

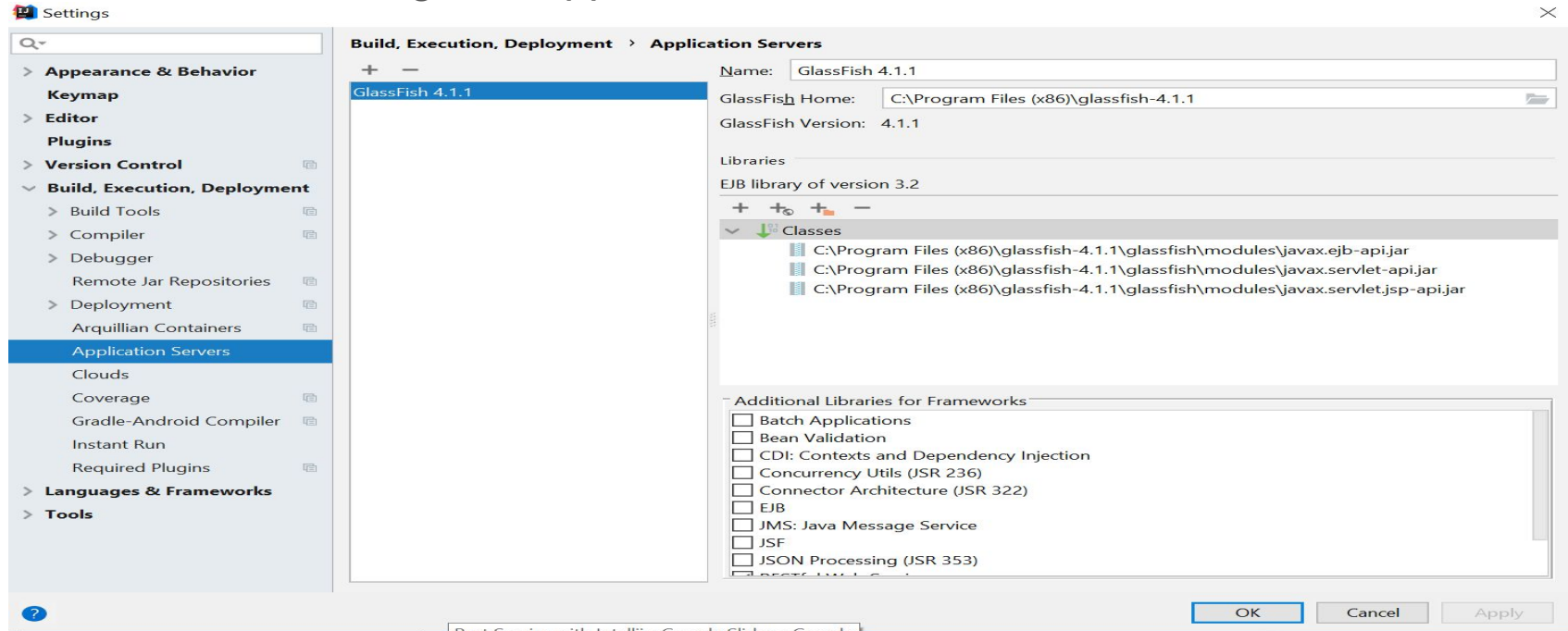
Rest Service with IntelliJ

Overview

- Download IntelliJ and run as Administrator
- Setup Server
- Create Project
- Create Artifact
- Check Artifact to server
- Add Java Code
- Compile

Add Server

Download Glass Fish Server if your IntelliJ is not providing one
Go to File → Settings -> Application server.



Create Project

Go to File - > Project -> Java EE.

Select RestFul WebService and Web Application

Choose Glassfish server

Download any libraries if it is suggesting

- Java
- Java Enterprise**
- JBoss
- J2ME
- Clouds
- Spring
- Java FX
- Android
- IntelliJ Platform Plugin
- Spring Initializr
- Maven
- Gradle
- Groovy
- Griffon
- Grails
- Application Forge
- Static Web
- Flash
- Kotlin
- Empty Project

Project SDK: 1.8 (java version "1.8.0_151") New...

Java EE version: Java EE 8

Application Server: GlassFish 4.1.1 New...

Additional Libraries and Frameworks:

- Javaee Security
- JMS: Java Message Service
- JSON Binding
- JSON Processing (JSR 353)
- Kotlin/JVM
- OSGi
- RESTful Web Service**
- SQL Support
- Tapestry
- Transaction API (JSR 907)
- WebServices Client

Use library: [No library selected] Create...

Use library from 'GlassFish 4.1.1' installation

Library from 'GlassFish 4.1.1' installation will be used

- Java
- Java Enterprise**
- JBoss
- J2ME
- Clouds
- Spring
- Java FX
- Android
- IntelliJ Platform Plugin

Spring Initializr

Maven

Gradle

Groovy

Griffon

Grails

Application Forge

Static Web

Flash

Kotlin

Empty Project

Project SDK: 1.8 (java version "1.8.0_151")

New...

Java EE version: Java EE 8

Application Server: GlassFish 4.1.1

New...

Additional Libraries and Frameworks:

- Spring 3 integration
- Spring 4 integration
- Spring Security 3 integration
- Spring Security 4 integration
- thymeleaf-testing
- Tiles 2 integration
- Web Application (4.0)
- JSF
 - Icefaces
 - Openfaces
 - Primefaces

 Use library:

[No library selected]

Create...

 Use library from 'GlassFish 4.1.1' installation

Library from 'GlassFish 4.1.1' installation will be used

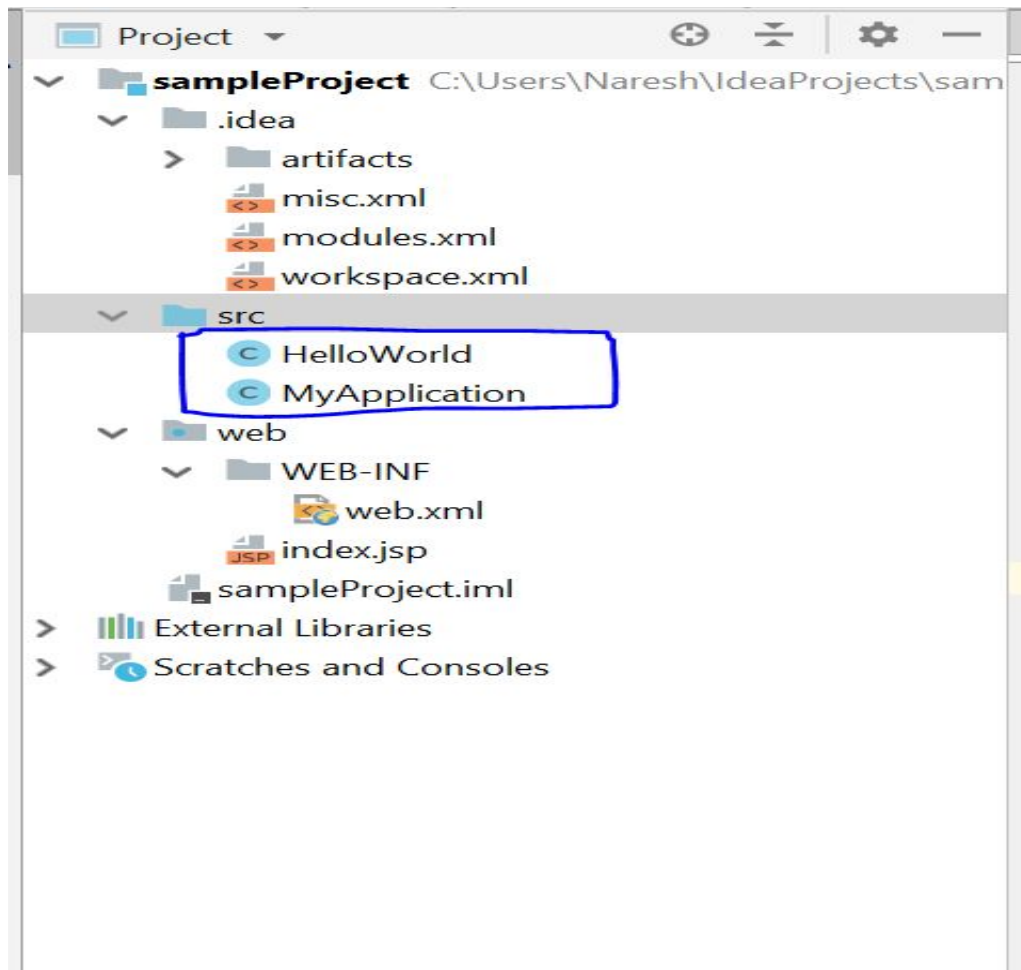
Previous

Next

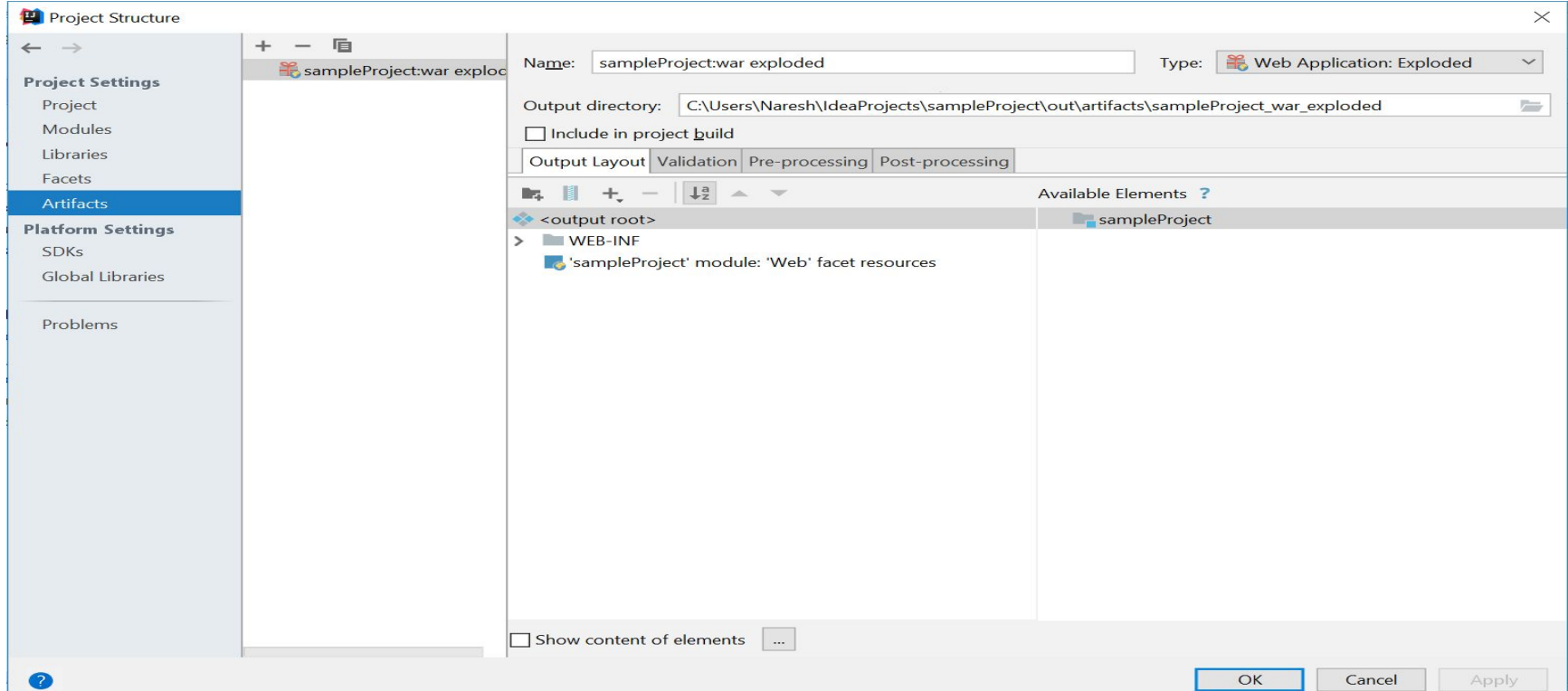
Cancel

Help

- Click next and give a Project Name
- Make sure that your project structure is looks same as in the next slide. Create the files in src folder



Create Artifact (ctrl+ shift+ alt+ S)



Add the following helloworld Code in src

```
MyApplication.java x HelloWorld.java x
1  import javax.ws.rs.GET;
2  import javax.ws.rs.Path;
3  import javax.ws.rs.Produces;
4
5  // The Java class will be hosted at the URI path "/helloworld"
6  @Path("/helloworld")
7  public class HelloWorld {
8      // The Java method will process HTTP GET requests
9      @GET
10     // The Java method will produce content identified by the MIME Media type "text/plain"
11     @Produces("text/plain")
12     public String getClichedMessage() {
13         // Return some cliched textual content
14         return "Hello World";
15     }
16 }
17
```

Add the following MyApplication Code in src

```
MyApplication.java x HelloWorld.java x
1  import javax.ws.rs.ApplicationPath;
2  import javax.ws.rs.core.Application;
3  import java.util.HashSet;
4  import java.util.Set;
5
6  //Defines the base URI for all resource URIs.
7  @ApplicationPath("/")
8  //The java class declares root resource and provider classes
9  public class MyApplication extends Application{
10     //The method returns a non-empty collection with classes, that must be ir
11     @Override
12     public Set<Class<?>> getClasses() {
13         HashSet h = new HashSet<Class<?>>();
14         h.add( HelloWorld.class );
15         return h;
16     }
17 }
18
```

Server Configuration

- Go to Edit Configuration in GlassFish 4.1.1 Drop down(at the top)
- Make sure that the URL contains the correct war name provided in the previous step
- Add the end point mentioned in helloworld.java

Name: Share

Server Deployment Logs Code Coverage Startup/Connection

Application server:

Open browser

After launch with JavaScript debugger

URL:

VM options:

On 'Update' action: Show dialog

On frame deactivation:

JRE:

GlassFish Server Settings

Server Domain:

Username:

Password:

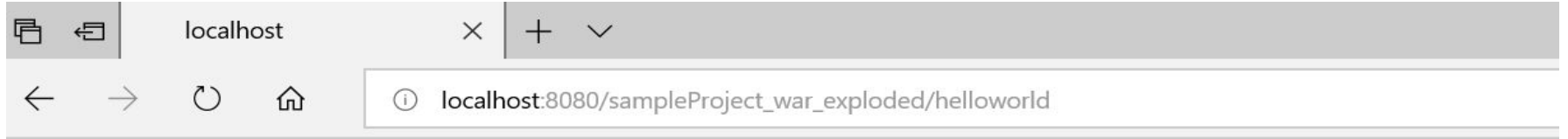
Preserve Sessions Across Redeployment

Java EE 5 compatibility

Before launch: Build, Build Artifacts, Activate tool window

Warning: Debug settings are invalid or not suitable for local debugging

Start the server



Hello World