OAuth Mediator

The OAuth Mediator supports 2 forms of OAuth. It bypasses the RESTful requests and authenticates users against WSO2 Identity Server.

When a client tries to invoke a RESTful service, it may be required to verify the credentials of the client. This can be achieved by registering an OAuth application in the WSO2 Identity Server. When the client sends a REST call with the Authorization header to the ESB, the OAuth mediator validates it with the Identity server and proceeds.

See 2-legged OAuth for Securing a RESTful Service for detailed instructions to carry out this process.

If you are using OAuth 1 a, you will get the org.apache.synapse.SynapseException: Unable to find SCOPE value in Synapse Message Context error when the SCOPE property is not set in the synapse message context. To avoid this error, add a property with the name scope and a value in the synapse message context as shown in the Example section.

Syntax | UI Configuration | Example

Syntax

```
<oauthService remoteServiceUrl="" username="" password=""/>
```

UI Configuration

The parameters available to configure the OAuth mediator are as follows.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OAuth Server</td>
<td>The server URL of the WSO2 Identity Server.</td>
</tr>
<tr>
<td>Username</td>
<td>The user name to be used to log into the WSO2 Identity Server.</td>
</tr>
<tr>
<td>Password</td>
<td>The password used to log into the WSO2 Identity Server.</td>
</tr>
</tbody>
</table>
Example

In the following OAuth mediator configuration accesses a remote service via the `https://localhost:9443/service` URL. The user accessing this service is authenticated via the OAuth application registered in the WSO2 Identity Server and accessed via the `http://ws.apache.org/ns/synapse` URL. The username used to log into the WSO2 Identity Server is `foo` and the password is `bar`. Both the user name and the password should be registered in the Identity Server. The Property mediator adds a property named `scope` to the synapse message context. The value of this property will be used by the OAuth mediator to send the OAuth request.

```
<property name="scope" scope="default" type="STRING" value="123"/>
```

The following example is applicable for OAuth 2.0 as well.