Oracle Web Service Manager Implementation Guide Oracle FLEXCUBE Universal Banking Release 14.1.0.0.0 [May] [2018]



Table of Contents

1.	IN	TRODUCTION	1-1
2.	PR	REREQUISITES	2-1
		STALLATION	
4.	AT	TACHING POLICIES TO THE WEB SERVICE	4-1
		ESTING WEB SERVICE WITH POLICIES	
	5.1	TESTING WEB SERVICE THROUGH ENTERPRISE MANAGER	
	5.2	TESTING OF WEB SERVICE VIA SOAP UI (EVIWARE SOAPUI3.0.1)	



1. Introduction

The Oracle Web Services Manager (WSM) Policy Manager is the security and management policy lynchpin for Oracle Fusion Middleware 11*g* Web services. It provides a policy framework to manage and secure Web services consistently across your organization. Oracle WSM can be used by both developers, at design time, and system administrators in production environments. The policy framework is built using the WS-Policy standard

The following list provides examples of specific tasks that you can perform using Oracle WSM:

- Handle WS-Security (for example, encryption, decryption, signing, signature validation, and so on)
- Define authentication and authorization policies against an LDAP directory.
- Generate standard security tokens (such as SAML tokens) to propagate identities across multiple Web services used in a single transaction.
- Segment policies into different namespaces by creating policies within different folders.
- Examine log files.



2. Prerequisites

This document assumes that the following software are installed and configured properly.

- Oracle SOA Suite 11g
- Oracle Weblogic Server 11g
- Oracle Web Service Manager 11g which comes along with Oracle SOA suite 11g
- eviware soapUI3.0.1 (For testing the web service with policy)

Gateway EJB and Gateway Web Services has to be deployed on weblogic server before attaching policies.

For gateway EJB and gateway Web services deployment please refer to Gateway Installation guide.



3. Installation

For the installation of Oracle SOA 11g and Oracle Weblogic 11g please refer to Installation Guide for Oracle SOA Suite and Getting Started With Installation for Oracle Weblogic Server respectively.



4. Attaching policies to the Web Service

The following policy which have been tested with FLEXCUBE services :

- policy:oracle/wss_username_token_service_policy
- Please follow the procedure mentioned to attach a policy to the web service.

Navigate to the Summary of Deployments page.

	dministra	tion Console						
Change Center	Hom	e Log Out Preferences 🔤 Record Help	Q	W	elcome, weblogic	Connected to: soa_domain		
View changes and restarts		Summary of JDBC Data Sources >Summary of Deployments >GW_EJB_Be nents >FCUBSCcyService >Summary of Deployments >FCUBSCcyService				mary of		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summar	y of Deployments Monitoring			-			
Domain Structure	_							
Book of the state of the s								
Data Sources	🖗 Custo	mize this table						
Data Source Factories	Deploy	ments						
Persistent Stores Foreign JNDI Providers	Multi Data Sources Data Source Factories Persistent Stores Foreign JNDI Providers Install Update Delete Start Stop Showing 1 to 10 of 26 Previous Next							
XML Registries		Name 💫	State	Health	Туре	Deployment Order		
How do I		🗑 AqAdapter	Active	🖋 ок	Resource Adapter	324		
Install an Enterprise application Configure an Enterprise application		🗈 📑 b2bui	Active	🖋 ОК	Enterprise Application	313		
Update (redeploy) an Enterprise application			Active	🖋 ок	Resource Adapter	322		
 Start and stop a deployed Enterprise application 			Active	🖋 ок	Enterprise Application	314		
Monitor the modules of an Enterprise application		☑ ODMS Application (11.1.1.1.0)	Active	🖋 ОК	Web Application	190		

1. Expand the web service application and click on Web Services link.



Update (redeploy) an Enterprise application			Active	🖋 ОК	Resource Adapter	322
 Start and stop a deployed Enterprise application 			Active	🖋 ок	Enterprise Application	314
 Monitor the modules of an Enterprise application 		ODMS Application (11.1.1.1.0)	Active	🖋 ок	Web Application	190
Deploy EJB modules Install a Web application		œ ⊡ em	Active	🖋 ок	Enterprise Application	400
System Status			Active	🖋 ОК	Enterprise Application	100
Health of Running Servers		⊡ Modules				
Failed (0)		FCUBSCcyService			Web Application	
Critical (0)		E BBs				
Overloaded (0) Warning (0)		None to display				
OK (2)		⊡ Web Services				
		@ ^y FCUBSCcyService			Web Service	
			Active	🖋 ОК	Resource Adapter	321
			Active	🖋 ок	Enterprise Application	150
		₩ FtpAdapter	Active	🖋 ОК	Resource Adapter	325
	Ins	tall Update Delete Start V Stop V			Showing 1 to 10	of 26 Previous Next

2. Navigate to the Configuration tab.

ORACLE WebLogic Server®	Administration Console						
Change Center	Home Log Out Preferences	Record Help	Q Welcome, weblogic	Connected to: soa_domain			
View changes and restarts		SGW_EJB_Bean >Summary of Deploynt >Summary of Deployments >FCUBSCO	ments >build >Summary of Deployments >FCUBSCc cyService	cyService >Summary of			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for FCUBSCcyService	2					
moury, and or delete items in ans domain.	Overview Configuration S	Overview Configuration Security Testing Monitoring					
Domain Structure							
soa domain Denvironment Deployments Services Descrites	Java Web Service (JWS) file, w Service. This page displays the general o	which is a Java class that uses JWS me	at is available to other systems on a network. It is etadata annotations to specify the shape and be vice, such as the name that appears in the Deplo is packaged, and name that appears in the WSDI	havior of the Web			
Data Source Factories	Deployment Name:	FCUBSCcyService	The name of the Web Service Deployments table. More In				
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	Module Name:	FCUBSCcyService.war	The name of the Web Service file or EJB JAR file depending features it implements. More	on the Web Service			
How do I • Start and stop a Web Service	Service Name:	FCUBSCcyService	The name of this Web Service WSDL file that defines the pul Service. More Info				
View the Web Service configurationView the WSDL of a Web Service							

3. Click 'WS-Policy'.



Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSCcyService										
modify, add or delete items in this domain.	Overview Configuration Sec	urity Testing Monitoring									
Domain Structure	General Handlers WSDL	VS-Policy Port Components									
sọa_domain		io rolley front componento									
Environment	Save										
Deployments	Save										
E-Services											
⊕-Messaging	Use this page to view the general of	configuration of this Web Service, such as the typ	be of archive it is packaged in (WAR or EJB JAR), the file								
E-JDBC that contains the Web Service implementation, and so on.											
Data Sources											
Multi Data Sources	Name:	FCUBSCcvService	The name of the Web Service. More Info								
LData Source Factories	Maine.	1 COBSCLYSEI VICE									
Foreian JNDI Providers	Description:	(No value specified)	Specifies the description of the Web Service. More								
Work Contexts	Description.	(No value specifica)	Info								
XML Registries											
XML Entity Caches	Web Service Type:	JAX-WS 2.1	The Web Service Type (JAX-WS / JAX-RPC). More								
			Info								
How do I											
 Start and stop a Web Service 	Implementation Type:	WAR									
View installed Web Services	Implementation Source:	FCUBSCcyService.war									
 View the WSDL of a Web Service 											
 Monitor a Web Service 	4 WSDL Publish File:		Flag that specifies whether to publish the WSDL of the								
Install a Web Service			deployed Web Service for JAX-RPC Web Services. Note that JAX-WS Web Services always publish the WSDL.								
			Valid values include true or false. If set to true, then the								
Sustan Status			server returns the WSDL upon request using the URL								
System Status			format: service_address?WSDL. If false, then the server returns a 404 code because the WSDL is not available.								
Health of Running Servers			returns a 404 code because the WSDL is not available. The WSDL file is defined by the <wsdl-file> element in</wsdl-file>								
			the webservices.xml descriptor. More Info								

4. Select web service end point of the web service.

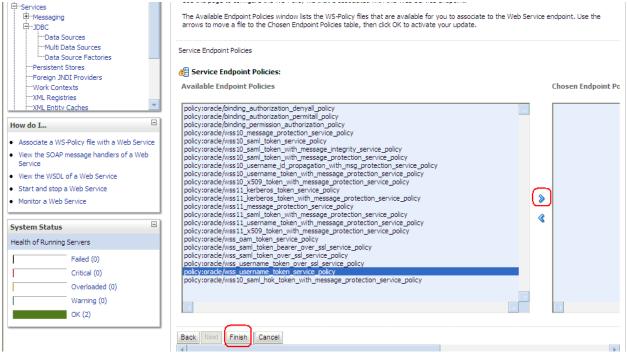
	Administrati	on Consol	e							
Change Center	🙆 Home	Log Out Pre	eference	s 🔤 Record	Help		٩	Welcome, v	veblogic	Connected to: soa_domain
View changes and restarts										cyService >Summary of
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for FCUBSCcyService									
mounty, and of delete remoins and domain	Overview	Configu	ration	Security	Testing	Monitoring				
Domain Structure	General	Handlers	WSDL	WS-Polic	v Port	t Components	1			
Deployments Services Messaging JDBC Data Sources Multi Data Sources	delete items in this domain. Overview Configuration Security Testing Monitoring cture General Handlers WSDL WS-Policy Port Components t ts This page lists the policy files that are associated with the endpoints and operations of this WebService. The operations are listed below the endpoint or operation name to configure an associated policy file. For example, you can specify that the policy file apples only for inbound (request) SOAP messages, and so on . a Sources WS-Policy Files Associated With This Web Service to bata Sources Showing 1 to 1 of 1 Previous Next stores Showing 1 to 1 of 1 Previous Next									
Data Source Factories								SI	nowing 1	to 1 of 1 Previous Next
Persistent Stores Foreign JNDI Providers	Service	e Endpoints	s and Op	perations 🔗	•				F	Policies
Work Contexts XML Registries XML Entity Caches	d restarts g is enabled. Future titically be activated as you te items in this domain. a General Handlers WS-Policy Files Associated With This Web Service Showing 1 to 1 of 1 Providers ts ses									
How do I										

5. Select OWSM web service policy and navigate to the next page by clicking on 'Next'.



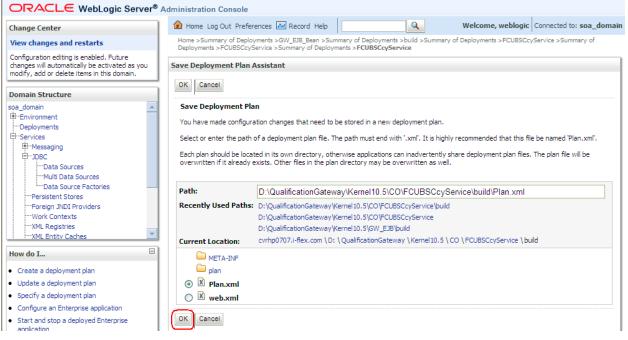


6. Select policy:oracle/wss_username_token_service_policy and click on finish.

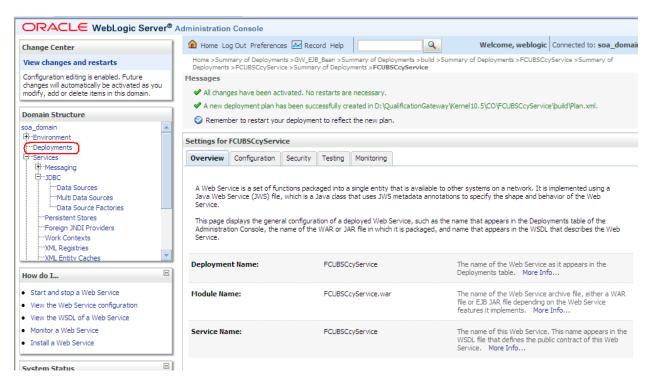


7. Update the plan.xml.





8. Click on Deployment to restart the application to reflect the plan.



Stopping the application.





This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Insta	II Update Delete Start ~	Stop 🛩			Showing 1 to 10	of 26 Previous Next
	Name 🗠 🔰	When work completes			Туре	Deployment
		Force Stop Now				Order
	\overline AqAdapter	Stop, but continue servicing administr	ation req	uests (Resource Adapter	324
	🗉 📑 b2bui		Active	🖋 ок	Enterprise Application	313
	DbAdapter		Active	🖋 ок	Resource Adapter	322
			Active	🖋 ок	Enterprise Application	314
		1.0)	Active	🖋 ок	Web Application	190
	⊡ [Bem		Active	🖋 ОК	Enterprise Application	400
	■ FCUBSCcyService		Active	🖋 ОК	Enterprise Application	100
			Active	🖋 ок	Resource Adapter	321

10. Starting the application.

soa_domain ▲ ⊕-Environment → Deployments → Services → ⊕-Messaging → Data Sources → Multi Data Sources → Multi Data Sources → Data Source Factories →	This pa applica and us	Monitoring ge displays a list of Java EE applications and stand-alone application tions and modules can be started, stopped, updated (redeployed), or ing the controls on this page. all a new application or module for deployment to targets in this doma	deleted from	n the doma	ain by first selecting t	
Persistent Stores Foreign JNDI Providers	Custo	mize this table				
Work Contexts XML Registries XML Entity Caches	Deploy Instal				Showing 1 to 10 c	of 26 Previous Nex
How do I		Name Servicing all requests Servicing only administration requests	State	Health	Туре	Deployment Order
Install an Enterprise application Configure an Enterprise application		₩ AqAdapter	Active	🖋 ок	Resource Adapter	324
Update (redeploy) an Enterprise application Start and stop a deployed Enterprise		🗄 📑 b2bui	Active	🖋 ок	Enterprise Application	313
applicationMonitor the modules of an Enterprise		₩ DbAdapter	Active	🖋 ок	Resource Adapter	322
application Deploy EJB modules		Contract DoTaskFlow	Active	🖋 ок	Enterprise Application	314
 Install a Web application 			Active	🖋 ок	Web Application	190
System Status		⊞ []em	Active	🖋 ок	Enterprise Application	400
Health of Running Servers			Prepared	🖋 ок	Enterprise Application	100
Failed (0) Critical (0)		🐼 File Adapter	Active	🖋 ок	Resource Adapter	321

11. After starting the application make sure that it is active.



Domain Structure	Summa	ry of Deployme	ents						
oa_domain	Contr	ol Monitoring							
	applii and u To in Cust Deple	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button. Customize this table Deployments Install Update Delete Start Stop Stop Showing 1 to 10 of 26 Previo							
100 40 1		Name 🚕		State	Health	Туре	Deployment Order		
Install an Enterprise application Configure an Enterprise application		AqAdapter		Active	🖋 ок	Resource Adapter	324		
Update (redeploy) an Enterprise application Start and stop a deployed Enterprise		🕀 📑 b2bui		Active	🖋 ок	Enterprise Application	313		
application Monitor the modules of an Enterprise		■ DbAdapter		Active	🖋 ок	Resource Adapter	322		
application Deploy EJB modules		🕀 📑 DefaultT	DoTaskFlow	Active	🖋 ок	Enterprise Application	314		
Install a Web application		E DMS App	lication (11.1.1.1.0)	Active	🖋 ок	Web Application	190		
ystem Status 😑		🕀 📑 em		Active	🖋 ок	Enterprise Application	400		
Health of Running Servers				Active	✓ ок	Enterprise	100		

12. Expand the application and click on the web service to verify the policies attached with it.

Configure an Enterprise application	_					
Update (redeploy) an Enterprise application		➢DbAdapter	Active	🖋 ок	Resource Adapter	322
 Start and stop a deployed Enterprise application 			Active	🖋 ок	Enterprise Application	314
 Monitor the modules of an Enterprise application 		OMS Application (11.1.1.1.0)	Active	≪ок	Web Application	190
Deploy EJB modules Install a Web application		€ Com	Active	🖋 ок	Enterprise Application	400
System Status			Active	≪ок	Enterprise Application	100
Health of Running Servers		🗆 Modules				
Failed (0)		FCUBSCcyService			Web Application	
Critical (0)		🖂 EJBs				
Overloaded (0) Warning (0)		None to display				
OK (2)		⊟ Web Services				
		(FCUBSCcyService			Web Service	
		🗑 File Adapter	Active	🖋 ок	Resource Adapter	321
		€ ToFMW Welcome Page Application (11.1.0.0.0)	Active	🖋 ОК	Enterprise Application	150
			Active	🖋 ОК	Resource Adapter	325
	Instal	Update Delete Start V Stop V			Showing 1 to 10	of 26 Previous Next
WebLogic Server Version: 10.3.1.0						

Copyright © 1996,2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.



ORACLE WebLogic Server®	Administration Console		
Change Center	Home Log Out Preferences	🗠 Record Help	Welcome, weblogic Connected to: soa_domain
View changes and restarts		build >Summary of Deployments >FCUBSCc Summary of Deployments > FCUBSCcyServi	yService >Summary of Deployments >FCUBSCcyService >Summary of ce
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for FCUBSCcyService	curity Testing Monitoring	
Domain Structure		carty resting roomaning	
soa_domain Environment Deployments Services P-Messaging D-DBC Data Sources Multi Data Sources	Java Web Service (JWS) file, whi Service. This page displays the general co	ich is a Java class that uses JWS metadata	ilable to other systems on a network. It is implemented using a annotations to specify the shape and behavior of the Web ch as the name that appears in the Deployments table of the aged, and name that appears in the WSDL that describes the Web
LData Source Factories	Deployment Name:	FCUBSCcyService	The name of the Web Service as it appears in the Deployments table. More Info
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	Module Name:	FCUBSCcyService.war	The name of the Web Service archive file, either a WAR file or EJB JAR file depending on the Web Service features it implements. More Info
How do I 😑	Service Name:	FCUBSCcyService	The name of this Web Service. This name appears in the WSDL file that defines the public contract of this Web
Start and stop a Web Service View the Web Service configuration View the WSDL of a Web Service Monitor a Web Service Install a Web Service			Service. More Info

Configure an Enterprise application Update (redeploy) an Enterprise application			Active	🖋 ок	Resource Adapter	322
 Start and stop a deployed Enterprise application 		DefaultToDoTaskFlow	Active	🖋 ок	Enterprise Application	314
Monitor the modules of an Enterprise application		DMS Application (11.1.1.1.0)	Active	🖋 ок	Web Application	190
Deploy EJB modules Install a Web application		æ ⊑∄em	Active	🖋 ок	Enterprise Application	400
System Status			Active	🖋 ОК	Enterprise Application	100
Health of Running Servers		🗆 Modules				
Failed (0)		FCUBSCcyService			Web Application	
Critical (0)		E EJBs				
Overloaded (0) Warning (0)		None to display				
OK (2)		⊡ Web Services				
		(@)FCUBSCcyService			Web Service	
		🗑 FileAdapter	Active	🖋 ок	Resource Adapter	321
		€ FMW Welcome Page Application (11.1.0.0.0)	Active	🖋 ок	Enterprise Application	150
			Active	🖋 ок	Resource Adapter	325
	Insta	Update Delete Start V Stop V			Showing 1 to 10	of 26 Previous Next
WebLogic Server Version: 10.3.1.0 Copyright © 1996,2009, Oracle and/or its affiliates. All right						

Copyright (c) 1996,2009, Oracle and/or its amiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.



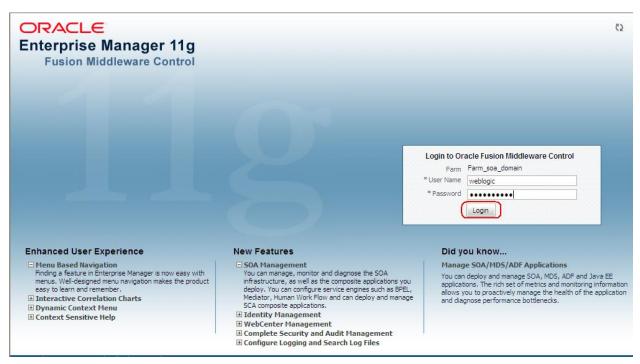
	dministrati	on Consol	e							
Change Center	쉾 Home	Log Out Pre	eference	s 📐 Recor	d Help		٩	Welcome, weblogic	Connected to: soa_domain	
View changes and restarts		Home >Summary of Deployments >build >Summary of Deployments >FCUBSCcyService >Summary of Deployments >FCUBSCcyService >Summary of Deployments >FCUBSCcyService >Summary of Deployments > FCUBSCcyService								
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings fo	Settings for FCUBSCcyService Overview Configuration Security Testing Monitoring								
Domain Structure	overview					Horitoring				
soa domain	General	Handlers	WSDL	WS-Poli	y Por	t Components				
Deployments Services Muessaging Data Sources Multi Data Sources	WS-Policy Files Associated with This web Service									
Data Source Factories								Showing 1 t	o 1 of 1 Previous Next	
Persistent Stores Foreign JNDI Providers	Service Endpoints and Operations 🗞 Policies									
Work Contexts	FCUBSCcyServiceSEI policy:oracle/wss_username_token_service_policy									
XML Registries XML Entity Caches								Showing 1 t	o 1 of 1 Previous Next	
How do I										



5. Testing Web Service with Policies

5.1 Testing Web Service through Enterprise Manager

1. Once attaching the policies is finished, login to the enterprise manager (http://hostname:port/em)



2. Expand the Weblogic Domain and Select the domain (created during SOA installation).



		Farm_soa_domain 🛈			Page Refreshed (Oct 26, 2009	Logged in as weblogic 7:58:50 PM GMT+05:30 C
	Г	Deployments			E Fusion Middleware		e -
		100%)	■ ^{Up} (22)	803		■ Down (1) ■ Up (4)
	L	Name	Status	Target	Name	Status	Host
	L	🖃 🚞 Application Deployments			🖃 🛅 WebLogic Domain		
		🗉 🛅 Internal Applications			🖃 📲 soa_domain		
	•	🗄 🚞 Resource Adapters			AdminServer	Û	cvrhp0707.i-flex
		DefaultToDoTaskFlow		soa_server1	bam_server1	4	
		FCUBSCcyService	$\overline{\mathbf{O}}$	soa_server1	soa_server1	Û	cvrhp0707.i-flex
		GW_EJB_Bean	$\overline{\mathbf{O}}$	soa_server1	🖂 🚞 Metadata Repositories		
		Worklistapp	$\overline{\mathbf{O}}$	soa_server1	🚯 mds-owsm		cvrhp0707.i-flex
		🖃 🚞 SOA			🐼 mds-soa		cvrhp0707.i-flex
		🚟 soa-infra	Û	soa_server1	🖃 🚞 User Messaging Service		
					usermessagingdriver-email (soa_ser	Û	cvrhp0707.i-flex
					usermessagingserver (soa_server 1)	Ŷ	cvrhp0707.i-flex
					Farm Resource Center		C.

3. Select Test Web Service link from the fusion middleware control.

ORACLE [®] Enterprise	Ма	ina	ger 11g Fusion	Middlew	are Control							Setu	p 👻 Help 🔻	 Log Out 		
📑 Farm 🕶 🖓 Topology																
∃ -	T	50	a_domain 🛈										Logged in a	s weblogic		
🖃 📴 Farm_soa_domain			WebLogic Domain	-							Page Refreshed	Oct 26, 2009 8	3:03:22 PM G	мт+о5:30 С2		
			Home							۷	Clusters			~		
WebLogic Domain Joa domain			Logs			→⊢			and manage n, use the Or		Search	(Cluster	Cluster		
🗄 🚞 Metadata Repositories			Destallance				Web	Logic Server	r Administratio		Name 🛆 🗸		Address	Messagii Mode		
🗄 🛅 User Messaging Service			Port Usage				<u>Console</u> .				No Clusters found					
			SOA		Application Deplo	wment					<		IIII			
								SOA Deployment	·			9		Deployments		
							_									
		1		- 1		Web Services			Ð	Policies						
	•		Security			•	Test Web Service Registered Services									
			Metadata Repos	itories								100%				
						System MBean B				Platform Policy Configuration						
									WebLogic Server Administration Console						-	
						1			- · ·	Bear	Search Name			Sta		
	ļ	110	General Informa	tion Status	Host C	uster	Listen Port	Active Sessions	Request Processing	Accesses (per	Application Deple	oumonto		56		
							FOIL	365510115	Time (ms)	minute)	E DInternal Appl					
			AdminServer	Û	cvrhp0		7001	4	0.00	0.00	E Resource Ad					
		_	bam_server1	-					Unavailable		CefaultToDo					
		-	soa_server1	Û	cvrhp0		8001	0	0.00		FCUBSCcySe	rvice		4		
		<]				1111				>	🕒 GW_EJB_Bea	an		4		
			Oracle WebLogi	c Domai	n Resource Ce	enter				¥	🗬 worklistapp			4		
		<u> </u>														

4. Enter the WSDL URL of the web service for which policy is applied and click on Parse WSDL.



	Manager 11g Fusion Middleware Control	Setup ▾ Help ▾ Log Out
📑 Farm 👻 📇 Topology		
⊒ -	soa_domain 🗿	Logged in as weblogic
🖃 📲 Farm_soa_domain	📑 WebLogic Domain 👻	Page Refreshed Oct 26, 2009 8:06:46 PM GMT+05:30 ᢗ2
Image: Construction Deployments Image: Construction Deployment Image: Construction Deployment <tr< td=""><td>Test Web Service Use this page to test any WSDL, including WSDLs that are not in the farm. To test a Web service, enter the W refreshes with the WSDL details, first select the Service, then select the Port, and then select the Operation to parameters, and click Test Web Service. WSDL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService?WSDL HTTP Basic Auth Option for WSDL Access</td><td>/SDL and dick Parse WSDL, When the page</td></tr<>	Test Web Service Use this page to test any WSDL, including WSDLs that are not in the farm. To test a Web service, enter the W refreshes with the WSDL details, first select the Service, then select the Port, and then select the Operation to parameters, and click Test Web Service. WSDL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService?WSDL HTTP Basic Auth Option for WSDL Access	/SDL and dick Parse WSDL, When the page

5. Select the operation for which you want to test the web service.

	anager 11g Fusion Middleware Control Setup - Help - I	Log Out
Constant Sector Se	anager 11g Fusion Middleware Control Soa_domain Logged in as w MebLogic Domain Page Refreshed Oct 26, 2009 8:20:07 PM GMT+ Test Web Service Service For the Service, including WSDLs that are not in the farm. To test a Web service, enter the WSDL and click Parse WSDL. When the page refreshes with the WSDL details, first select the Service, then select the Operation that you want to test. Specify any input parameters, and click Test Web Service. WSDL http://cvrhp0707.i-flex.com:3001/FCUBSCcyService/FCUBSCcyService?WSDL HTTP Basic Auth Option for WSDL Access Service FCUBSCcyService Port FCUBSCcyService Port FCUBSCcyService Fordpoint URL http://cvrhp0707.i-flex.com:3001/FCUBSCcyService/FCUBSCcyService Fordpoint URL http://cvrhp0707.i-flex.com:3001/FCUBSCcyService/FCUBSCcyService Fordpoint URL Response	eblogic
	Security WSS Username Token HTTP Basic Auth Custom Policy None Quality of Service WS-RM WSDL Default None Custom Policy URI Policy URI Policy URI None Custom WS-Addressing WSDL Default None Custom Policy URI	

6. Select WSS Username Token and enter the Weblogic credentials.



Image: Solution of the second seco	ORACLE Enterprise	e Manager 11g Fusion Middleware Control	Setup 👻 Help 👻	Log Out
□ ① Farm_soa_domain □ Page Refreshed Oct 26, 2009 81:20:07 PM GMT+05:30 □ ① Application Deployments □ ③ Application Deployments □ ③ SOA □ ③ WebLogic Domain □ ④ WebLogic Domain □ ③ Lest web Service □ ◎ WebLogic Domain □ ③ soa_domain	📑 Farm 👻 🖓 Topology			
Image: Metadata Repositories WSLL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService?WSDL Image: MSDL Image: Mission of the search		WebLogic Domain Page Refrach Test Web Service Use this page to test any WSDL, including WSDLs that are not in the farm. To test a Web service, enter the WSDL and clck Pare refreshes with the WSDL details, first select the Service, then select the Port, and then select the Operation that you want to parameters, and clck Test Web Service. WSDL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService?WSDL HTTP Basic Auth Option for WSDL Access Service Service FCUBSCcyServiceSEI Operation QueryCcyDefn Endpoint URL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService Edit Endpoint URL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService Edit Endpoint URL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService Edit Endpoint URL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService/FCUBSCcyService Edit Endpoint URL http://cvrhp0707.i-flex.com:8001/FCUBSCcyService WSS Username Token HTTP Basic Auth Custom Policy WSRM WSDL Default None Custom Policy URI WSDL Default None Custom Policy URI WS-Addressing WSDL Default None Custom	ed Oct 26, 2009 8:20:07 PM GW Test Web Service rrse WSDL. When the page test. Specify any input Parse WSDL Parse WSDL	

7. Enter the Request Message and Click on Test Web Service button.

	Mana	ager 11g Fusion Middle	eware Contro	1				Setup 👻 Help 🔻	· Log Out
📲 Farm 🗸 🖧 Topology									
		Da_domain WebLogic Domain →					Page Refreshed Oct :	Logged in as 26, 2009 8:20:07 PM GI	мт+о5:30 €2
 		Concurrent Threads Loops per Thread Delay in Milliseconds	5 10 1000						
		Input Arguments Tree View							
		Name		Туре		Value			
	1	* RequestMsg		string		<fcubs_req_env><fcub< th=""><th><u>5_</u>M</th><th></th><th>E</th></fcub<></fcubs_req_env>	<u>5_</u> M		E
		Request Response						est Web Service	

8. The Test Status Passed indicates the web service is properly authenticated by the policy.

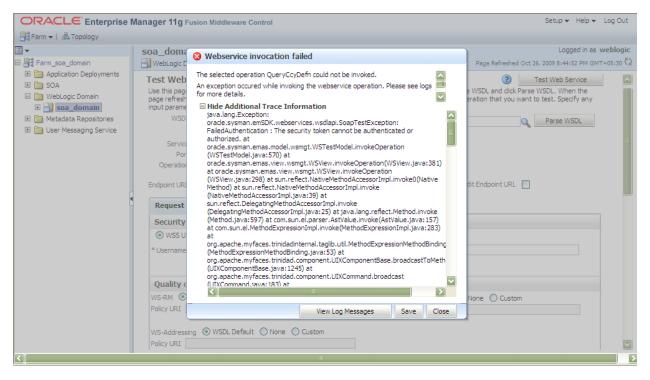


ORACLE Enterprise	Manager 11g Fusion Midd	leware Control		Setup マ Help マ Log Out
📲 Farm 👻 🖓 Topology				
I ▼ I III Farm_soa_domain	soa_domain ⓐ ➡ WebLogic Domain ◄			Logged in as weblogic Page Refreshed Oct 26, 2009 8:44:52 PM GMT+05:30 🗘
□ Image: Farm_soa_domain □ □ Application Deployments □ □ SOA □ □ WebLogic Domain □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ ■ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	refreshes with the WSDL parameters, and click Tes WSDL [http://cw HTTP Basis Service FCUBSCcy Port FCUBSCcy Operation [QueryCc]	details, first select the Set t Web Service. hp0707.i-flex.com:8001/ : Auth Option for WSDL A Service ServiceSEI /Defn p0707.i-flex.com:8001/F	rvice, then select the Port, and then select the Ope FCUBSCcyService/FCUBSCcyService?WSDL	Test Web Service Test Web Service er the WSDL and click Parse WSDL. When the page ration that you want to test. Specify any input Parse WSDL Edit Endpoint URL
	Test Status Pa Response Time (ms) 8; Tree View V Name ResponseMsg		Value xml version="1.0"? <fcubs_res_env xmlns="http://fcubs.iflex.com/service/FCUBSC <fcubs_header> <source/>FLEXCUBE<td></td></fcubs_header></fcubs_res_env 	

9. Wrong credential will result to an error during Testing of web service.

	Manager 11g Fusion Middleware Control	Setup ▼ Help ▼ Log Out
📑 Farm 👻 🖓 Topology		
 Farm v A Topology Velication Deployments Sol Domain WebLogic Domain WebLogic Domain Metadata Repositories User Messaging Service 	soa_domain 🕖	ant to test. Specify any input
	* Username weblogic12 Password •••••• Quality of Service WS-RM ③ WSDL Default ③ None ③ Custom Policy URI WS-Addressing ④ WSDL Default ③ None ③ Custom Policy URI	Lustom





5.2 Testing of Web Service via SOAP UI (eviware soapUI3.0.1)

The above Testing of web service can also be done via SOAP UI as follows:



soapUJ 3.0.1			_ 7 🗙
<u>File I</u> ools <u>D</u> esktop <u>H</u> elp			
🖣 🕲 🕼 🛞 🍰 🖌 📔		Search Forum	# Ø
	8 EUBSCcyService	-* Ø 🗵	막다 🗵
The second s	Overview TestSuites Security Configurations Outgoing WS-Security Configurations Incoming WS-Security Configurations t	Keystores / Certificates	
	Image: Name Default Username/Alias Default Password WS-Username-Token	Actor Must Understand	
Hordracemascenductorize Hordracemascenductorize HordraceMasterOlete Control C	AV		
	ta ta Username Username: weblogic Password:		
	Add Nonce: Adds a nonce Add Created: Adds a created		
I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Password Type: PasswordText		
Project Properties Custom Properties Property Value Name FCUBSCcyService			
Description File D:\soapui-3.0.1	resp		4 : 28
Properties	soapUI log http log jetty log error log wsrm log memory log		

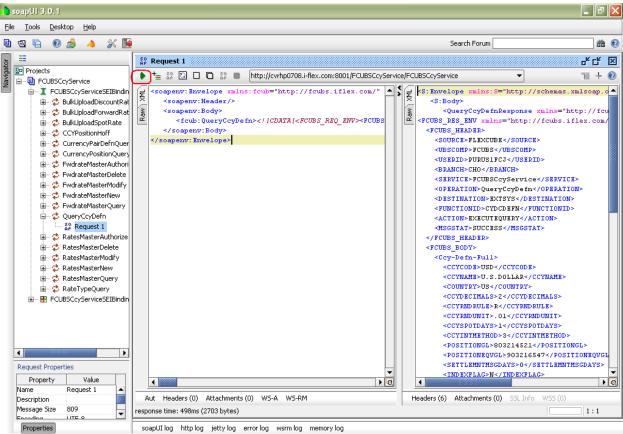
Configure the Outgoing WS- Security Configurations by double clicking the project and navigating to the

- 10. Create a new request for the operation, which you want to invoke.
- 11. Configure the Authentication and security related setting by going to Aut Section as shown to apply the WS-User Token into the request.



💧 soapUI 3.0.1			_ 7 🗙
<u>File Tools Desktop H</u> elp			
🖣 🕾 👘 🔊 🍰 🔺 💥 🎑		Search Forum	# 🕖
	Request 1 * give constant in the interpretation of the	CcyService/FCUBSCcyService	
Properties	respor Authentication and Security-related settings soapUI log http log jetty log error log wsrm log memory log		1:1

12. Run the request by clicking the button as shown.



soapUI log http log jetty log error log wsrm log memory log





Oracle Web Service Manager Implementation Guide [May] [2018] Version 14.1.0.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax: +91 22 6718 3001 https://www.oracle.com/industries/financial-services/index.html

Copyright © [2007], [2018], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

