Consuming Web services from R/3 and Enterprise Services in Visual Composer

Applies to:

Summary
This article explains the steps to consume web services from any R/3 server and also from enterprise service workplace (Enterprise SOA) on SDN.

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Introduction

While consuming a web service from a non SAP R/3 system, the steps required are quite straight forward. You simply define a new Web Service system in your Visual Composer and Web service is ready to be consumed. But in case of Web services coming from an SAP R/3 server, you need to create a new system in the Visual Admin of WAS server. Here, we will have a look at steps required to consume a web service from an SAP R/3 system.

Configure Proxy Settings

Here we will configure the settings for SAP Netweaver Enterprise Portal and Web Application server. This step becomes mandatory if the Web Application server is sitting behind a firewall and trying to access a service outside the firewall.

Configure Proxy settings of the Web Application server

- Login into Visual Admin
- Under Cluster Tab, expand node Server -> Services and select the Service “Web Service Container”
- Under “Runtime” Tab, Select “Setting”
- Enter appropriate proxy settings and Click on ‘Save’.

Configure Proxy settings of the SAP Netweaver Enterprise Portal

- Login into Portal as Administrator
- Under System Administration Tab, Click on System Configuration -> Service Configuration
- Under Service configuration. Click on Applications -> com.sap.portal.ivs.httpservice -> Services -> Proxy
- Enter the proxy settings as entered in the Visual Admin above.
Consuming Web services from R/3 and Enterprise Services in Visual Composer

Detailed Navigation

- System Landscape
- System Landscape Overview
- Kestos Administration
- UM Configuration
- **Service Configuration**
- Knowledge Management
- Universal Worklet & Workflow
- Web Dynpro Console

Portal Favorites

- **Services**
- proxy

HTTP - Bypass Proxy Servers
- `#intoreach#`

HTTP - Enable Proxy setting
- `TRUE`

HTTP Proxy Host
- `proxhost`

HTTP Proxy Port
- `proxport`

HTTPS - Bypass Proxy Servers
- `#intoreach#`

HTTPS - Enable Proxy setting
- `TRUE`

HTTPS Proxy Host
- `proxhost`

HTTPS Proxy Port
- `proxport`

Sets password for proxy basic authentication
- `********`

Sets user name for proxy basic authentication
- `proxuser`
Connecting your WAS to Enterprise Service Workplace (or any other R/3)

- Login into Visual Admin
- Under Cluster Tab, expand node Server -> Services and select the Service “Web Service Security”
- Under Runtime Tab, navigate to Web Service Clients -> sap.com -> DynamicWSProxies
- Create a new Connection to the Enterprise Service Workplace (or any other R/3 Server) as shown in the figure

<table>
<thead>
<tr>
<th>Destination Name</th>
<th>sap.com/DynamicWSProxies/ESWP_800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination Type</td>
<td>WebService</td>
</tr>
<tr>
<td><strong>Connection Settings</strong></td>
<td></td>
</tr>
<tr>
<td>URL</td>
<td><a href="http://erp.esworkplace.sap.com">http://erp.esworkplace.sap.com</a></td>
</tr>
<tr>
<td>System ID</td>
<td>HU2</td>
</tr>
<tr>
<td>Client</td>
<td>800</td>
</tr>
<tr>
<td>Language</td>
<td>EN</td>
</tr>
<tr>
<td><strong>Logon Data</strong></td>
<td></td>
</tr>
<tr>
<td>Authentication: BASIC</td>
<td></td>
</tr>
<tr>
<td>Basic Authentication:</td>
<td></td>
</tr>
<tr>
<td>Username:</td>
<td>test</td>
</tr>
<tr>
<td>Password:</td>
<td>*********</td>
</tr>
</tbody>
</table>

You need to create one more connection pointing to the metadata information of the enterprise services in the system.
Consume Enterprise Services (or Web services from R/3) in Visual Composer.

- Open the model in which you want to consume to web service.
- Click on “Find Data”
- Select the System that you created earlier. i.e. ESWP_800 or ESWP_800_Metadata

Enter required group and click on “Search”. You will see list of services that meet the search criteria. Your Web Services are there to be consumed. Drag and Drop the required service to the storyboard and complete the model.
Related Content

ES Workplace homepage on SDN

Request a new user on the ES Workplace

Visual Composer homepage on SDN
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