



RESTful Web Services

Using Jersey (JAX-RS) API for RESTful Web Services



CRUD Operations

- Create
- Retrieve
- Update
- Delete



HTTP Method	Operations
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GET	Get a resource
POST	Create a resource and other operations
PUT	Create or update a resource
DELETE	Delete a resource
PATCH	Update a resource



Netbeans 8.1

Login into the Scientific Linux with your encs accounts.

Either look for Netbeans 8.1 in applications menu or simply run the following command in the terminal.

- `/encs/pkg/netbeans-8.1/root/bin/netbeans --userdir PATH &`

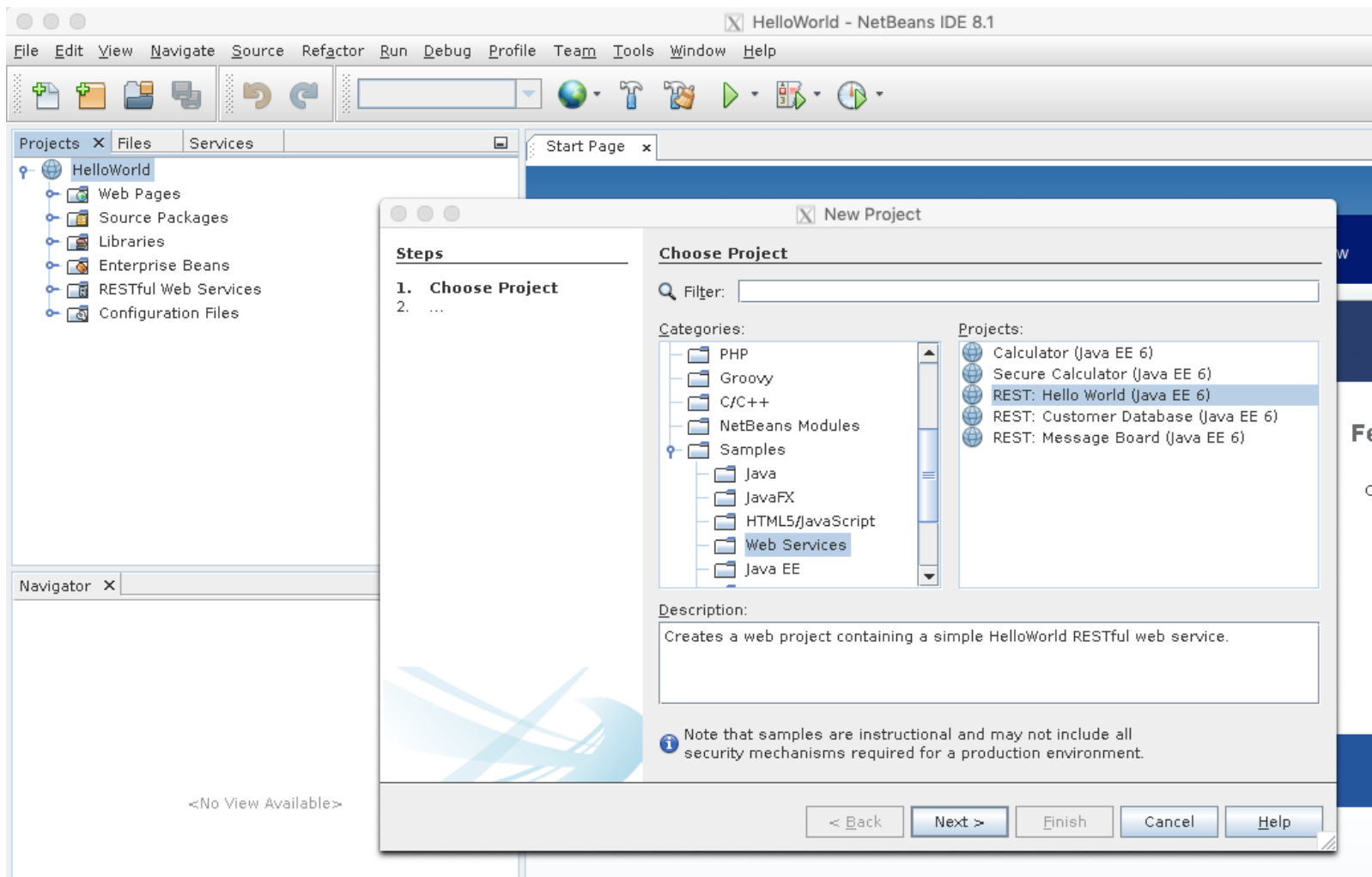


Netbeans Sample Applications

Netbeans provides several sample applications under several categories and one of them is Web Services.

To use one, simply go to:

- File>New Project>Categories>Web Services> REST HelloWorld





Build, deploy and run

Once the sample project is opened you can simply build, select Test REST service, deploy and run it and it will be available at localhost.



Important Commands

```
lsof -Pnl +M -i6 | grep java
```

```
lsof -Pnl +M -i6 | grep PORT
```

```
kill -9 PROCESS
```




CustomerDB

Create a New Web Service Application and right click and under new select **RESTful Service from Database**.

Choose jdbc/sample and add all.

Build, deploy and run.



Curl/Postman

```
curl -v http://localhost:PORT
```

Postman Application to test REST Web Service