

Consuming Services in SOA Manager



Applies to:

ECC 60 . PI 7.1. For more information, visit the [SOA Management homepage](#).

Summary

Here you'll find a little example of how you can consume Enterprise Services from SOAMANAGER transaction.

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Created on: 12 December 2009

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Copyright	Error! Bookmark not defined.

Services Activation

First you must activate some services in your ABAP stack in the transaction SICF, this services are:

```
/default_host/sap/bc/srt/ y /sap/bc/webdynpro/sap/app1_soap_management
/sap/public/bc/icons
sap/public/bc/icons_rtl
"/sap/public/bc/pictograms
"/sap/public/bc/webdynpro/
```

Notes

SAP Note [1139107](#) – If you have some problems apply this note

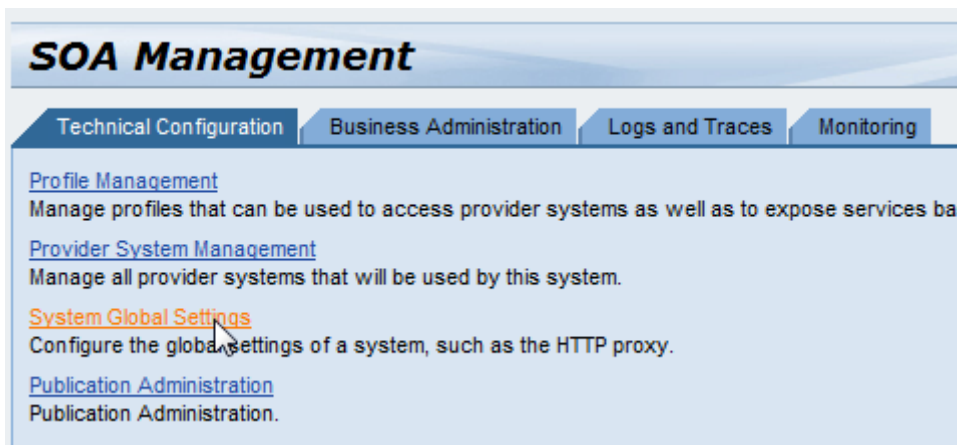
SOAMANAGER Configuration

ABAP via HTTP

Using the SOAMANAGER transaction you can consume the enterprise service that you already have in your repository.

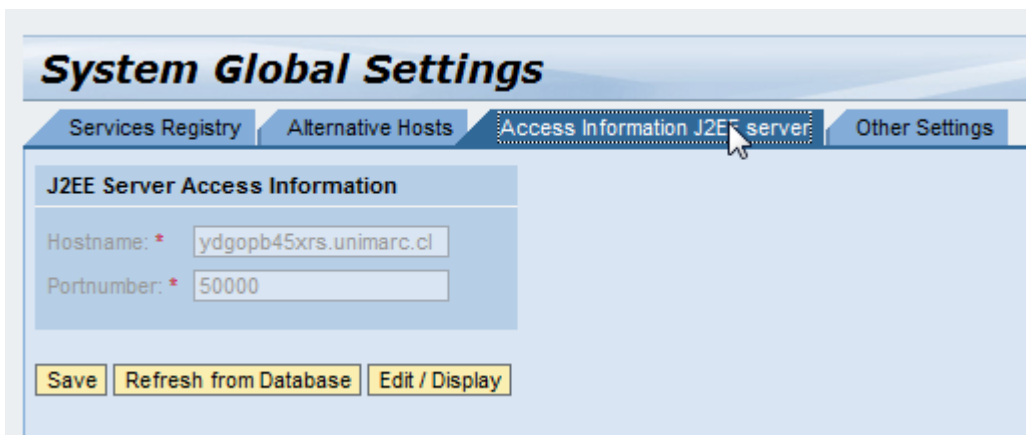
To do this you must do some configurations before start the consumption.

Inside SOAMANAGER trx, you choose System Global Settings.

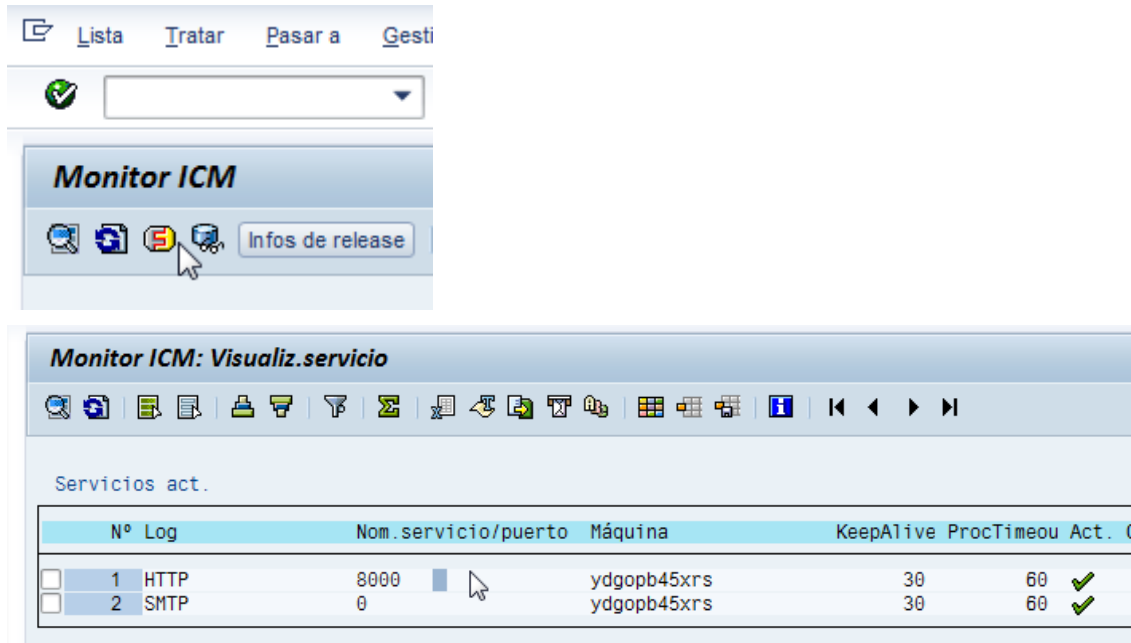


Then go to Access information J2EE Server tab, and put the JAVA server configuration.

If you don't have JAVA stack installed you can point to different WAS Java



To be sure if the information it's correct go to SMICM trx and check the java port there.



Nº Log	Nom.servicio/puerto	Máquina	KeepAlive	ProcTimeou	Act. Co
1	HTTP	8000	30	60	✓
2	SMTP	0	30	60	✓

Activation of Standard Service

Inside of the add-ons installed there is a lot of services that already you can use, now you must choose one of this to do some test.

First we have to go to WebService Administration.



SOA Management

Technical Configuration | **Business Administration** | Logs and Traces | Monitoring

[Web Service Administration](#)
Manage individual Web services or proxies.

[Mass Configuration](#)
Configure multiple objects (services, consumer groups, and proxies).

[Publication Restrictions](#)
Services Publication Restrictions

[Account Management](#)
Manage accounts and their assignment to provider systems and interfaces

[Activation Requests Management](#)
Manage all requests for the activation/deactivation of profiles, destinations, and configuration requests.

Once we are inside of the webservice administration, there is a list of all the services.

Web Service Administration

Search Design Time object for Web Service Configuration

Search Browse

Search by: Search Pattern: Field: Both Names in System: IDE/765 Go [Show Advanced Search](#)

Search Results

Internal Name	External Name	Namespace	Type	Description
APPLICATIONLOGBULKCREATEREQUES	ApplicationLogBulkCreateRequestConfirmation_In	http://sap.com/xi/BASIS	Service	No existen textos breves
ASYNCHRONOUSINBOUND	asynchronousInbound	http://sap.com/ws_errors/vkraska	Service	No existen textos breves
ATTACH_SYNC_IN	attach_sync_in	http://xi.com/xiveri/source_proxy_runtime	Service	No existen textos breves
BUSINESSPARTNERBYIDQUERYRESPON	BusinessPartnerByIDQueryResponseIn	http://sap.com/xi/NWDemo	Service	No existen textos breves
CALCULATOR_IN	calculator_in	http://soapRuntime/Test	Service	No existen textos breves

Linea 1 Por 970

Apply Selection

Now we choose one service for this example we will use **ECC_CUSTOMER001QR**. Now we click on Apply Selection [Apply Selection](#).

Details of Service Definition: ECC_CUSTOMER002QR

[Back to search](#)

Overview Configurations Classifications Details

Object Status:
Porttype Namespace:
Porttype Name:
Internal Name:
SOAP Applikation:
Package Name:

[Open porttype WSDL document](#)
[Open WSDL document for selected binding](#)
[Open Web Service navigator for selected binding](#)

To make this action can work we have to go to Configurations tab.

Details of Service Definition: ECC_CUSTOMER001QR

[Back to search](#)

Overview **Configurations** Classifications Details

Create Service Create Endpoint Delete Service Delete Endpoint Edit Display

Service State

The parameters are (all mandatory)

New Service Name : ECC_CUSTOMER001QR

Description : ECC_CUSTOMER001QR

New binding Name : ECC_CUSTOMER001QR_binding.

Authentication Settings

Authentication Method

No Authentication

HTTP Authentication

User ID/Password

X.509 SSL Client Certificate (via HTTPS)

Logon Ticket

ABAP Server

To this service work it we must active it on SICF

The screenshot displays the SAP SOA Manager interface for service management. The main window is titled "Actualización de servicios" (Service Update). The "Datos de filtro" (Filter Data) section shows the following configuration:

- Host virtual: [Empty field]
- Via servicio: [Empty field]
- Servicio: ECC_CUSTOMER001QR
- Descripción: [Empty field]
- Idioma: Español
- ServicioRef: [Empty field]

Buttons for "Filtro", "Reinicializ.", and "Det." are visible. The "Virtuelle Hosts / Services" tree on the left shows the following structure:

- default_host
 - sap
 - bc
 - srt
 - xip
 - sap
 - ECC_CUSTOMER001QR
 - 765
 - ecc_customer001qr
 - ecc_customer001qr_binding

A context menu is open over the "ecc_customer001qr_binding" node, with the following options:

- Subelemento nvo.
- Visual.servicio
- Borrar servicio
- Renombrar servicio
- Activar servicio
- Desactivar servicio
- Verif.servicio
- Verif.ajuste carga
- Referencias a servicio
- Entr.catálogo obj.
- Cortar
- Copiar
- Pegar

Service TEST

With all this configuration now we are ready to test. How we can do that?

1. Choose the service
2. click on Open WSDL document for selected binding,
3. copy the url of the new browser window
4. call the WSNAVIGATOR (<http://host:port/wsnavigator>)

Details of Service Definition: ECC_CUSTOMER001QR

Back to search

Overview | Configurations | Classifications | Details

Object Status: Services: 1 / Endpoints: 1
 Porttype Namespace: http://sap.com/xi/APPL/SE/Global
 Porttype Name: ECC_CUSTOMER001QR
 Internal Name: ECC_CUSTOMER001QR
 SOAP Application: URN:SAP-COM:SOAP:XMS:APPLICATION:XIP
 Package Name: OPS-SE_BPC_XI_PROXY

Open porttype WSDL document
 Open WSDL document for selected binding
 Open Web Service navigator for selected binding

ECC_CUSTOMER001QR:ECC_CUSTOMER001QR_Binding

[http://HOST:PORT/sap/bc/srt/wsd1/bndg_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd11/allinone/ws_policy/document?sap-client=765](http://HOST:PORT/sap/bc/srt/wSDL/bndg_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd11/allinone/ws_policy/document?sap-client=765)

http://ydgopb45xrs:8000/sap/bc/srt/wsd1/bndg_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd11/allinone/w - Windows Internet Explorer

http://ydgopb45xrs:8000/sap/bc/srt/wsd1/bndg_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd11/allinone/ws_policy/document?sap-client=765

```
<?xml version="1.0" encoding="utf-8" ?>
- <wsdl:definitions targetNamespace="http://sap.com/xi/APPL/SE/Global" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:http="http://schemas.xmlsoap.org/wsdl/http/" xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
  xmlns:tns="http://sap.com/xi/APPL/SE/Global" xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
  xmlns:n1="http://sap.com/xi/SAPGlobal20/Global">
- <wsdl:documentation>
  <sid:sidl xmlns:sidl="http://www.sap.com/2007/03/sidl" />
</wsdl:documentation>
<wsp:UsingPolicy wsdl:required="true" />
- <wsp:Policy wsu:Id="BN_ECC_CUSTOMER001QR_Binding">
  <wsaw:UsingAddressing xmlns:wsaw="http://schemas.xmlsoap.org/ws/2004/08/addressing" />
  <saptrnbnnd:OptimizedXMLTransfer uri="http://xml.sap.com/2006/11/esi/esp/binxml"
  xmlns:saptrnbnnd="http://www.sap.com/webas/710/soap/features/transportbinding/" wsp:Optional="true" />
- <wsp:ExactlyOne xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy"
  xmlns:sapsp="http://www.sap.com/webas/630/soap/features/security/policy" xmlns:sp="http://docs.oasis-
  open.org/ws-sx/ws-securitypolicy/200702" xmlns:wsa="http://www.w3.org/2005/08/addressing"
  xmlns:wsu="http://schemas.xmlsoap.org/ws/2002/07/utility">
- <wsp:All>
- <sp:TransportBinding>
- <wsp:Policy>
- <sp:TransportToken>
- <wsp:Policy>
- <sp:HttpsToken>
- <wsp:Policy>
  <sp:HttpBasicAuthentication />
</wsp:Policy>
</sp:HttpsToken>
</wsp:Policy>
</sp:TransportToken>
- <sp:AlgorithmSuite>
- <wsp:Policy>
  <sp:TripleDesRsa15 />
</wsp:Policy>
</sp:AlgorithmSuite>
</wsp:All>
</wsp:Policy>
</wsp:UsingPolicy>
</wsdl:definitions>
```

Listo Internet | Modo protegido: activado 100%

SAP NetWeaver™ WS Navigator

Configuration

WSDL URL: *

Select Service

Click on Go

Login Information

SAP Web Application Server [IDE]

User Name:

Password:

Use a valid user

SAP NetWeaver™ WS Navigator

Service Information

WSDL URL: http://vdqoob45xrs:8000/sap/bc/srt/wsd/bndq_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd11/allinone/ws_policy/document?sap-client=765

Operations

CustomerBasicDataByIDQueryResponse_In

SAP NetWeaver™ WS Navigator

Select Service | Select Interface | Select Operation | **Enter Input Parameters** | Result

Service Information
WSDL URL: http://ydgopb45xrs:8000/sap/bc/srt/wsd/bndo_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd111/allinone/ws_policy/document?sap-client=765

Configuration
Timeout (in seconds): 60
 Endpoint in WSDL: ECC_CUSTOMER001QR_1
 Custom Endpoint: <http://ydgopb45xrs:8000/sap>

Parameters
Reset | Export Test Data

- CustomerBasicDataByIDQuery_sync:
 - CustomerBasicDataSelectionByID:
 - CustomerID:
 - schemaID: Is Null
 - schemaAgencyID: Is Null
 - schemaAgencySchemeID: Is Null
 - schemaAgencySchemeAgencyID: Is Null
 - #simpleContent: 6109

Execute

Enter the paramaters required.

SAP NetWeaver™ WS Navigator

Select Service | Select Interface | Select Operation | Enter Input Parameters | **Result**

Service Information
WSDL URL: http://ydgopb45xrs:8000/sap/bc/srt/wsd/bndo_DE7DE1A3C508EDF1AED1001B78BCB29A/wsd111/allinone/ws_policy/document?sap-client=765

Export Test Data

Parameters

- CustomerBasicDataByIDQuery_sync:
 - CustomerBasicDataSelectionByID:
 - CustomerID:
 - schemaID:
 - schemaAgencyID:
 - schemaAgencySchemeID:
 - schemaAgencySchemeAgencyID:
 - #simpleContent: 6109

Result

- CustomerBasicDataByIDResponse_sync:
 - Customer:
 - ID:
 - #simpleContent: 000006109
 - BasicData:
 - Common:
 - Name:
 - FormOfAddressCode:
 - #simpleContent: 0003
 - FirstLineName: DC Fashion, Dover
 - SecondLineName:

Then you got the answer...

Easy no???

Regards.

Marco Salazar

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Related Content

<https://www.sdn.sap.com/irj/scn/forum?forumID=44>

<https://www.sdn.sap.com/irj/scn/thread?threadID=114082&tstart=0>

<https://www.sdn.sap.com/irj/scn/weblogs>

For more information, visit the [SOA Management homepage](#).

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