

	Web Services Gen User Mar		TEM 010
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Revision History

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User Manual



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1 Introduction

1.1 Overview of the System

A tool to generate Web Service based on predefined Templates. This is for a system where many Web Services needs to be written and this tool will eliminate the tedious work of writing the Web Services, WSDL & WADL code.

1.2 General Information

The overview of the project is to develop a tool which will generate source code, compile source code and build the OSGI bundle file for Restful web services to deploy in the JBoss Fuse and Fabric server.

1.3 Users of this Manual

This Software will be used by engineers/technicians who are trained on the application.

2 User Interface

2.1.1 Login Screen.

• User can login with valid user Name and Password as shown below.

	Login	
User Name		
Password		
Forgot your passw	vord?	
	Sign In	Cancel

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2.1.2 Forgot Password.

- User can be Reset the Password using Forgot Password feature.
- User will receive the email with Password after submitting the valid email-ID in Forgot Password popup.

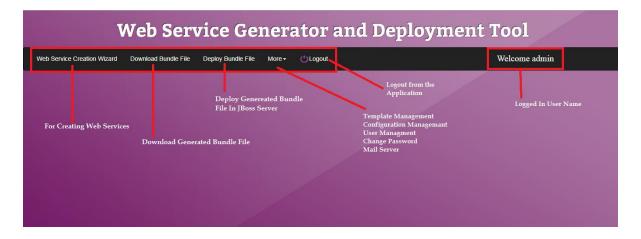
Steps to Rest Password.

- 1. Click on forget Password.
- 2. Enter the valid Email Id
- 3. Click ok
- 4. Mail will be generated and sent to Email Id
- 5. User The generated mail password to login



2.2 Menu Structure

Below screen give the overview of menus which are available in the application.



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2.2.1 Screen Navigation and screen descriptions per screen type (if, any)

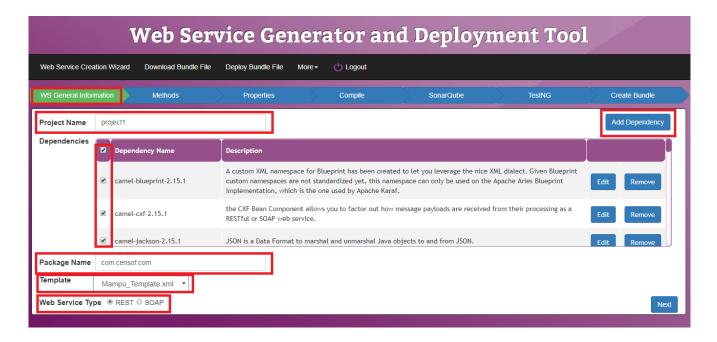
2.2.2 Web Service Creation Wizard

In Web service wizard section user can create web service using different parameters and methods as stated in following steps.

2.2.2.1 Web Service General Info

User Need to Enter Web Service General Information As shown in Image. All below the fields are mandatory.

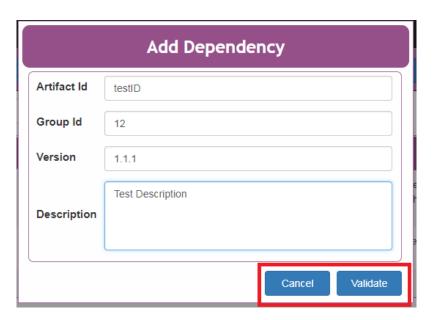
- Enter Project Name (Mandatory)
- Select Dependencies (Mandatory)
- Enter Package Name (Mandatory)
- Select Template (Mandatory)
- Select Web Service Type (Mandatory)
- User can Add Dependencies (Optional)



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2.2.2.1.1 Add Dependency



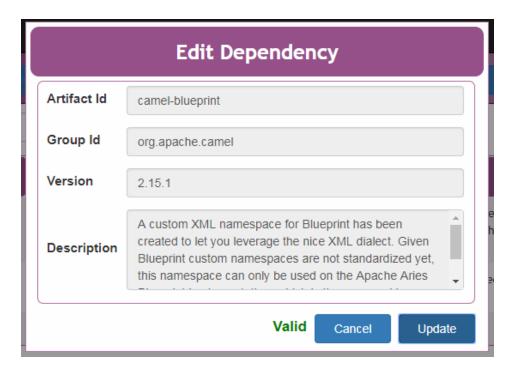
2.2.2.1.2 Edit Dependency

	Edit Dependency
Artifact Id	camel-blueprint
Group Id	org.apache.camel
Version	2.15.1
Description	A custom XML namespace for Blueprint has been created to let you leverage the nice XML dialect. Given Blueprint custom namespaces are not standardized yet, this namespace can only be used on the Apache Aries
	Cancel Validate

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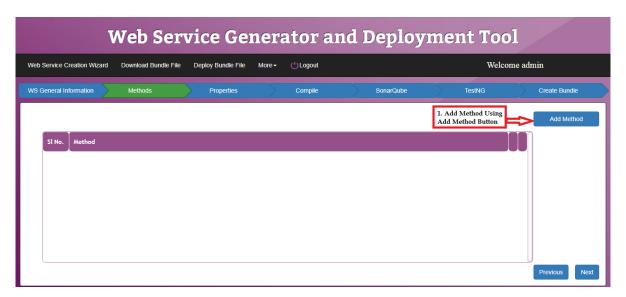


2.2.2.1.3 Update Dependency



2.2.2.3 Methods

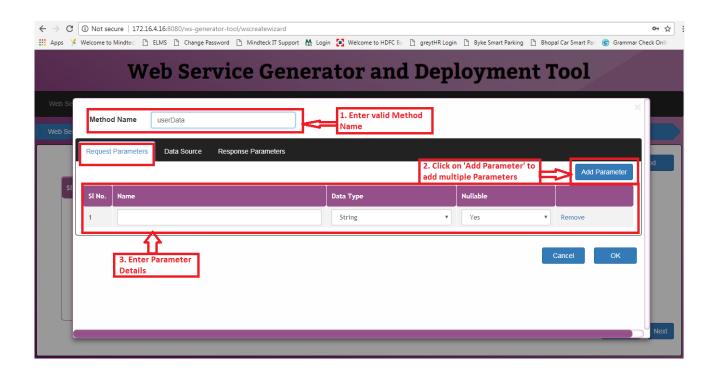
a. Add Methods using 'Add Method' Button



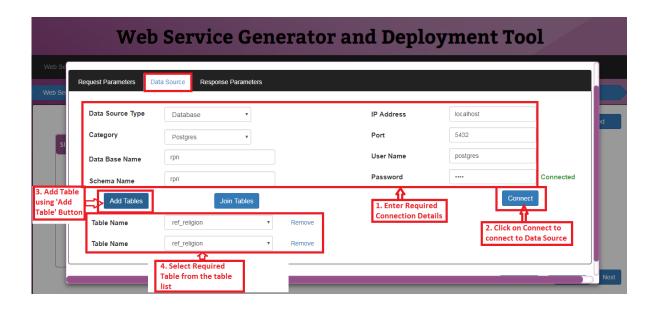
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2.2.2.3.1 Add Method Request Parameter



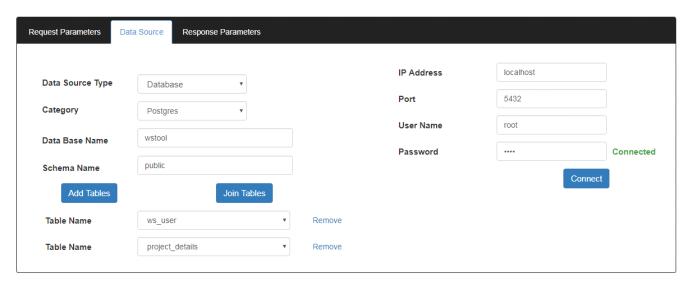
2.2.2.3.2 Add Data Source



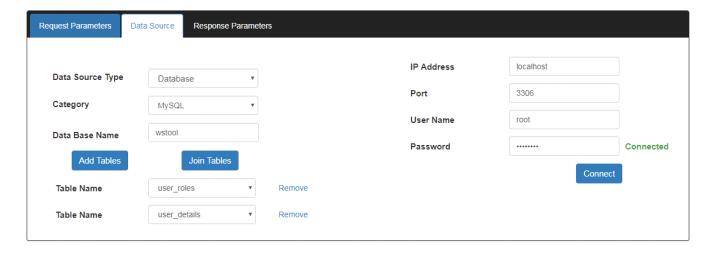
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1. Postgres:



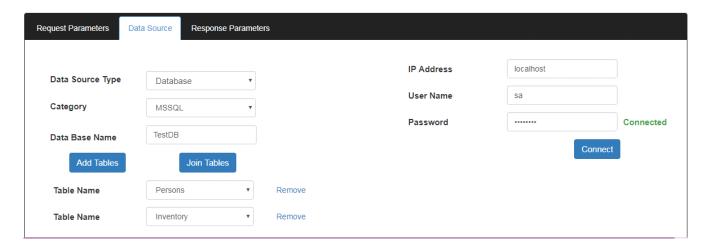
2. MySQL:



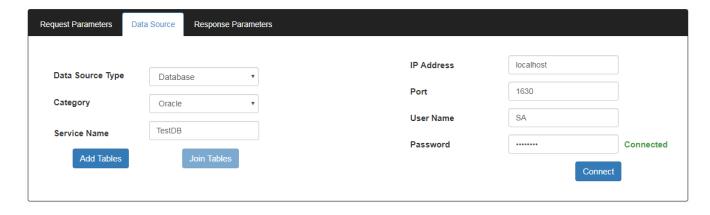
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3. MSSQL:



4. Oracle:

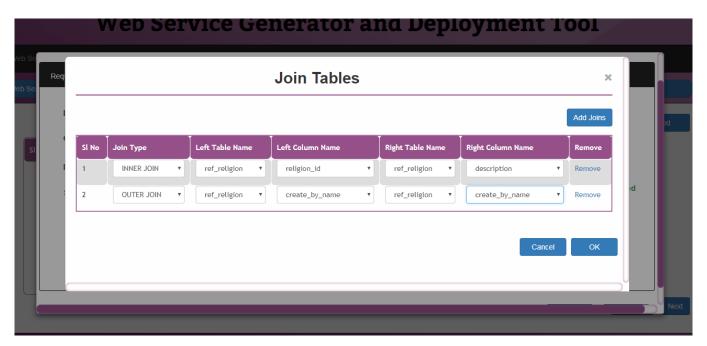


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2.2.2.3.3 Add Joins in Data Source

a. Add Required Joins shown below



Tables With Common Column :- ws_user, role, project_details

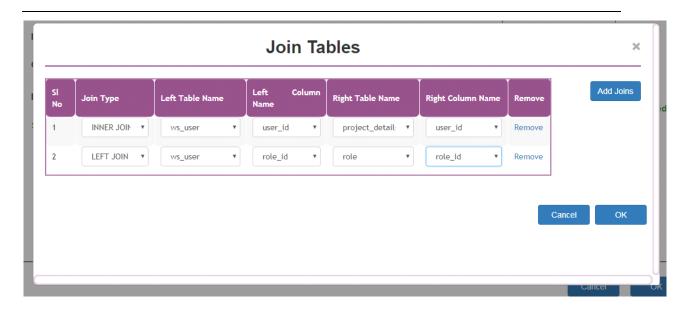
Step1 – Joining the tables using common column/field.

 $1^{\rm st}$ JOIN -Inner join between the tables ws_user and project_details which have the common column user_id.

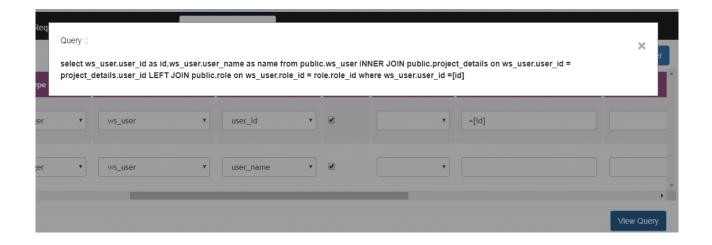
 2^{nd} JOIN – Left join between the tables ws_user and role which have the common column role_id.

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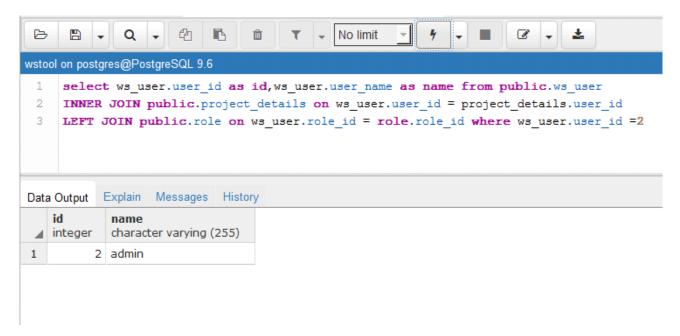
Step 2- Getting the select and from clause from the response parameter table and displaying the query



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Step3 – Executing query in postgres.



Example2:-

1st Join – Right join between the tables project_details and ws_user

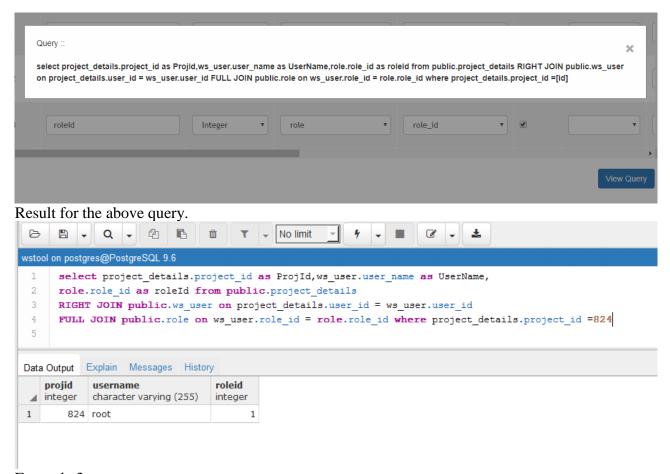
2nd Join – Full join between the tables ws_user and role.

SI No	Join Type	Left Table Name	Left Column Name	Right Table Name	Right Column Name	Remove	Add Joins
1	RIGHT JOII ▼	project_detail 🔻	user_id ▼	ws_user •	user_id ▼	Remove	
2	FULL JOIN ▼	ws_user ▼	role_id ▼	role •	role_id ▼	Remove	

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Query for example 2.



Example 3.

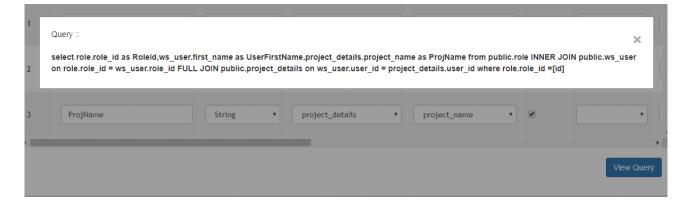
 1^{st} Join – Inner Join between the tables role and ws_user. @nd Join- Full Join between the tables ws_user and project_details.

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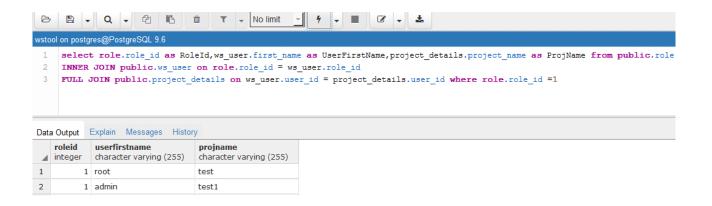




Query For Example 3.



Result for the above query.



Example 4.

1st Join – Left join between the tables project_details and ws_user.

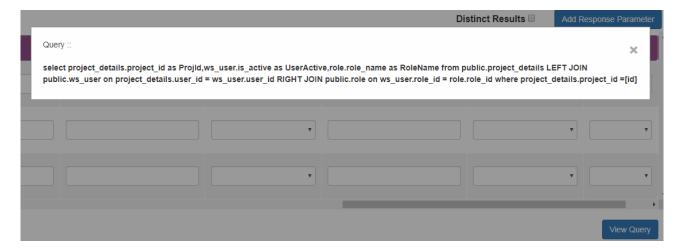
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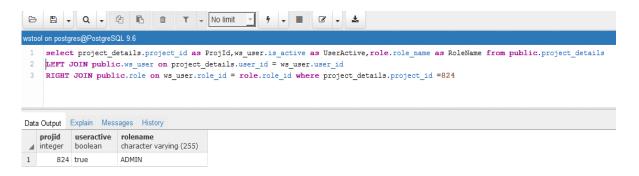
2nd Join- Right join between the tables role and ws_user.



Query for Example 4.



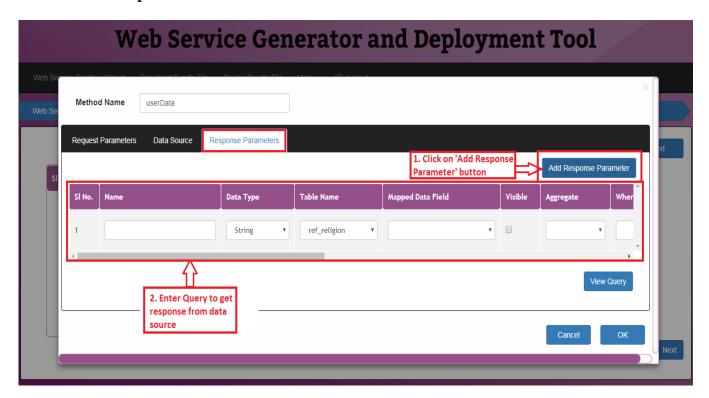
Result for the above.



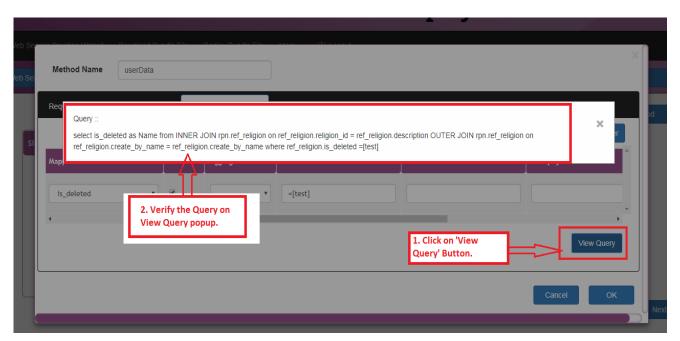
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2.2.2.3.4 Add Response Parameter



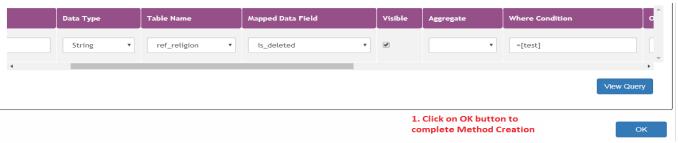
2.2.2.3.5 View Query for Response parameter



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2.2.2.3.6 View Query for Response parameter



2.2.2.3.7 Navigate Properties page from Methods page

- User can edit the method which is create by using edit feature.
- Navigate to Properties page using 'Next' button.

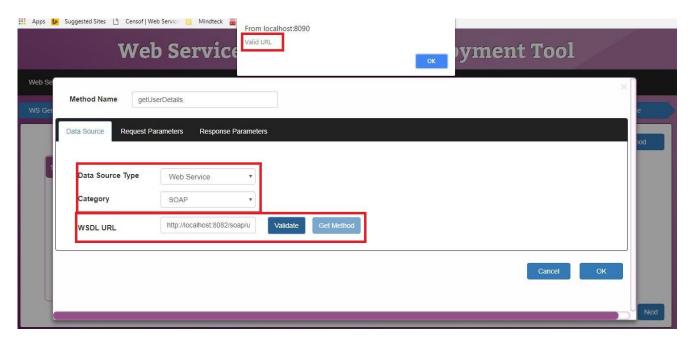


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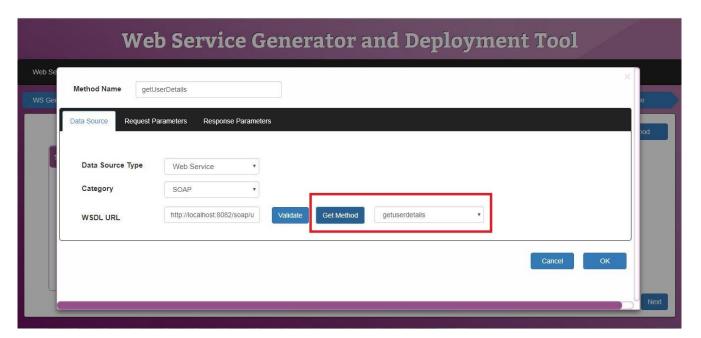
2.2.2.4.1 Add Web Service as Data source

- Select Data Source as SOAP.
- User can enter WSDL URL and validate it as shown below and validate the URL as shown below.



2.2.2.4.2 Add Web Service as Data source

• If the URL is valid user can see the Methods dropdown and can select any method.

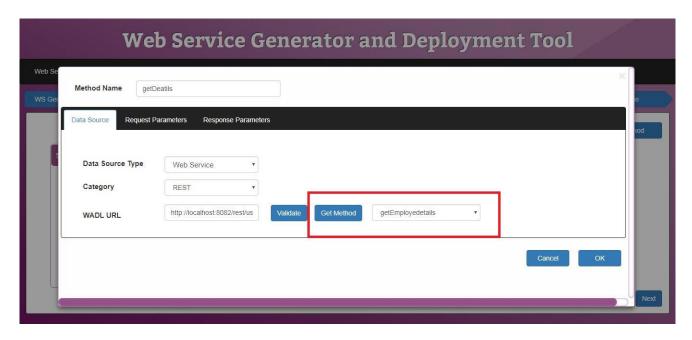


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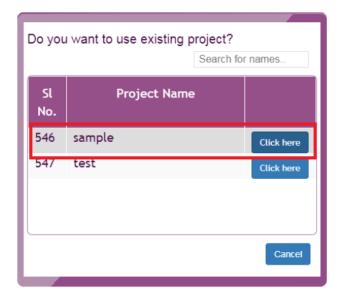
2.2.2.5.1 Add Web Service as Data source

Select Data Source as REST service and add Methods from the service.



2.2.2.5.2 Resume User Activity

- User can retrieve the activity if signed out while creating web service.
- If user logged out and logged in again in to the application User will see a popup with the list of old pending projects.
- Project creation previous data will be retrieved after User clicks on 'Click Here' button of the project.

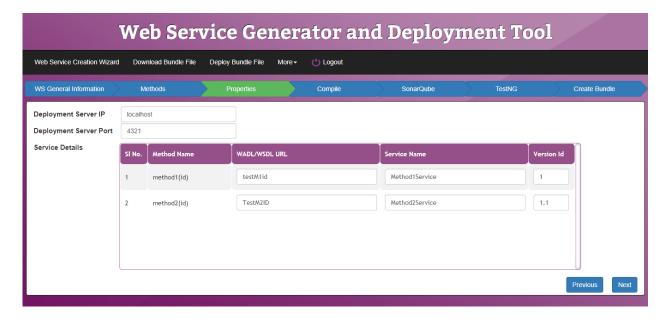


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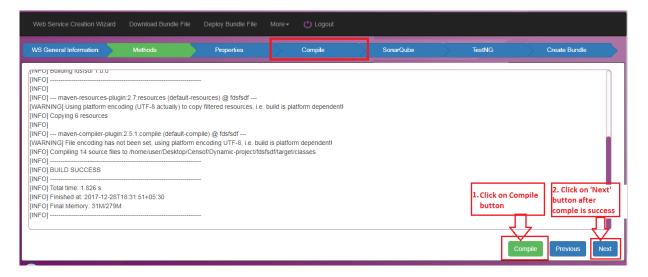


2.2.2.6 Properties page

- User can enter Deployment Server details
- User can enter Service Details in Properties screen shown below.



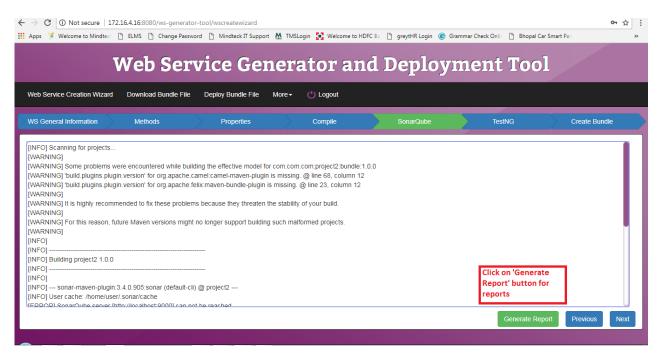
2.2.2.7 Compile page



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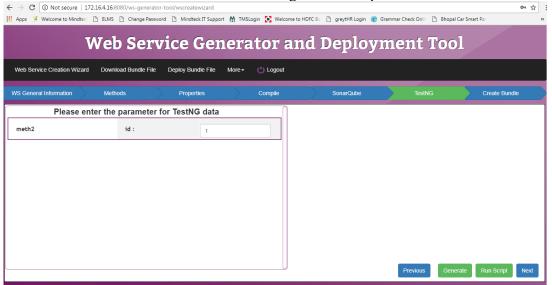
2.2.2.8 SonarQube



2.2.2.9 TestNG Screen

• User can Test the method response using by Generating TestNG scripts

• User can enter method variables and generate script.

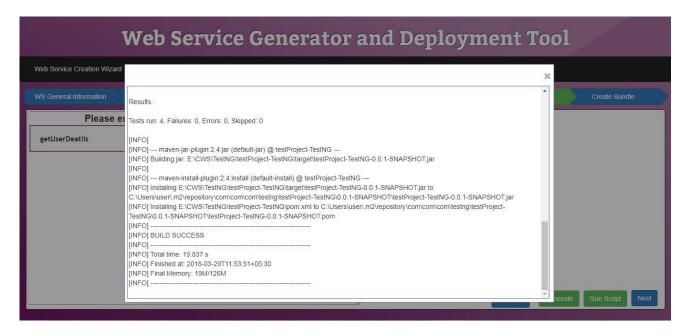


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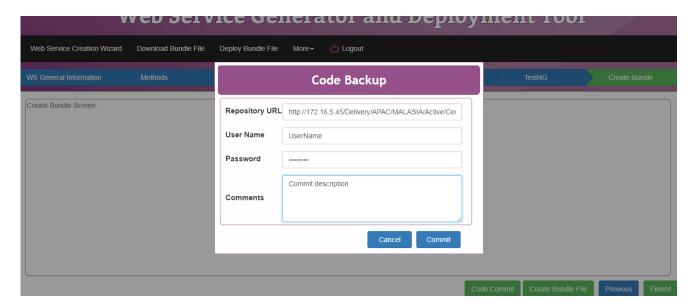
2.2.2.9.1 TestNG result

• User can run the script and see the result in the TestNG report screen shown below



2.2.2.10 Commit create code to Repository

- User can do commit to by using code commit feature.
- User will be allowed to enter Repo URL, User name, Password and Description for commit.

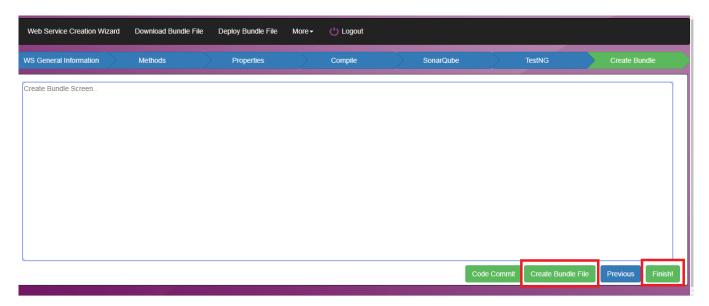


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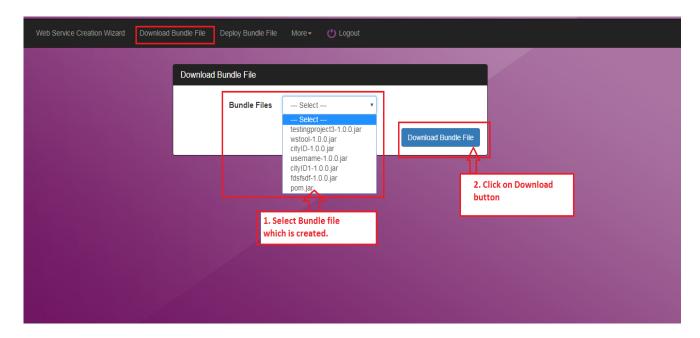
2.2.2.11 Create Bundle page

a. Click on 'Create Bundle file' button if the file is success click on 'Finish' button.



2.2.3 Download Bundle File

Created bundle file should be displayed on Bundle file Dropdown on 'Download bundle file section as shown below.



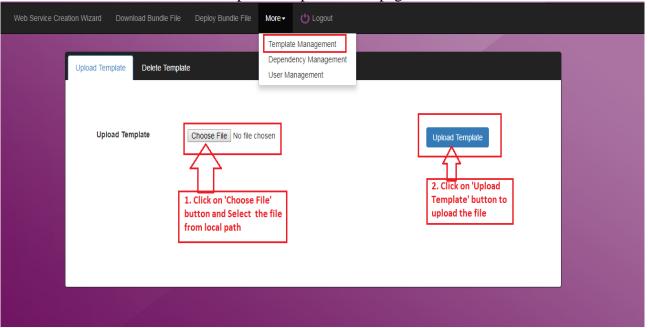
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2.2.4 Template Management

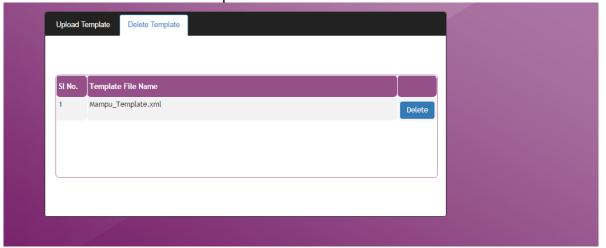
2.2.4.1 Upload Template

• User can upload template on the page



2.2.4.2 Delete Template

• User can delete uploaded template on the page by clicking on delete option



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2.2.5 User Management

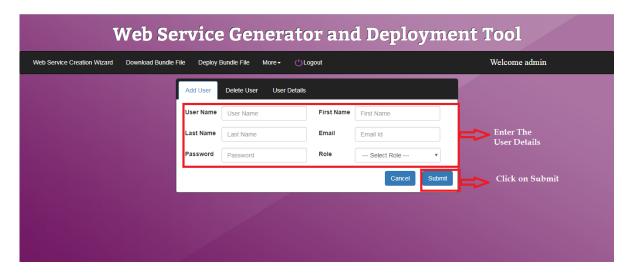
User roles and their responsibilities.

There are two role

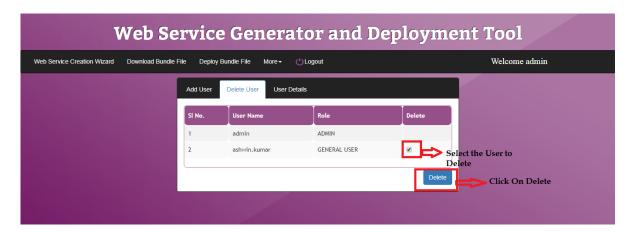
- Admin
 - o Admin user can add new user, delete the existing user and can edit the existing user.
- General User
 - o General User can only view the users who can use the tool.
 - o General User don't have privileges to add, edit and delete the user

2.2.5.1 Add User

User can be added from the user management add user page as shown below.



2.2.5.2 Delete User

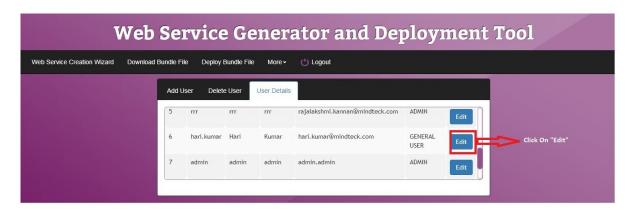


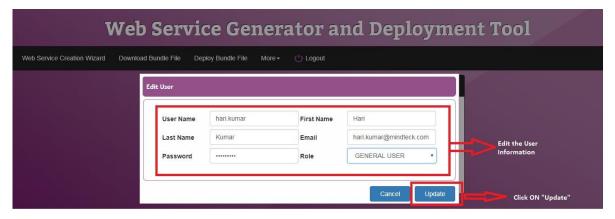
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2.2.5.3 Edit User Details

Admin User can edit the User Information.



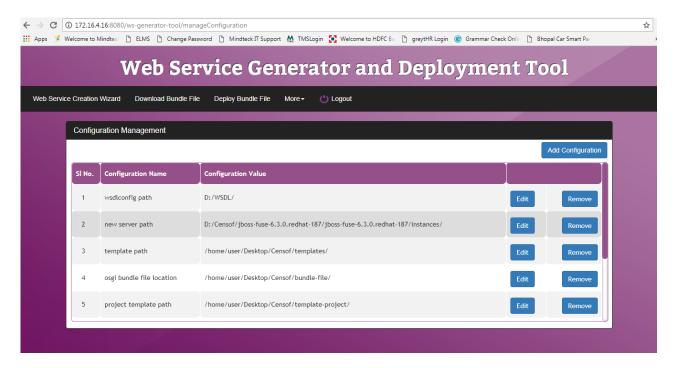


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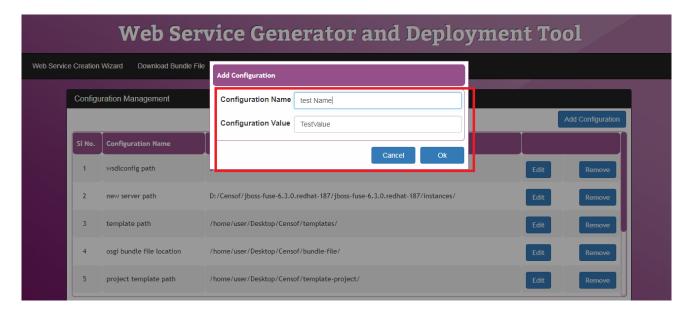
2.2.6 Configuration Management:

- User can add configuration details in Configuration management page.



2.2.6.2 Add Configuration details

• User can be able to add configuration details in the configuration management.

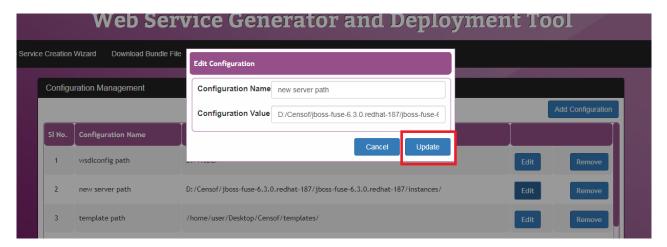


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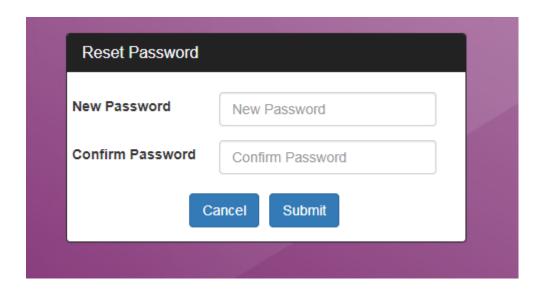
2.2.6.3 Update Configuration details:

• User can edit the and update the existing Configuration details.



2.2.7 Change Password

• Users can change the Password using the feature Change Password under More options shown below.

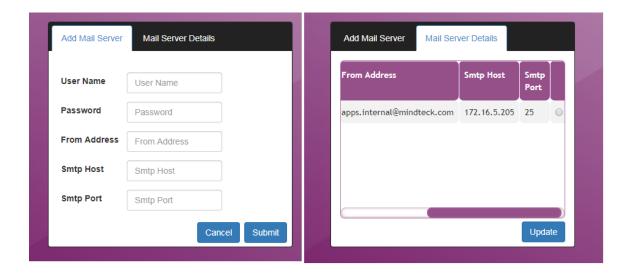


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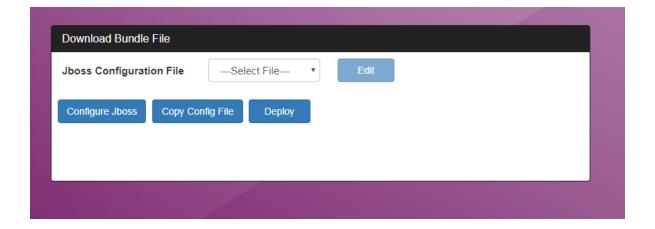
2.2.8 Mail Server

• User can add multiple mail servers using the mail server feature and activate which one is required in Mail server Details screen



2.2.9 Deploy Bundle file

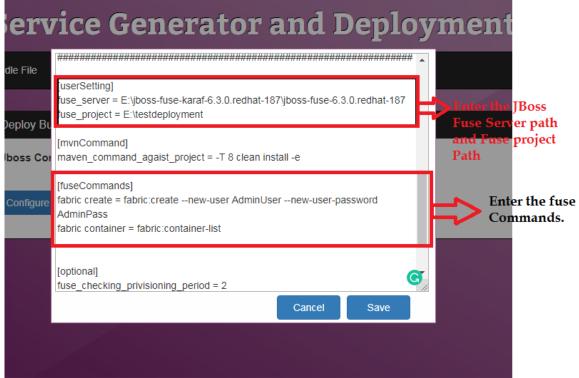
- User can deploy the created bundle file using following screen
- User can edit the Jboss Configuration file by clicking on edit button
- By Clicking on Configure Jboss, the Server will get configured in backend.



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• JBoss Fuse Configuration file



Fuse Commands

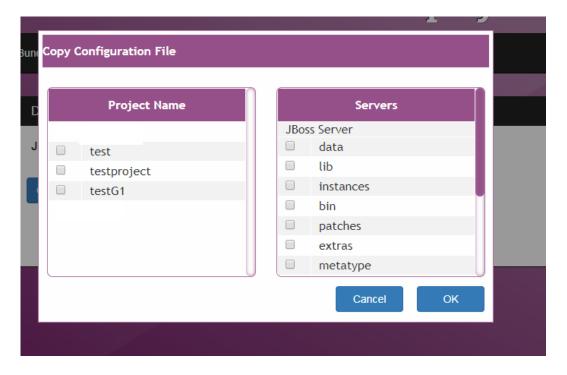
- o fabric create = fabric:create --new-user << User Name>> --new-userpassword << Password>>
- o container create = fabric:container-create-child root <<Instance Name>>
- container list = fabric:container-list
- fabric profile = fabric:profile-create --parent jboss-fuse-minimal <<Profile Name>>
- fabric container = fabric:container-add-profile <<Instance Name>> <<Profile Name>>
- o profile edit = profile-edit --feature camel-bean-validator mindteck
- Add repositories = fabric:profile-edit --repositories mvn:com.test.ws/testdeployment/1.0.0/xml/features mindteck
- o profile feature = profile-edit --feature testdeployment/1.0.0 mindteck
- profile feature = profile-edit --feature testdeployment-dependencies/1.0.0 mindteck

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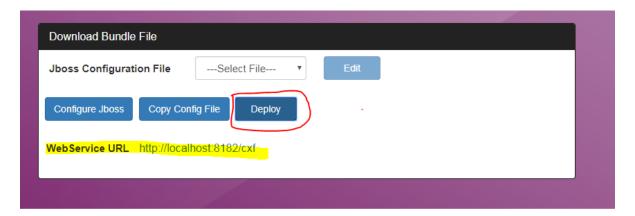
2.2.9.1 Copy Configuration Files

- After clicking on Copy Config File button user can see the project files and Server folders
- User can Select particulate file and copy in to the server by clicking on Copy button.



2.2.9.2 Deploy Bundle file

 After clicking on Deploy button Deployment process will happened in Backend and URL will be displayed on the screen



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