

# CURSO SERVLETS Y JSP

## INSTALLING GLASSFISH



By the expert: Ubaldo Acosta

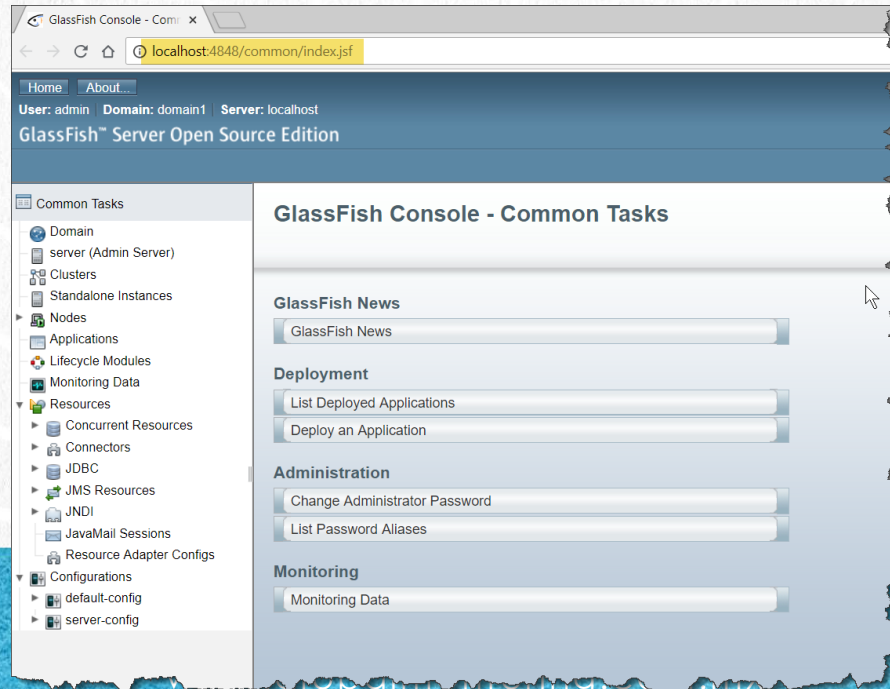


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# EXERCISE OBJECTIVE

Install Glassfish and associate it with Netbeans. At the end we should observe the following:





# PASO 1. DESCARGA DE GLASSFISH

Descargamos GlassFish:

<http://icursos.net/en/software/glassfish/glassfish.zip>



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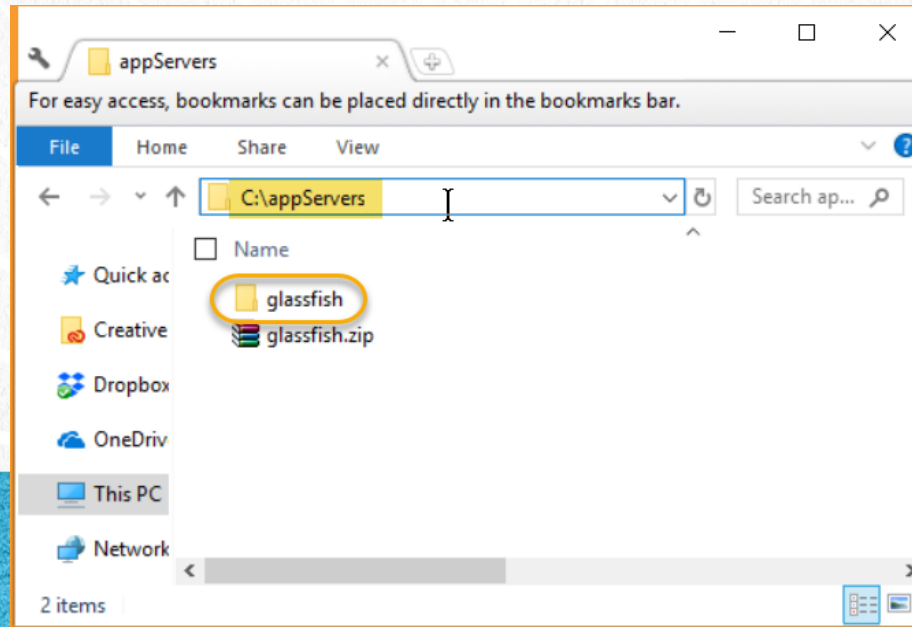
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## 2. INSTALL GLASSFISH

We copy the downloaded file glassfish.zip to a new folder, as it can be:

C:\appServers

Paste and unzip the Glassfish folder in the indicated folder:

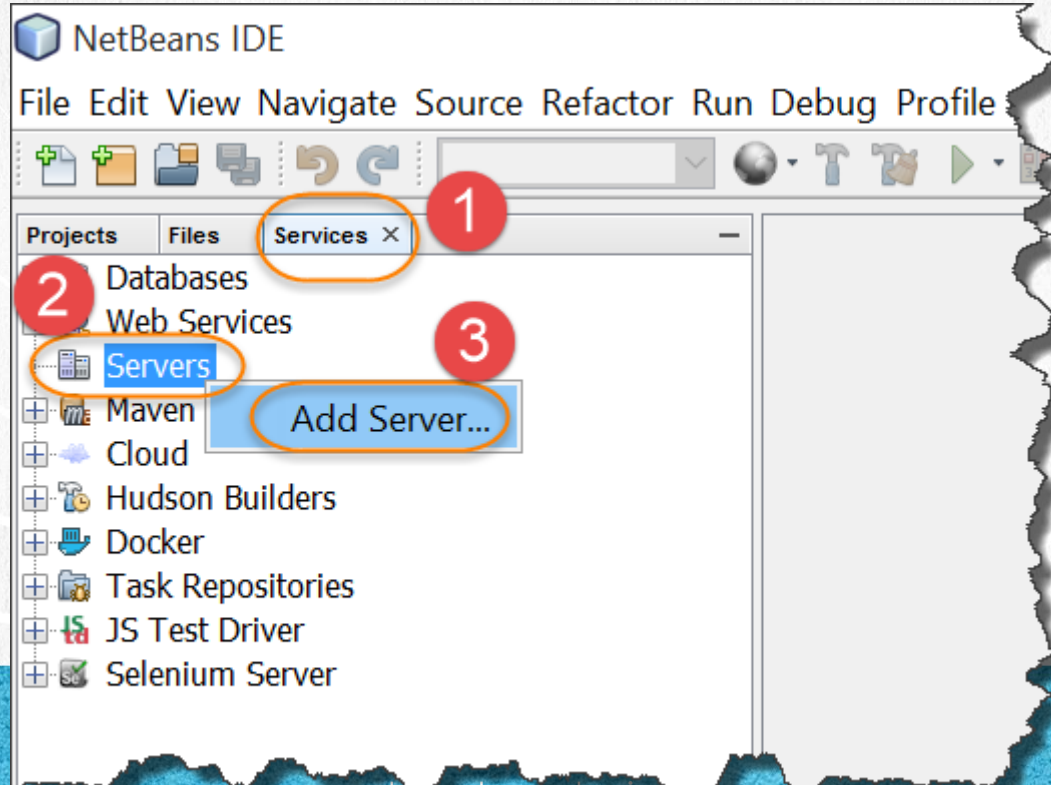




### 3. ADD GLASSFISH SERVER TO NETBEANS

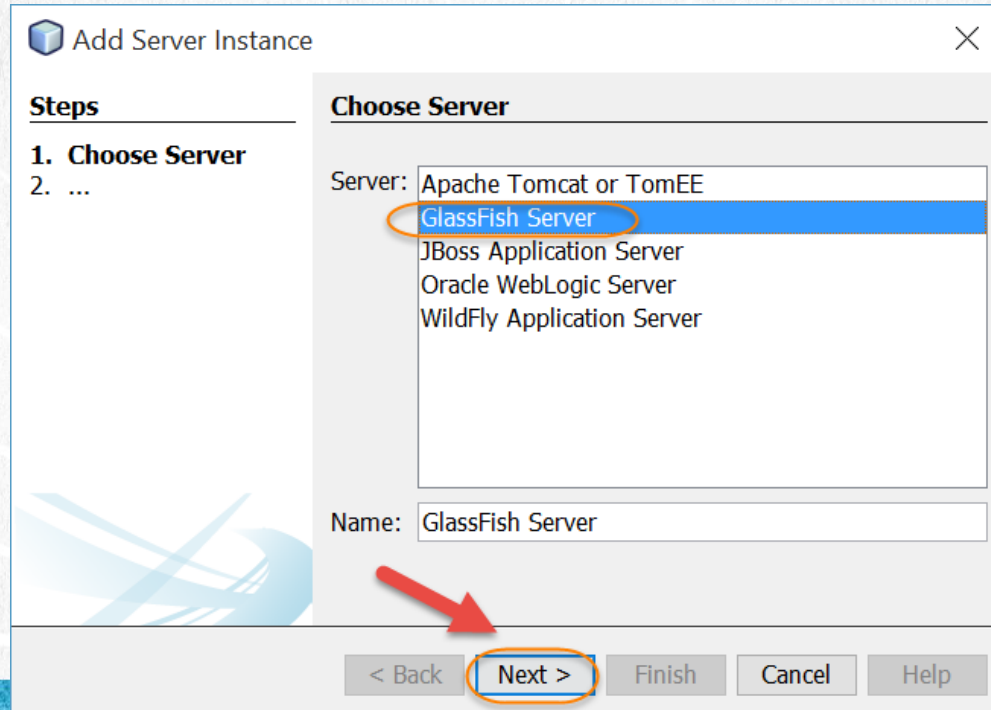
Open netbeans and add the Glassfish server as follows.

Select: Services -> Servers -> Add Server:



### 3. ADD GLASSFISH SERVER TO NETBEANS

Open netbeans and add the Glassfish server as follows :

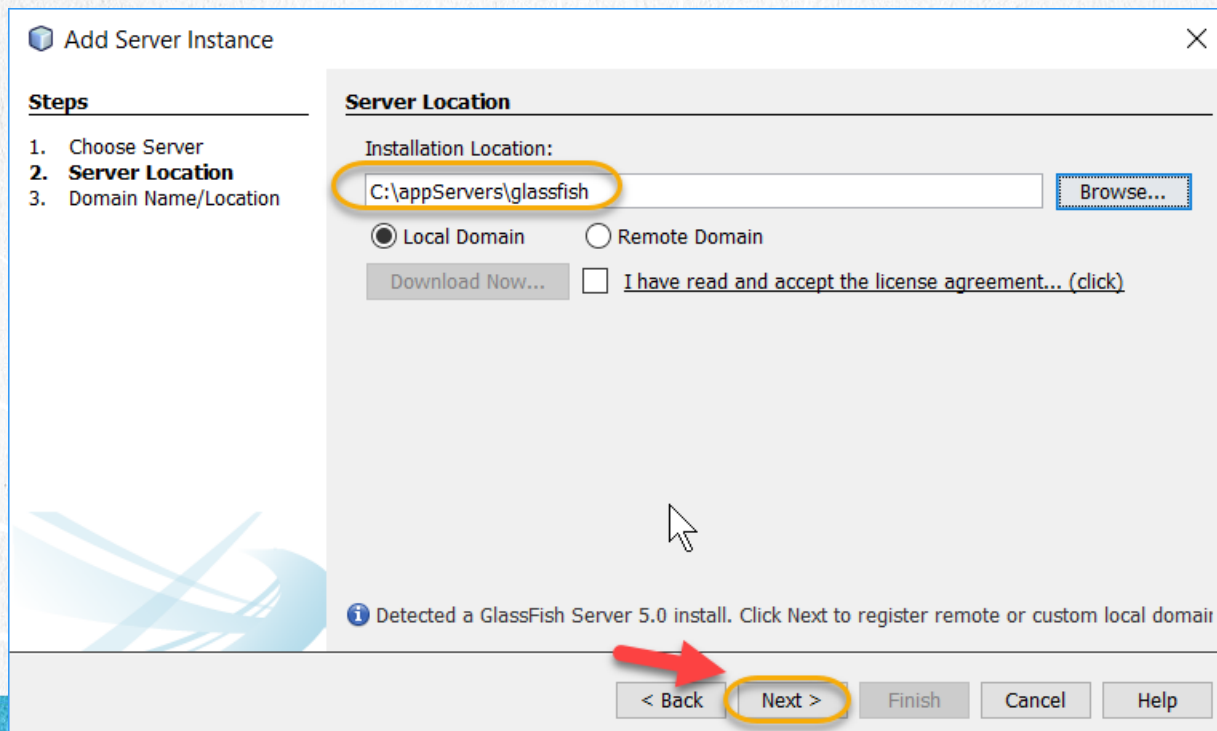


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### 3. ADD GLASSFISH SERVER TO NETBEANS

We provide the route where glassfish has been installed, as shown:



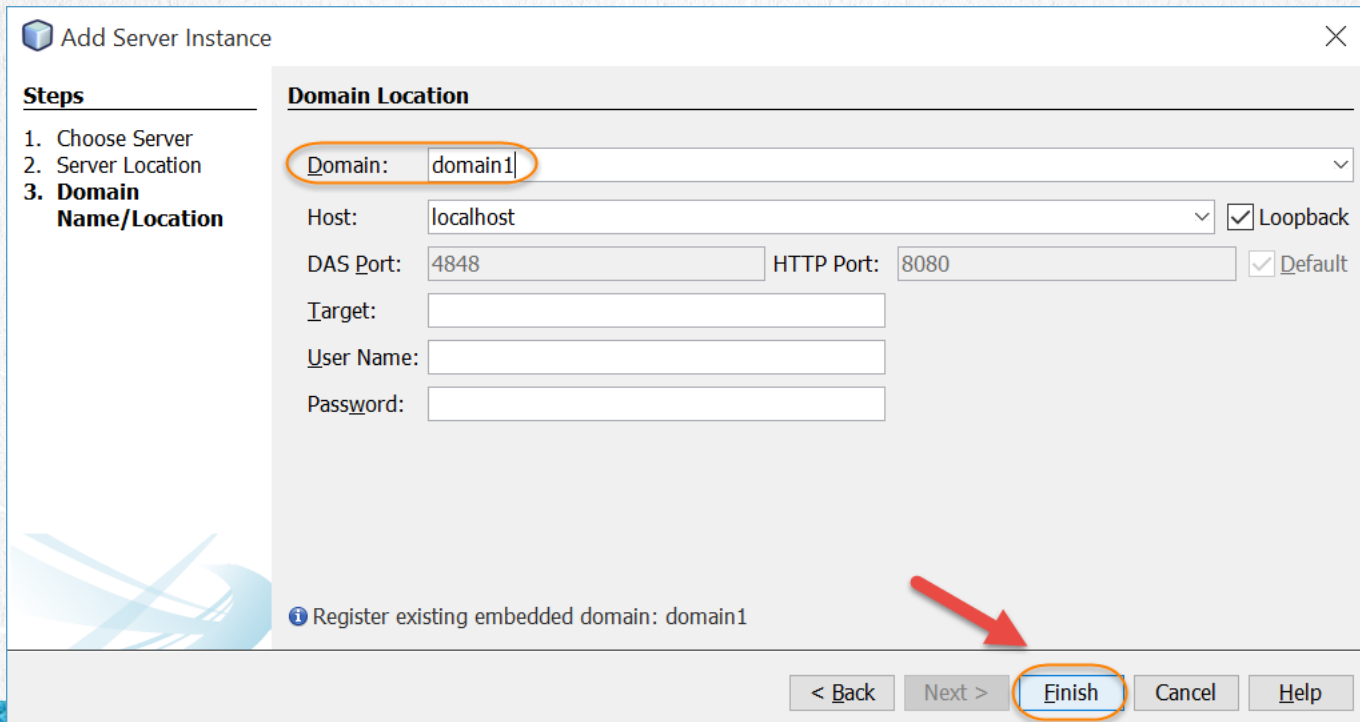
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### 3. ADD GLASSFISH SERVER TO NETBEANS

Leave the default values as show:



**Add Server Instance**

**Steps**

1. Choose Server
2. Server Location
3. **Domain Name/Location**

**Domain Location**

Domain: domain1


Host: localhost ☒ Loopback

DAS Port: 4848 HTTP Port: 8080 ☒ Default

Target:

User Name:

Password:

 Register existing embedded domain: domain1

< Back Next > **Finish** Cancel Help

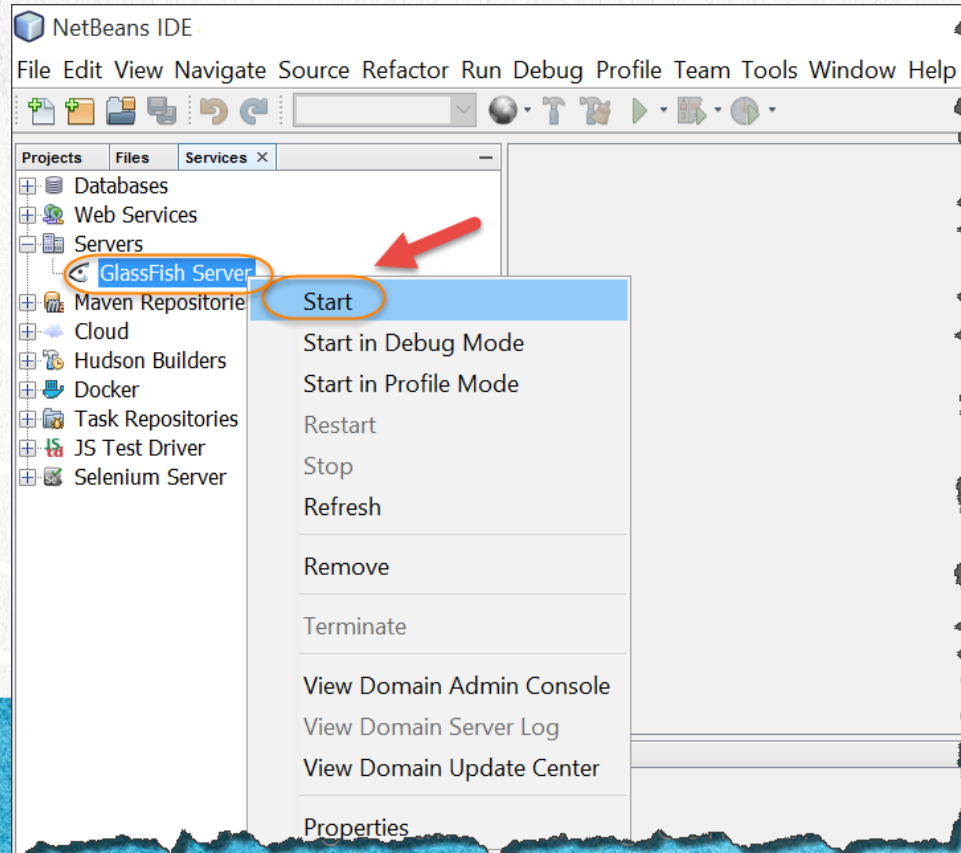
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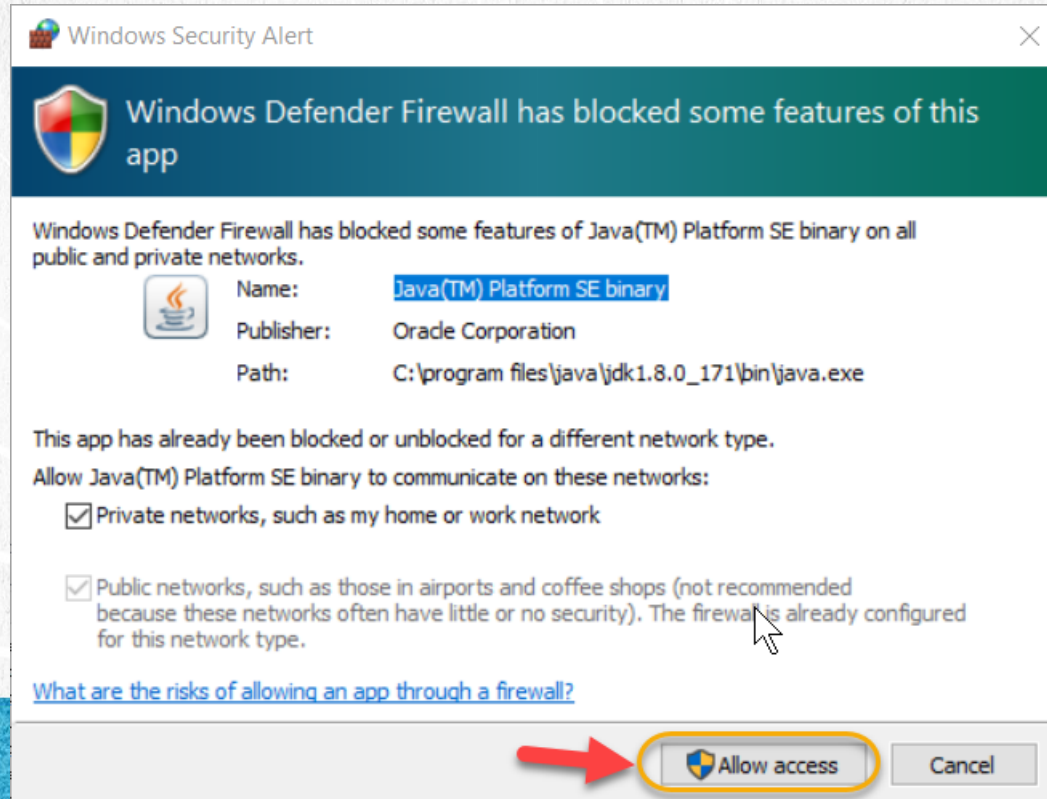
## 4. CHECK GLASSFISH INSTALLATION

On Netbeans, go to Services -> Servers -> GlassFish Server -> Start:



## 4. CHECK GLASSFISH INSTALLATION

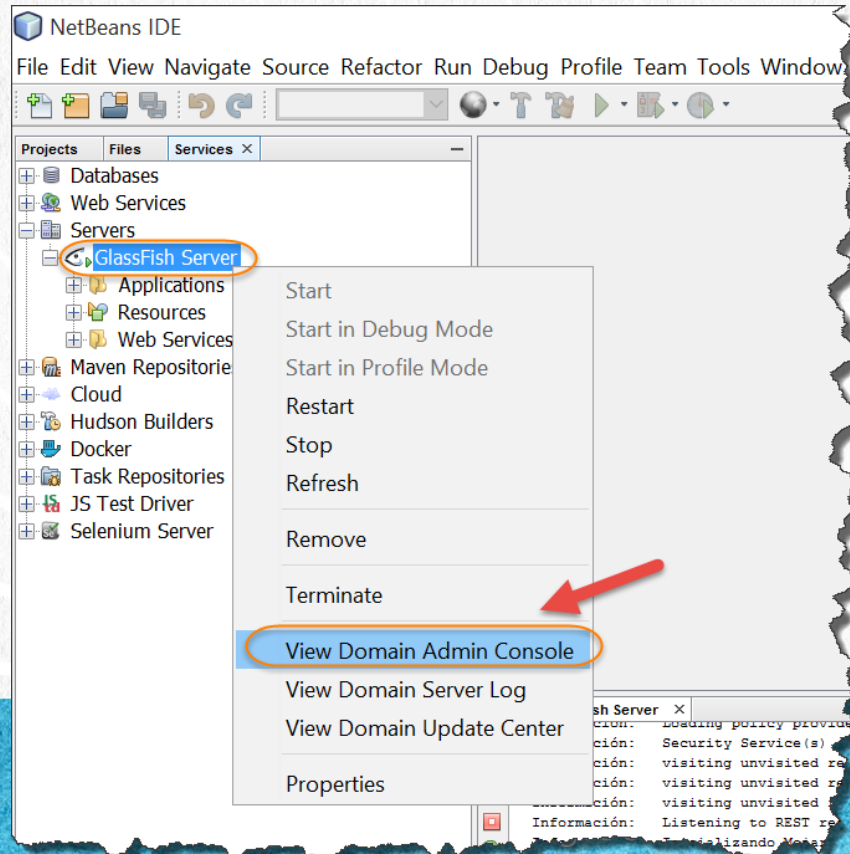
If we see "Allow Access" to execute the java.exe command, we accept to be able to initialize Glassfish:





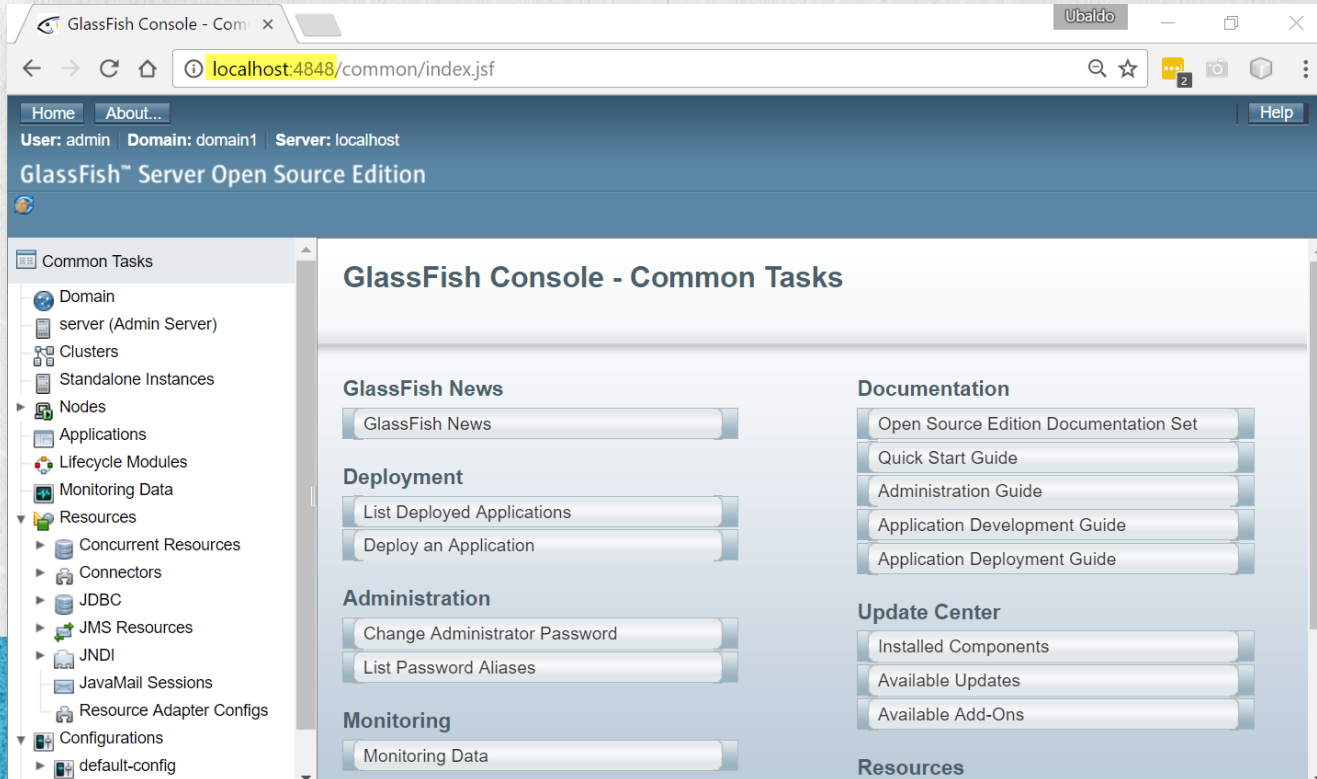
# 5. ENTER TO GLASSFISH CONSOLE

We open the Glassfish administration console as follows :



# 5. ENTER TO GLASSFISH CONSOLE

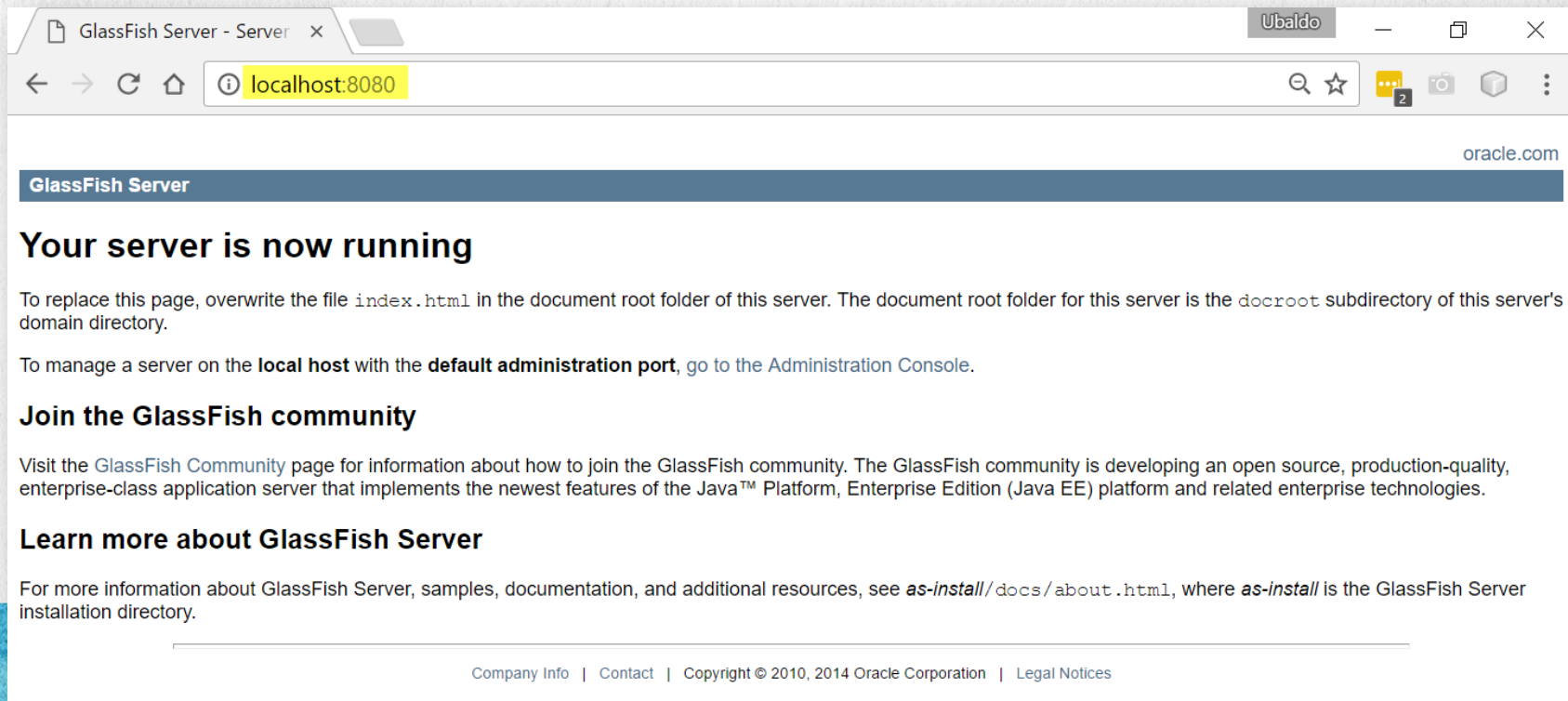
The Glassfish administration console should be displayed. In case the console does not open, open a web browser and type: <http://localhost:4848>





## 6. GLASSFISH SERVER RUNNING

We enter the Glassfish server to see if it is running correctly. We open a browser and type: <http://localhost:8080>



## 7. CHANGE OF GLASSFISH PORT (OPTIONAL)


Sometimes the server can not be raised since other applications may be using port 8080, if this is the case, the ports of Glassfish can be changed as follows:

Depending on the path and installed version, look something similar to the following:

C:\appServers\glassfish\glassfish\domains\domain1\config

Open the file and look for the entry: <network-listeners>

```
<network-listeners>
  <network-listener protocol="http-listener-1" port="8080" name="http-listener-1" thread-pool="http-listener-1" />
  <network-listener protocol="http-listener-2" port="8181" name="http-listener-2" thread-pool="http-listener-2" />
  <network-listener protocol="admin-listener" port="4848" name="admin-listener" thread-pool="admin-listener" />
</network-listeners>
```



Change from 8080 and 8181 to another port, for example: 9090 and 9191 (they should not be used by any other program)

```
<network-listeners>
  <network-listener protocol="http-listener-1" port="9090" name="http-listener-1" thread-pool="http-listener-1" />
  <network-listener protocol="http-listener-2" port="9191" name="http-listener-2" thread-pool="http-listener-2" />
  <network-listener protocol="admin-listener" port="4848" name="admin-listener" thread-pool="admin-listener" />
</network-listeners>
```



## 8. PROGRAM IN WINDOWS TO REVIEW PORTS

If there are still doubts about which programs are using which ports on our computer, there is a program in Windows that allows you to review the ports that are occupying the programs and thus know what the problem may be in case you do not want to raise our server:

For 64-bit Windows:

<http://icursos.net/software/currports/cports-x64.zip>

For 32-bit Windows:

<http://icursos.net/software/currports/cports.zip>

With this program you can check which program is using which port and also kill an unwanted process, with this being able to verify that there are no other programs using the ports that we want to use.

# EXERCISE CONCLUSION

With this exercise we have installed Glassfish.

This server can be added to any IDE, such as Netbeans or Eclipse. In this exercise we have associated the Glassfish server with the Netbeans IDE and with this we are ready to start our course.



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