How to Clone the Source Code from Mercurial Repository using NetBeans and Prepare a Project.

NetBeans version: 6.9

Step 1: Decide your location where you want to store the directory files.

Step 2: Launch or Activate NetBeans.

Step 3: Click on Team on the menubar, then choose Clone Other...

Step 4: Enter "https://bitbucket.org/ikevinjpdev/ionosphere" into the Repository URL, followed by your username and password. Click Next.

Step 5: The Default Pull Path and Default Push Path are automatically entered. Confirm they are the same as shown in the picture. Click Next.

Step 6: Click the Browse button and set the location to store directory files which you have decided. Check that the Clone Name is "Ionosphere" - note capitalization is correctly set! Also make sure that "Scan for NetBeans Projects after Clone" is checked. Then, click Finish. *It will start pulling the source code from the Mercurial repository. If you have incorrectly entered your username or password, or have a firewall blocking your network connection, please resolve these problems in order to complete this step.*

Step 7: After the cloning of source code from the Mercurial repository is completed, NetBeans will ask you if you want to create a project. Click Create Project.

Step 8: Choose Java Web, then Web Application with Existing Sources. Click Next.

Step 9: (attention is required on this Step!)

Location: Click on the Browse button to choose the "src" directory of the downloaded files. Confirm that the path in the Location ends with "src".

Project Name: Enter "Ionosphere". Check capitalization is correct.

Project Folder: Make sure that the ending directory is the same as the Project Name, "Ionosphere". Make sure that it does NOT end with "src".

Click Next.

Step 10: Make sure that GlassFish Server v3 and Java EE 6 Web are correctly selected. Make sure the Context Path is "/Ionosphere". *Note: the actual name for GlassFish Server v3 may be different depending on your installation. If GlassFish Server v3 does not appear, you may need download it and correctly set it up first. Please refer to the GlassFish website [https://glassfish.dev.java.net/] for additional information.*

Step 11:

Web Pages Folder: Click on the Browse button to choose the "web" directory within the downloaded source code files. Confirm that it ends with "Ionosphere/web".

WEB-INF Content: Click on the Browse button to choose the "WEB-INF" directory, which is inside the "web" directory. Confirm that it ends with "Ionosphere/web/WEB-INF".

Libraries Folder: Leave this empty.

Sources Packages Folder: Confirm that it ends with "Ionosphere/src/java".

Test Packages Folder: Leave this empty.

Click Finish. NetBeans will create the Project. This may take many seconds depending on your computer speed.

Step 12: After NetBeans has created the Project, it will scan the files and prompt you about registering the REST resources. Choose the default, "NetBeans will generate a subclass of javax.ws.rs.core.Application, all REST resources will be registered by this class automatically (Java EE 6)." Click OK.

Step 13: Right-click on the Project (the name of the Project, "Ionosphere" usually on the left-side pane of the NetBeans editor window), then choose "Properties" at the bottom of the popped-up menu. Confirm that the Source/Binary format is "JDK 6", and the Encoding is "UTF-8".

Step 14: Click on Run. It is recommended that you uncheck both the "Display Browser on Run" and "Deploy on Save".