

Publishing Service Interfaces (WSDL) from ES Builder



Applies to:

Composition Environment 7.1, Enterprise Service Repository 7.1

For more information, visit the [Repository-based Modeling and Design homepage](#).

Summary

In this article, I will be describing the step by step approach of publishing the service interface (WSDL) from ES Builder.

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Author Bio



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Introduction

Enterprise Services Builder (ES Builder) is a tool to define and manage objects in the Enterprise Services Repository. After modeling the process component in ES Builder and prior to implement the business logic (Service Endpoint) for the service interface in the appropriate Java/ABAP system, you can publish the service interface definitions from ES Builder to Service Registry.

In this article, I will be describing the step by step approach of publishing the service interface (WSDL) from ES Builder.

Pre-requisite

- ServicesRegistrySi Endpoint URL needs to point your CE server
- Service Interface must be in Active
- Publishing supported only for Inbound Service Interface

Configuring ServicesRegistrySi Endpoint URL in NWA

In order publish the service interface from ES Builder, the default ServicesRegistrySi endpoint URL needs to be changed from 'localhost' to your named CE server hostname with port number. To make these changes login to SAP NWA.

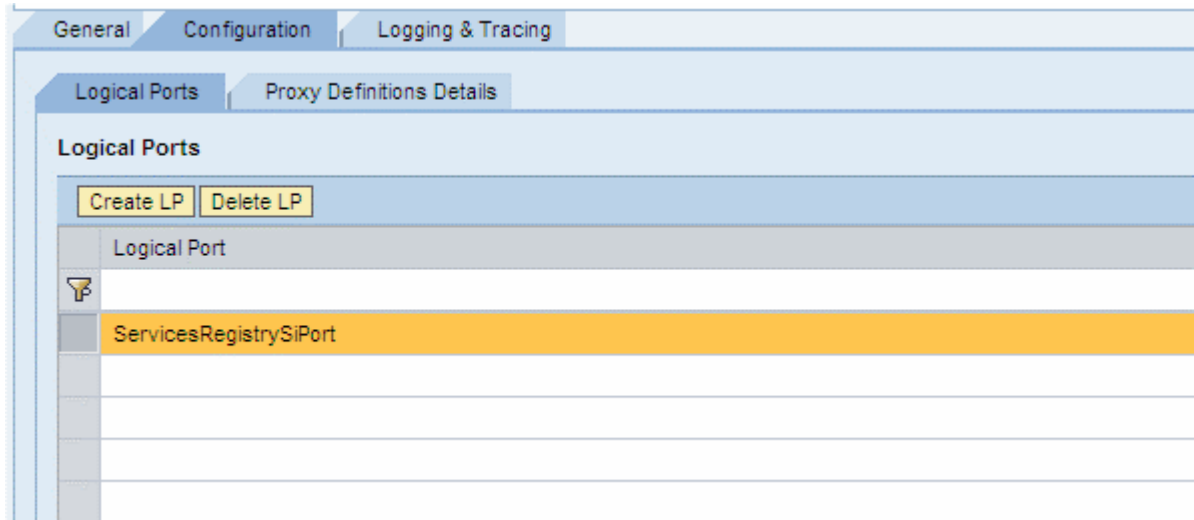
SOA Management->Business Administration->Web Services Administration

Filter the Proxy Definitions for 'ServicesRegistrySi' as shown below:

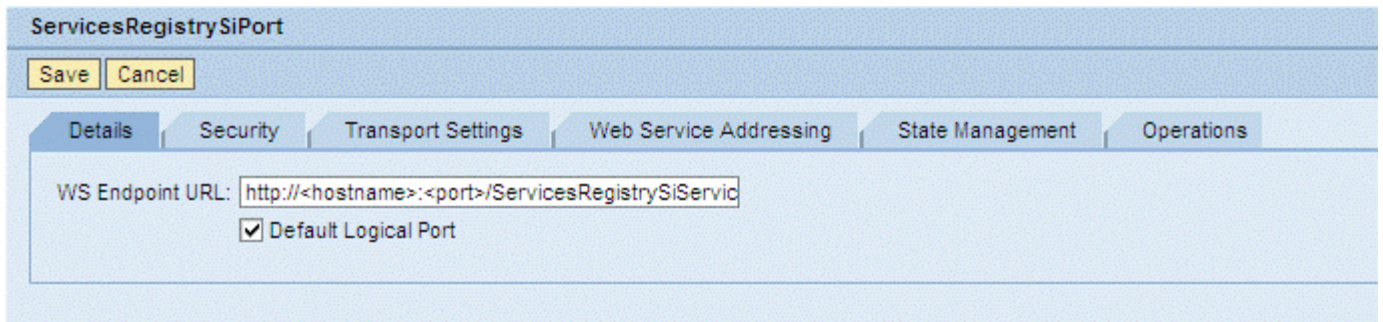
The screenshot shows the 'Web Services Administration: WS Administration' interface. On the left, there is a navigation menu with 'WS Administration' selected and 'Related Tasks' including 'Key Storage', 'Trusted Systems', and 'Web Service Security SAML'. The main area displays a search for 'Proxy Definitions' with the search criteria set to 'Proxy Definition Name' and the value 'ServicesRegistrySi'. A single result is shown in a table below.

Proxy Definition	Proxy Definition ID
ServicesRegistrySi	sap.com/~/esi-uddi-sr~proxy~ear_to~esi-uddi-sr~proxy~ejbm_EJB/ServicesRegistryProxyFacade/ServicesRegistrySiService_ServicesRegistrySiBinding_ServicesRegistrySi

Select the Proxy Definition 'ServicesRegistrySi' and click on the Configuration tab:



Click on 'Edit' to make the changes to WS Endpoint URL:



Do not forget to check the 'Default Logical Port'.

Publishing Service Interfaces (WSDL) from ES Builder

Login to your Enterprise Service Builder (<http://<hostname>:<port>/rep>), select your inbound service interface for publish into Service Registry and then click on the 'WSDL' tab

Display Service Interface Status: Active Display Language: English (OL)

Name: BizPartnerCreate
 Namespace:
 Software Component Version:
 Description: BizPartnerCreate

Definition | **WSDL** | Matching Service Interfaces

Find

```
<wsdl:definitions xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:p1=" " name="BizPartnerCreate"
targetNamespace=" " >
  <wsdl:documentation>
    BizPartnerCreate
  </wsdl:documentation>
  <wsdl:types>
    <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns=" " targetNamespace=" " >
      <xsd:element name="BUPACreate_ResMT" type="BUPACreate_ResDT" />
      <xsd:element name="BUPACreate_ReqMT" type="BUPACreate_ReqDT" />
      <xsd:complexType name="BUPACreate_ResDT">
        <xsd:annotation>
          <xsd:documentation xml:lang="EN">
            Business Partner Response Data Type
          </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
          <xsd:element name="BUSINESSPARTNER" type="xsd:string" />
        </xsd:sequence>
      </xsd:complexType>
      <xsd:complexType name="BUPACreate_ReqDT">
        <xsd:annotation>
          <xsd:documentation xml:lang="EN">
            Business Partner Create Request
          </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
          <xsd:element name="FIRSTNAME" type="xsd:string" />
          <xsd:element name="LASTNAME" type="xsd:string" />
          <xsd:element name="SEARCHTERM" type="xsd:string" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:schema>
  </wsdl:types>
```

Click on the 'Publish' button to publish the service interface definitions into Service Registry.

Publishing Service Interface

Service Interface: BizPartnerCreate

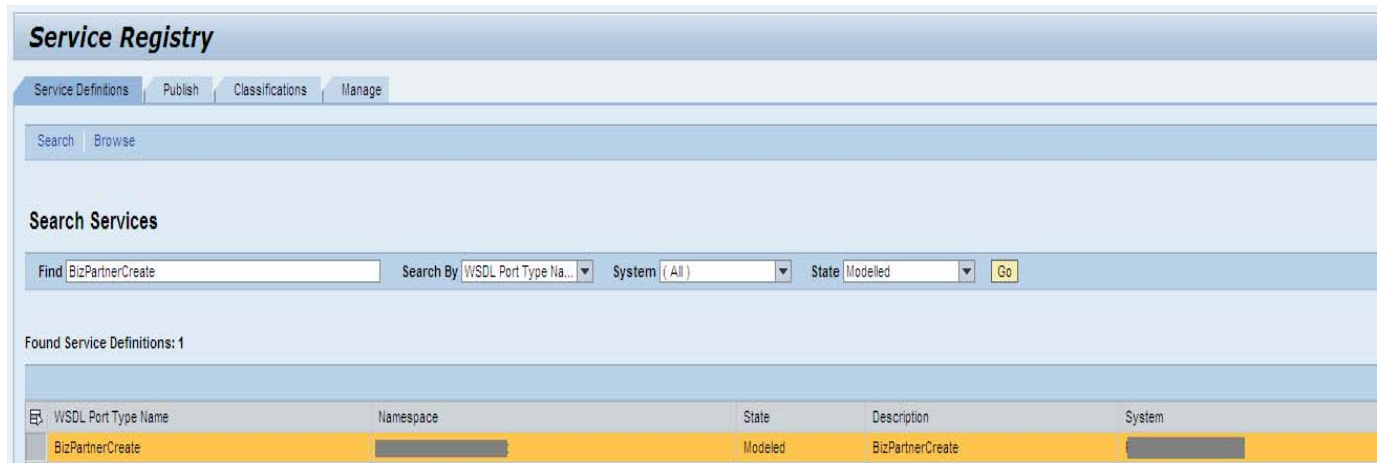
Name *
 Namespace *
 Software Component Version *

Service interface BizPartnerCreate published

Physical System
 Release State: Not Released
 UDDI Key: uddi:ca146820-54e2-11dd-95fc-00156054cf1f
 WSDL URL: <http:// /rep/publicwsdl/ext/?service=publicwsdl&method=serviceinterface&p1=0f65954>

Verify the Published Service Interface Definitions in Service Registry

As a last step, now we can verify the published service interface definitions in Service Registry, for this you need to login to CE Service Registry (<http://<hostname>:<port>/sr>)



The screenshot displays the SAP Service Registry web interface. At the top, there is a header bar with the title "Service Registry" and navigation tabs for "Service Definitions", "Publish", "Classifications", and "Manage". Below the header, there is a search bar with "Search" and "Browse" buttons. The main section is titled "Search Services" and contains a search form. The "Find" field is populated with "BizPartnerCreate". The "Search By" dropdown is set to "WSDL Port Type Na...", the "System" dropdown is set to "(All)", and the "State" dropdown is set to "Modelled". A "Go" button is visible to the right of the search criteria. Below the search form, it indicates "Found Service Definitions: 1". A table displays the search results with the following columns: WSDL Port Type Name, Namespace, State, Description, and System. The table contains one entry: "BizPartnerCreate" in the "WSDL Port Type Name" column, with "Modelled" in the "State" column and "BizPartnerCreate" in the "Description" column. The "Namespace" and "System" columns are partially obscured by greyed-out text.

WSDL Port Type Name	Namespace	State	Description	System
BizPartnerCreate		Modelled	BizPartnerCreate	

Related Content

For more information, visit the [Repository-based Modeling and Design homepage](#).
[Publishing Service Interfaces](#) on help.sap.com

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