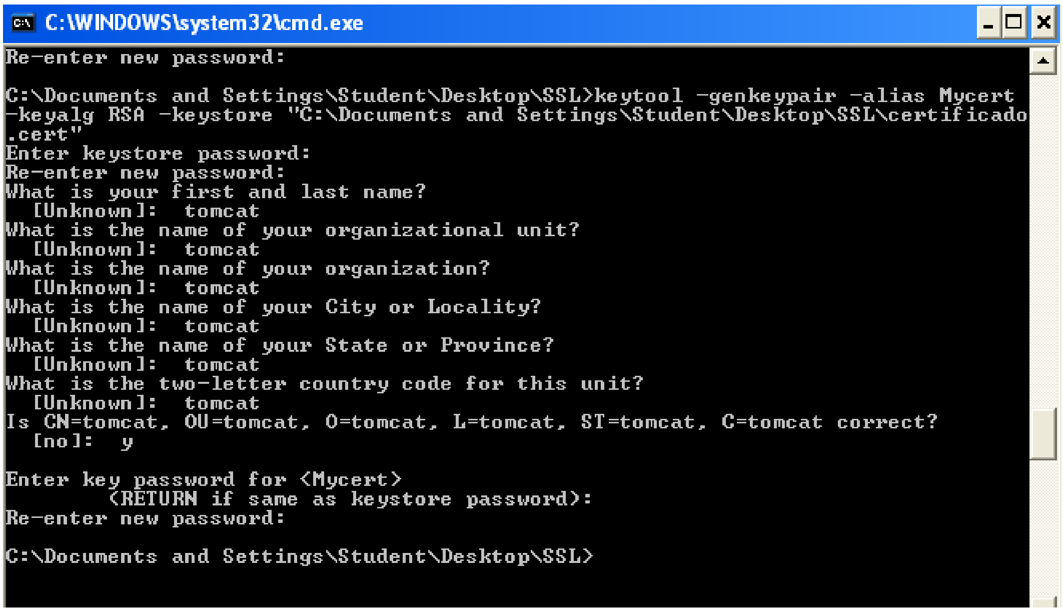
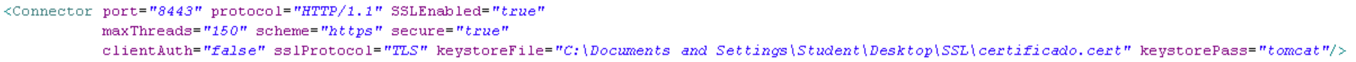
HTTPs CERTIFICATION



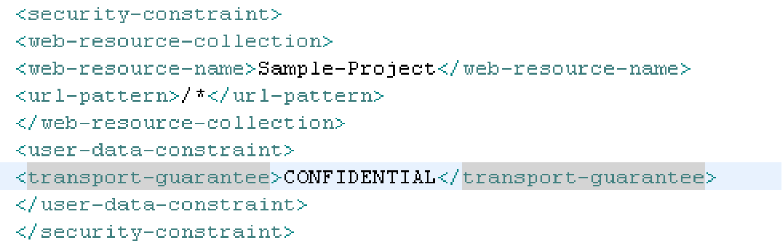
```
Re-enter new password:

C:\Documents and Settings\Student\Desktop\SSL>keytool -genkeypair -alias Mycert
-keyalg RSA -keystore "C:\Documents and Settings\Student\Desktop\SSL\certificado
.cert"
Enter keystore password:
Re-enter new password:
What is your first and last name?
  [Unknown]:  tomcat
What is the name of your organizational unit?
  [Unknown]:  tomcat
What is the name of your organization?
  [Unknown]:  tomcat
What is the name of your City or Locality?
  [Unknown]:  tomcat
What is the name of your State or Province?
  [Unknown]:  tomcat
What is the two-letter country code for this unit?
  [Unknown]:  tomcat
Is CN=tomcat, OU=tomcat, O=tomcat, L=tomcat, ST=tomcat, C=tomcat correct?
  [no]:  y

Enter key password for <Mycert>
        (RETURN if same as keystore password):
Re-enter new password:

C:\Documents and Settings\Student\Desktop\SSL>
```

The first thing we have to do to make our files and communications secure and confidential is create a certificate. We use the keytool to create it.



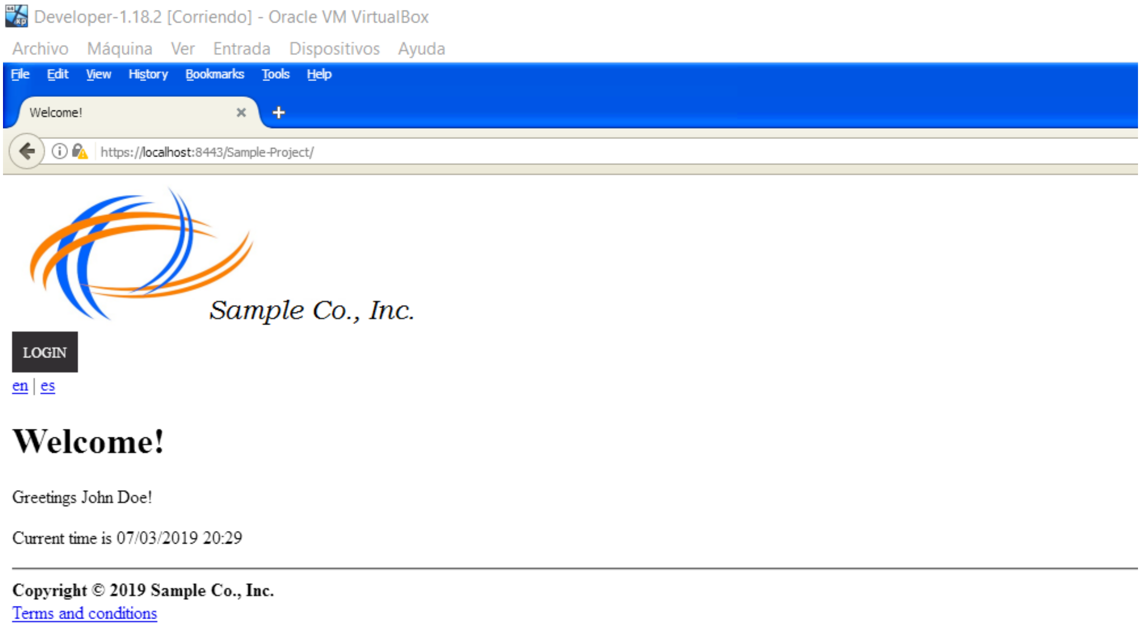
```
<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"
           maxThreads="150" scheme="https" secure="true"
           clientAuth="false" sslProtocol="TLS" keystoreFile="C:\Documents and Settings\Student\Desktop\SSL\certificado.cert" keystorePass="tomcat"/>
```

Now we change the server.xml and we add the image above where we put the root of our certificate and the password we use to create it. In keystoreFile and keystorePass respectively.



```
<security-constraint>
<web-resource-collection>
<web-resource-name>Sample-Project</web-resource-name>
<url-pattern>/*</url-pattern>
</web-resource-collection>
<user-data-constraint>
<transport-guarantee>CONFIDENTIAL</transport-guarantee>
</user-data-constraint>
</security-constraint>
```

Next, we change the web.xml and we add the image above.



Developer-1.18.2 [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
File Edit View History Bookmarks Tools Help
Welcome!
https://localhost:8443/Sample-Project/
Sample Co., Inc.
LOGIN
en | es

Welcome!

Greetings John Doe!

Current time is 07/03/2019 20:29

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Terms and conditions

This is an image of the Sample Project working with the https like it should.