-to party in the back-end system), range: 1 to 51				

Features

This service processes the following message types:

- SalesOrderIDByBuyerQuery
- SalesOrderIDByBuyerResponse

Error Handling

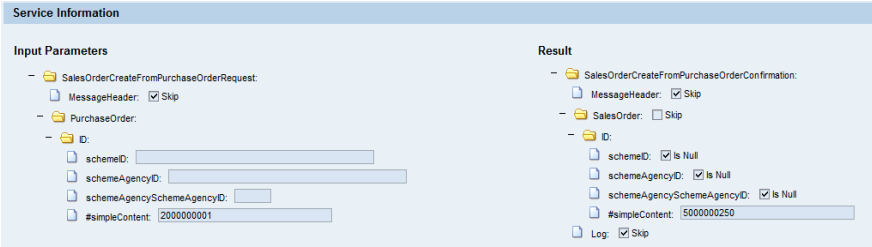
The input parameters are checked for consistency and plausibility. If the check returns a negative, the error message is published in the message log.

c) Manage Sales Order

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	ManageSalesOrder_In
Namespace in ESR	http://sap.com/xi/JNWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/ManageSalesOrder_In_Service/ManageSalesOrder/nlmpBean?wsdl&=1.1">http://<host>:<port>/ManageSalesOrder_In_Service/ManageSalesOrder/nlmpBean?wsdl&=1.1

Definition

Operation	SalesOrderCreateFromPurchaseOrderRequestConfirmation_In	
Description	Checks the status of the Purchase Order and if necessary creates a new Sales Order out of the Purchase Order. The service <i>Manage Sales Order</i> is used to create a Sales Order out of the Purchase Order.	
Use		
Mandatory Attributes	Purchase Order ID (#simpleContent)	It isn't guaranteed that there is already an existing Purchase Order Object. If existing, their IDs are from 2000000000 upwards.
	schemeID	Any value
	schemeAgencyID	Any value
	schmeAgencySchemeAgencyID	Any value

Features

This service processes the following message types:

- SalesOrderCreateFromPurchaseOrderRequest
- SalesOrderCreateFromPurchaseOrderConfirmation

Error Handling

The input parameters are checked for consistency and plausibility. If the check returns a negative, the error message is published in the message log.

Purchase Order

a) Create Purchase Order

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	PurchaseOrderCreateRequestConfirmationIn
Namespace in ESR	http://sap.com/xi/NWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/PurchaseOrderCreateRequestConfirmationInService/PurchaseOrderCreateRequestConfirmationIn?wsdl=1.1">http://<host>:<port>/PurchaseOrderCreateRequestConfirmationInService/PurchaseOrderCreateRequestConfirmationIn?wsdl=1.1

Definition

Operation	PurchaseOrderCreateRequestConfirmationIn
Description	A request to and confirmation from <i>Purchase Order Processing</i> to create a purchase order. The first generated Purchase Order starts with ID 2000000001.
Use	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Result</p> <ul style="list-style-type: none"> - PurchaseOrderCreateConfirmation: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - PurchaseOrder: <input type="checkbox"/> Skip <ul style="list-style-type: none"> ID: <ul style="list-style-type: none"> schemaID: <input checked="" type="checkbox"/> Is Null schemaAgencyID: <input checked="" type="checkbox"/> Is Null schemaAgencySchemeAgencyID: <input checked="" type="checkbox"/> Is Null #simpleContent: 2000000005 ProcessingTypeCode: PO PostingDateTime: 8/21/2008 2:53:43 PM Europe/Berlin <input type="checkbox"/> Skip - SystemAdministrativeData: <ul style="list-style-type: none"> CreationDateTime: 8/21/2008 2:53:43 PM Europe/Berlin CreationIdentityUUID: <input checked="" type="checkbox"/> Skip - CreationUserAccountID: <input type="checkbox"/> Skip <ul style="list-style-type: none"> schemaAgencyID: <input checked="" type="checkbox"/> Is Null schemaAgencySchemeAgencyID: <input checked="" type="checkbox"/> Is Null #simpleContent: User LastChangeDateTime: <input checked="" type="checkbox"/> Skip LastChangeIdentityUUID: <input checked="" type="checkbox"/> Skip LastChangeUserAccountID: <input checked="" type="checkbox"/> Skip - TotalGrossAmount: <input type="checkbox"/> Skip <ul style="list-style-type: none"> currencyCode: USD </div> <div style="width: 48%;"> <p>Input Parameters</p> <ul style="list-style-type: none"> - PurchaseOrderCreateRequest: <ul style="list-style-type: none"> MessageHeader: <input checked="" type="checkbox"/> Skip - PurchaseOrder: <ul style="list-style-type: none"> ID: <input checked="" type="checkbox"/> Skip - SellerParty: <ul style="list-style-type: none"> SellerID: 12 - BuyerParty: <ul style="list-style-type: none"> BuyerID: 2 Description: <input checked="" type="checkbox"/> Skip Note: <input checked="" type="checkbox"/> Skip CurrencyCode: USD - Item []: <ul style="list-style-type: none"> /wsdl:definitions/wsdl/types/xsd:schema[1]x: <ul style="list-style-type: none"> ID: 1 - Product: <input type="checkbox"/> Skip <ul style="list-style-type: none"> SellerID: HT-1000 TypeCode: AB ItemDescription: <input checked="" type="checkbox"/> Skip ScheduleLine []: <input type="checkbox"/> Skip </div> </div>

Mandatory Attributes	SellerID	An existing Business Partner ID (Range 1 – 51)
	BuyerID	An existing Business Partner ID (Range 1 – 51)
	CurrencyCode	3 character currency code (e.g. USD, EUR, INR)
	Item	At least 1 item has to be added
	Item ID	The items ID within this Purchase Order (e.g. the first item added has ID 1)
	Product	It has to be a product specification
	SellerID	An existing ProductID HT-1000 to HT-1003, HT-1007, HT-1010, HT-1011, HT-1020 to HT-1023, HT-1030 to HT-1032, HT-1035 to HT-1037, HT-1040 to HT-1042, HT-1050 to HT-1052, HT-1055, HT-1056, HT-1060 to HT-1073, HT-1080 to HT-1083, HT-1085, HT-1090 to HT-1092, HT-1095 to HT-1097, HT-1100 to HT-1107, HT-1110 to HT-1120, HT-1137, HT-1138, HT-1210, HT-1500 to HT-1502, HT-1600 to HT-1603, HT-2000 to 2002, HT-2025 to HT-2027, HT-6100 to HT-6102, HT-6110, HT-6111, HT-6120 to HT-6123, HT-6130 to HT-6132, HT-7000, HT-7010, HT-7020, HT-7030, HT-8000 to HT-8003
	TypeCode	The Typecode of this Product (e.g. SO)

Features

This service processes the following message types:

- PurchaseOrderCreateRequest
- PurchaseOrderCreateConfirmation

Error Handling

If errors occur, the process terminates and a message is transferred to the application.

b) Manage Purchase Order

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	ManagePurchaseOrder_In
Namespace in ESR	http://sap.com/xi/JNWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/ManagePurchaseOrder_In_Service/ManagePurchaseOrderInImplBean?wsdl=1.1">http://<host>:<port>/ManagePurchaseOrder_In_Service/ManagePurchaseOrderInImplBean?wsdl=1.1

Definition

Operation	PurchaseOrderByIDQueryResponse_In	
Description	This Operation provides detailed information for a given Purchase Order ID.	
Use	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Parameters</p> <p>Reset</p> <ul style="list-style-type: none"> - PurchaseOrderByIDQuery: <ul style="list-style-type: none"> - PurchaseOrderSelectionByID: <ul style="list-style-type: none"> - PurchaseOrderID: <ul style="list-style-type: none"> ☐ schemeID: <input type="text"/> ☐ schemeAgencyID: <input type="text"/> ☐ schemeAgencySchemeAgencyID: <input type="text"/> ☐ #simpleContent: <input type="text"/> </div>	
Mandatory Attributes	Purchase Order ID (#simpleContent)	It isn't guaranteed that there is already an existing Purchase Order Object. If existing, their IDs are from 2000000000 upwards.
	schemeID	Any value
	schemeAgencyID	Any value
	schemeAgencySchemeAgencyID	Any value

Operation		PurchaseOrderApproveRequestConfirmation_In
Description		Approves the Purchase order with the given Purchase Order ID.
Use		<div style="border: 1px solid #ccc; padding: 5px;"> <p>Parameters</p> <p>Reset</p> <ul style="list-style-type: none"> - PurchaseOrderApproveRequest: - PurchaseOrder: <ul style="list-style-type: none"> - ID: <ul style="list-style-type: none"> 📄 schemeID: <input type="text"/> 📄 schemeAgencyID: <input type="text"/> 📄 schemeAgencySchemeAgencyID: <input type="text"/> 📄 #simpleContent: <input type="text"/> </div>
Mandatory Attributes	Purchase Order ID (#simpleContent)	It isn't guaranteed that there is already an existing Purchase Order Object. If existing, their IDs are from 2000000000 upwards.
	schemeID	Any value
	schemeAgencyID	Any value
	schemeAgencySchemeAgencyID	Any value

Features

This service processes the following message types:

- PurchaseOrderApproveRequest
- PurchaseOrderByIDQuery

Error Handling

If errors occur, the process terminates and a message is transferred to the application.

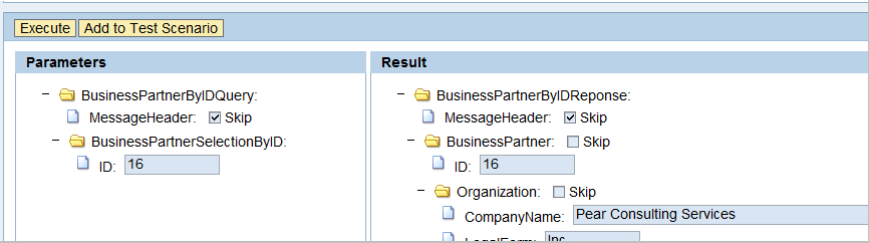
Business Partner

a) Business Partner by ID

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	BusinessPartnerByIDQueryResponseIn
Namespace in ESR	http://sap.com/xi/NWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/BusinessPartnerByIDQueryResponseInService/BusinessPartnerByIDQueryResponseIn?wsdl=1.1">http://<host>:<port>/BusinessPartnerByIDQueryResponseInService/BusinessPartnerByIDQueryResponseIn?wsdl=1.1

Definition

Operation	BusinessPartnerByIDQueryResponseIn	
Description	The service Business Partner by ID can be used to retrieve business partner details, when the ID is known.	
Use		
Mandatory Attributes	BusinessPartnerID	Business Partner ID, range: 1 to 51

Features

This service processes the following message types:

- BusinessPartnerByIDQuery
- BusinessPartnerByIDResponse

Error Handling

The input parameters are checked for consistency and plausibility. If the check returns a negative, the error message is published in the message log.

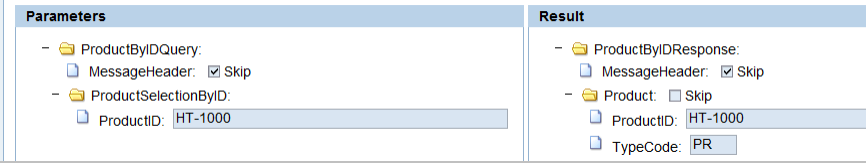
Product

a) Product by ID

Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	ProductByIDQueryResponseIn
Namespace in ESR	http://sap.com/xi/NWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/ProductByIDQueryResponseInService/ProductByIDQueryResponseIn?wsdl=1.1">http://<host>:<port>/ProductByIDQueryResponseInService/ProductByIDQueryResponseIn?wsdl=1.1

Definition

Operation	ProductByIDQueryResponseIn	
Description	Returns a list of all Products which match the given Product ID.	
Use	<p>The service <i>Product by ID</i> can be used to retrieve product details, when the ID is known.</p> 	
Mandatory Attributes	ProductID	HT-1000 to HT-1003, HT-1007, HT-1010, HT-1011, HT-1020 to HT-1023, HT-1030 to HT-1032, HT-1035 to HT-1037, HT-1040 to HT-1042, HT-1050 to HT-1052, HT-1055, HT-1056, HT-1060 to HT-1073, HT-1080 to HT-1083, HT-1085, HT-1090 to HT-1092, HT-1095 to HT-1097, HT-1100 to HT-1107, HT-1110 to HT-1120, HT-1137, HT-1138, HT-1210, HT-1500 to HT-1502, HT-1600 to HT-1603, HT-2000 to 2002, HT-2025 to HT-2027, HT-6100 to HT-6102, HT-6110, HT-6111, HT-6120 to HT-6123, HT-6130 to HT-6132, HT-7000, HT-7010, HT-7020, HT-7030, HT-8000 to HT-8003

Features

This service processes the following message types:

- ProductByIDQuery
- ProductByIDResponse

Error Handling

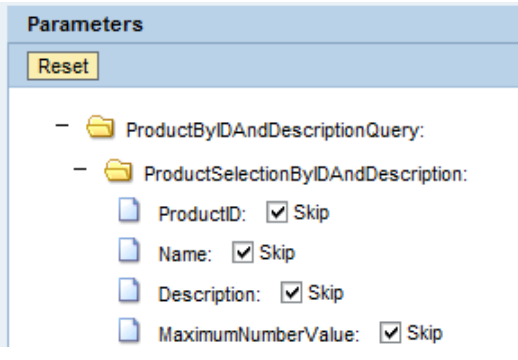
The input parameters are checked for consistency and plausibility. If the check returns a negative, the error message is published in the message log.

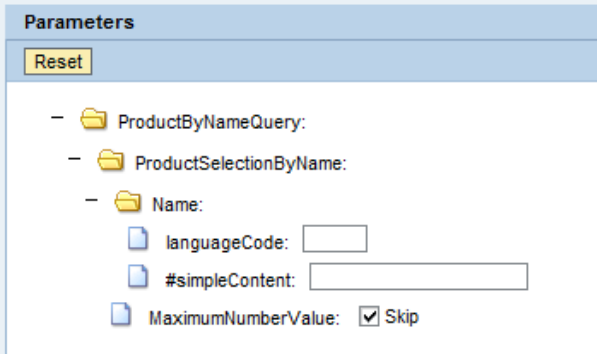
b) Query Product

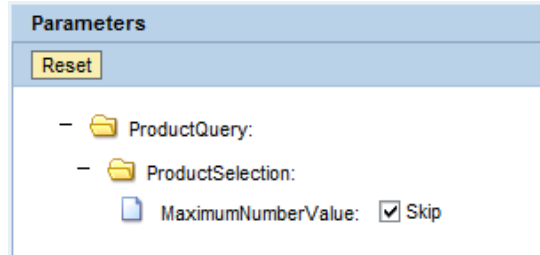
Technical Data

Entity Type	Service interface
Technical Name in Enterprise Services Repository (ESR)	QueryProduct_In
Namespace in ESR	http://sap.com/xi/JNWDemo
Software Component Version in ESR	NW DEMO 7.11
Category	Inbound
Mode	Synchronous
WSDL	<a href="http://<host>:<port>/QueryProduct_In_Service/QueryProductInImplBean?wsdl=1.1">http://<host>:<port>/QueryProduct_In_Service/QueryProductInImplBean?wsdl=1.1

Definition

Operation	ProductByIDAndDescriptionQueryResponse_In	
Description	Flexible query for getting product details corresponding to a given set of attributes like ProductID, Name or the Description. It returns a list of product details.	
Use		
Mandatory Attributes	maximum NumberValue	Any positive integer value
	One of the other attributes	

Operation		ProductByNameQueryResponse_In
Description		Returns a list of all Products who have a name which is contained in the entered product name.
Use		
Mandatory Attributes	Name (#simpleContent)	The name of the product
	languageCode	A language code coded as ISO 639: 2-letter codes

Operation		ProductQueryResponse_In
Description		Returns a list of all Products available in the database.
Use		

Features

This service processes the following message types:

- ProductByIDAndDescriptionQuery
- ProductByIDAndDescriptionQueryResponse
- ProductByNameQuery
- ProductByNameResponse
- ProductQuery
- ProductResponse

Error Handling

The input parameters are checked for consistency and plausibility. If the check returns a negative, the error message is published in the message log.

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