

Install Payara in Eclipse

While Payara isn't required for this course—you can use any application server or container you're comfortable with—you can add Payara to your Eclipse installation with the following steps:

1. **Install Payara Tools from the Eclipse Marketplace.**
 - a. Navigate in Eclipse: **Help > Eclipse Marketplace.**
 - b. In the Marketplace window, type **Payara** in the **Find** box, under the **Search** tab.
 - c. You should see the Payara Tools plugin in the results. Click the **Install** button and follow the instructions to completion.
2. **Download Payara from the Payara [download page](#).**
3. **Add Payara to your Eclipse installation.**
 - a. Go to **Window > Show View > Servers.**
 - b. In the **Servers** pane, right-click and select **New > Server.**
 - c. In the **New Server** dialog box, look for Payara in the list of supported servers and select it. Selecting it will prefill a number of default settings like the port and server name. Click **Next.**
 - d. In the following dialog box, click the **Browse** button to navigate to the location on your file system where your Payara download is unpacked. You need to navigate to the domain folder inside that package: **<PAYARA_HOME>/glassfish/domains/domain1.**
 - e. Click the Finish button to complete the setup.

When starting the server, watch out for an error that might indicate that the default Payara port (8080) is already bound to another process. You will need to terminate the process that's bound to that port so that the Payara process can start successfully.

Add the Jersey archetype repository Eclipse.

To start your sample Java EE web service project with the right archetype, you will need to add the Jersey archetype repository to your Eclipse installation.

1. Go to **Window > Preferences.**
2. In the search box to the left of the Preferences dialog box, type **archetypes.**
3. In the **Archetypes** dialog box, click **Add Remote Catalog.**
4. In the **Add Dialog** box, enter <https://maven.java.net/content/repositories/snapshots/> in the **Catalog File** dialog box. You can give it any descriptive name of your choice in the **Description** box.
5. Click **OK** and you're all set. This new archetype repository will make a number of new archetypes available when you're starting a new project.