

Install Java EE 6 SDK Software and Configure GlassFish v3 Server

First let's install Java EE 6 SDK and GlassFish v3 Server.

Go to the site <http://java.sun.com/javaee/downloads/> to open the GlassFish and Java EE 6 page. Select Windows and English from the Platform and Language combo box, and click on the Download button under the Java EE 6 SDK column to begin this downloading process, as shown in Figure I.1

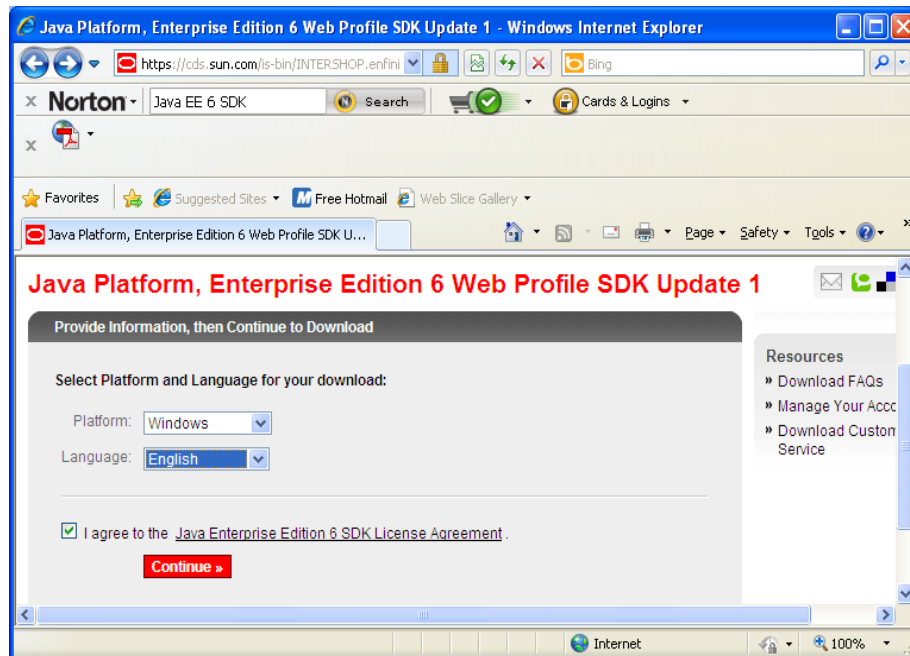


Figure I.1 The opened Java EE 6 SDK download page.

On the opened Download dialog, click on the Continue to Download button to skip this registration step. Click on the Save button to temporarily save this software to the Temp folder under the root (C: /) driver in your computer.

When the download is done, you can click on the Run button to install it to your computer. Follow the installation instructions to complete this process.

During the installation of the SDK, pay special attention to the following steps:

1. Configure the Enterprise Server administration Username as the default setting (**admin**). You can select and enter any password as you like (**reback** is used in our application).
2. Accept the default port values for the Admin Port (**4848**) and the HTTP Port (**8080**), unless the Port has been occupied. In that case, change the Port number to enable system to use other Port. In our application, change the HTTP Port to **8082**

since the Port **8080** has been used by some other devices. The Administration Settings wizard is shown in Figure I.2.

Java EE 6 SDK Web Profile

Administration Settings

Welcome
Installation Directory
Administration Settings
Update Configuration
JDK Selection
Ready To Install
Progress
Product Registration
Summary

Configure the administration settings for the server. Please provide username and password for the server. You may leave the password field empty if you would like to configure the server for unauthenticated logins.

Admin Port 4848
Http Port 8082
Username admin
Password *****

reback

Cancel Back Next

Figure I.2 The modified settings for the GlassFish v3 Server.

3. Click on the **Next** button to continue.
4. Allow the installer to download and configure the Update Tool. If you access the Internet through a firewall, provide the proxy host and port. For our application, leave all default setting on this page unchanged since we do not want to update this software automatically, and click on the **Next** button to continue.
5. In the JDK Selection wizard, use the default selection, **jdk1.0.6.0_21** we installed before, as shown in Figure I.3. Click on the **Next** button to go to the next wizard.
6. Click on the **Install** button to begin this installation process, as shown in Figure I.4.
7. In the Product Registration wizard, click on the **Skip the Registration** radio button to skip this step if you do not want to register your installation. Click on the **Next** button to continue this installation.
8. When the installation is complete, a summary is provided for this installation, as shown in Figure I.5. Click on the **Exit** button to complete this installation process.

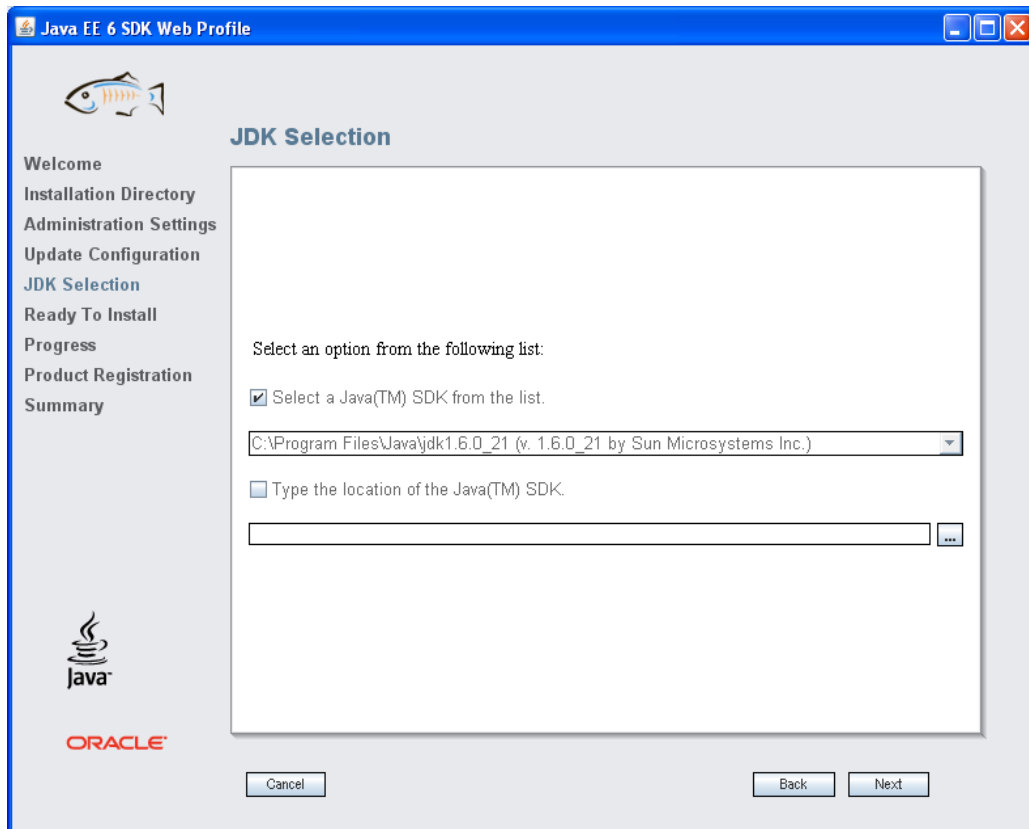


Figure I.3 The JDK Selection wizard.

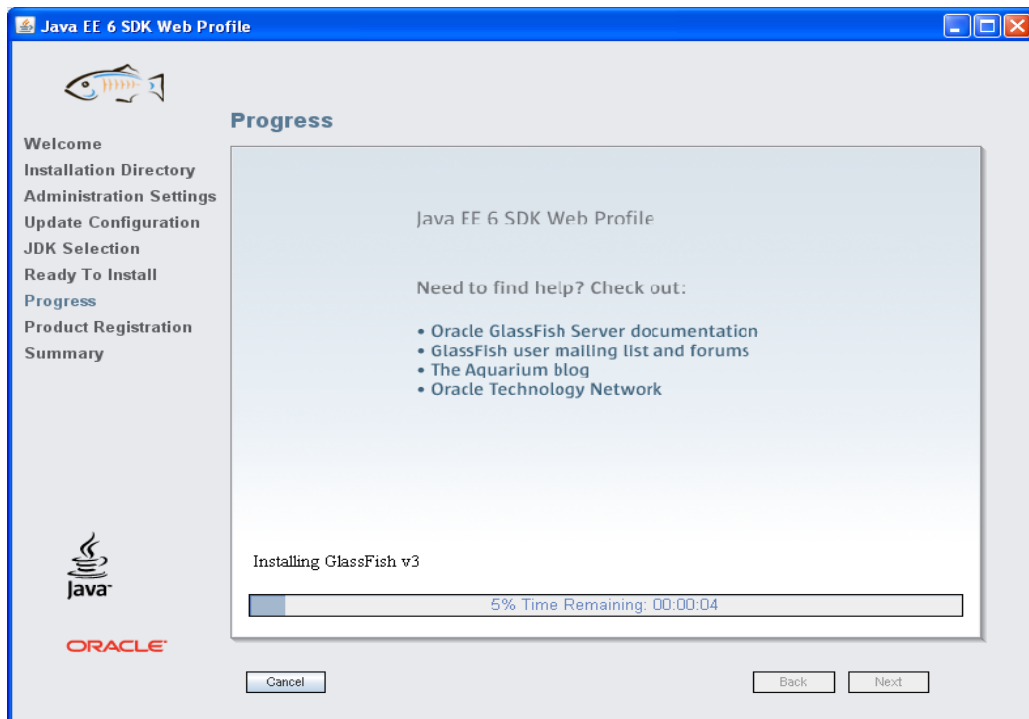


Figure I.4 The installation process.

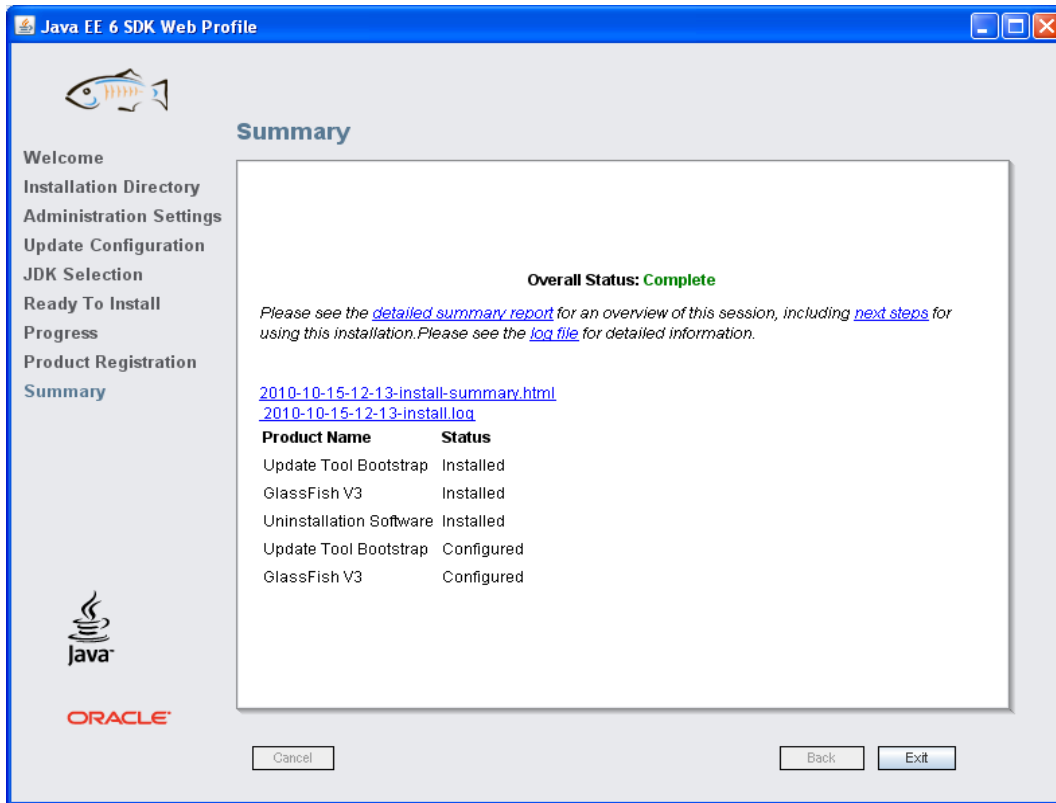


Figure I.5 The installation summary wizard.

Next let's configure the GlassFish v3 server by modifying its HTTP Port.

In most cases, the default HTTP Port used by GlassFish v3 server is 8080. However, this port may be occupied by other devices in most computers. In order to enable the GlassFish v3 server to work properly in your machine, we need to modify this HTTP Port number manually.

Perform the following operations to do this modification:

1. Go to the location where the GlassFish v3 server is installed on your machine, which is **C:\glassfishv3**.
2. Then go to the location where the GlassFish v3 server domain configuration file **domain.xml** is located, which is **glassfish\domains\domain1\config**.
3. Right click on the domain configuration file **domain.xml** and select the **Edit** item from the popup menu to open this file in the editable version.
4. Scroll down this file to the bottom until you find the port definition part, which is shown in Figure I.6. Change the following port from "**8080**"

```
<network-listener name="http-listener-1" port="8080" .....
```

To "**8082**", as shown in Figure I.6.

5. Click on the **File > Save** item to save this modification.
6. Close this editable version of this file.



```
<?xml version="1.0" encoding="UTF-8"?>
<domain name="domain1" xmlns="urn:jboss:domain:1.2">
  <security>
    <authentication>
      <login-config>
        <login>
          <login-module name="org.jboss.security.auth.login.LoginModule" flag="required"/>
        </login>
      </login-config>
    </authentication>
  </security>
  <protocols>
    <protocol name="admin-listener">
      <http default-virtual-server="__asadmin" max-connections="250" server-name="">
        <file-cache enabled="false"/>
      </http>
    </protocol>
  </protocols>
  <network-listeners>
    <network-listener name="http-listener-1" port="8082" protocol="http-listener-1" th
    <network-listener name="http-listener-2" port="8181" protocol="http-listener-2" th
    <network-listener name="admin-listener" port="4848" protocol="admin-listener" thre
  </network-listeners>
  <transports>
    <transport name="tcp"/>
  </transports>
  </network-config>
  <thread-pools>
    <thread-pool max-queue-size="4096" name="http-thread-pool"/>
    <thread-pool max-queue-size="200" name="thread-pool-1"/>
  </thread-pools>
</domain>
```

Figure I.6 The modified HTTP port number.