Retrieving Client Access Token using SOAP UI

Below are sample steps for performing the first step of connectivity testing (retrieving a Client Access Token) using SOAP UI Tool. As implementations may vary, this is intended only as a reference to help illustrate how API connections to be PG&E should be performed over mutual (2-way) SSL.

Pre-Requisites

- SOAP UI installed. Can be found at the below link <u>http://www.soapui.org/</u>
- Local Keystore file created (Accessible to the SOAP UI Installation). Tips for converting Certificate and private key to a keystore (.p12 file) can be found below. <u>http://pubs.vmware.com/view-51/index.jsp?topic=%2Fcom.vmware.view.certificates.doc%2FGUID-17AD1631-E6D6-4853-8D9B-8E481BE2CC68.html</u>

https://www.sslshopper.com/ssl-converter.html

3. Any firewall ports that need to be opened to access <u>https://api.pge.com</u>

Configurations Steps for SOAP UI:

Navigate to File -> Preferences -> SSL Settings

Set the below parameters as shown in the screenshot.

- Keystore location
- Keystore password
- Check "require Client Authentication"

Click 'OK'

SoapUI Preferences				23
SoapUI Preferences Set global SoapUI settings				X
HTTP Settings	KevStore:	filepath\fileName.p12	Browse	
Proxy Settings SSL Settings	KeyStore Password:	••••••]	
WSDL Settings	Enable Mock SSL:	enable SSL for Mock Services		
UI Settings	Mock Port:]	
Editor Settings Tools	Mock KeyStore:		Browse	
WS-I Settings	Mock Password:]	
Global Properties	Mark Kar Danarak]	
Global Security Settings	WOCK Key Password:			
WS-A Settings	Mock TrustStore:		Browse	
Global Sensitive Information Tokens	Mock TrustStore Password:]	
Version Update Settings	or that is is		1	
	Client Authentication:			
				OK Cancel

SOAP UI Test Steps:

Navigate to File -> New REST Project

Enter the url as shown below

https://api.pge.com/datacustodian/oauth/v2/token

New REST Project	22
New REST Project Creates a new REST Project in this workspace	(3)
URI: https://api.pge.com/datacustodian/oauth/v2/token	
OK Cance	I Import WADL

Set the relevant params as shown below in the screen shot and hit the play button. Successful response is shown below in the screen shot.

SF Request 1		r و. ۲
Method Endpoint	Resource	Parameters
POST Vhttps://api.pge.com	 /datacustodian/oauth/v2/token 	?grant_type=client_credentials
(# t= X= "" I V A () \$ (=		
Name Value Style Level	2 "client_access_token": "8f1fe9a	d-cd21-4e5c-ab05-8eaf298a70f4",
arant type client credentials OUERY PESOURCE	<pre>3 "token_type": "Bearer",</pre>	
	4 "expires_in": 3600, 5 "scope": "5+6+7"	
	6 }	
▲▼		
Required: Sets if parameter is required		
▼		
Media Type application/ison 💌 🖸 Post QuerySt		
+_ X 0		
Header Value		
Authorization Basic MzgzMDMzMzc0QjY1Nz		
		•
Head Attach Represent JMS JMS Pro	Representations (15) Schema (conflicts) JMS (0)	