

# CONFIGURACIÓN HTTPS

D03

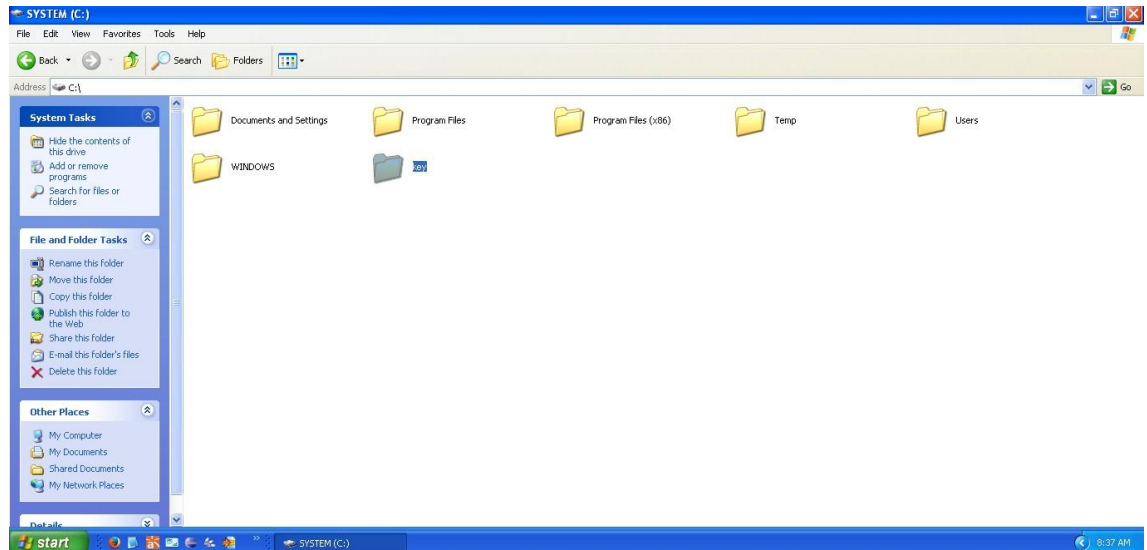


25 DE ABRIL DE 2019

GRUPO 11

## Configuración en Developer:

1. Creamos una carpeta en "C:\\" llamada key, que será donde generaremos nuestro almacén de claves.



2. Abrimos el terminal cmd y ejecutamos el comando: **keytool -genkey -alias tomcat -keyalg RSA -keystore "C:\key\keys"** y completamos con:

- Contraseña: acmemadruga
- localhost • localhost
- localhost
- ES • ES
- ES
- Yes
- acmemadruga

```

C:\> Command Prompt
(C) Copyright 1985-2003 Microsoft Corp.

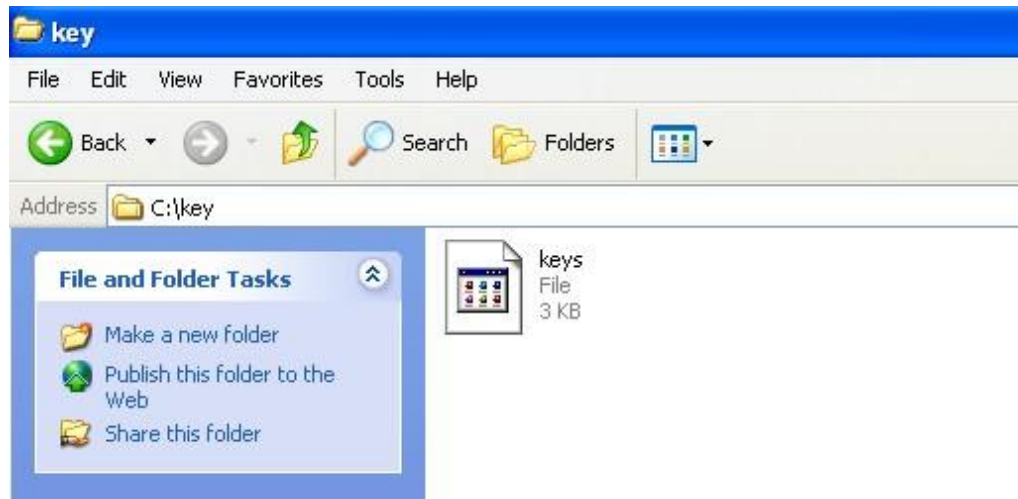
C:\Documents and Settings\Student>keytool -genkey -alias tomcat -keyalg RSA -keystore "C:\key\keys"
Enter keystore password:
Re-enter new password:
What is your first and last name?
[Unknown]: localhost
What is the name of your organizational unit?
[Unknown]: localhost
What is the name of your organization?
[Unknown]: localhost
What is the name of your City or Locality?
[Unknown]: ES
What is the name of your State or Province?
[Unknown]: ES
What is the two-letter country code for this unit?
[Unknown]: ES
Is CN=localhost, OU=localhost, O=localhost, L=ES, ST=ES, C=ES correct?
Inol: yes

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

C:\Documents and Settings\Student>

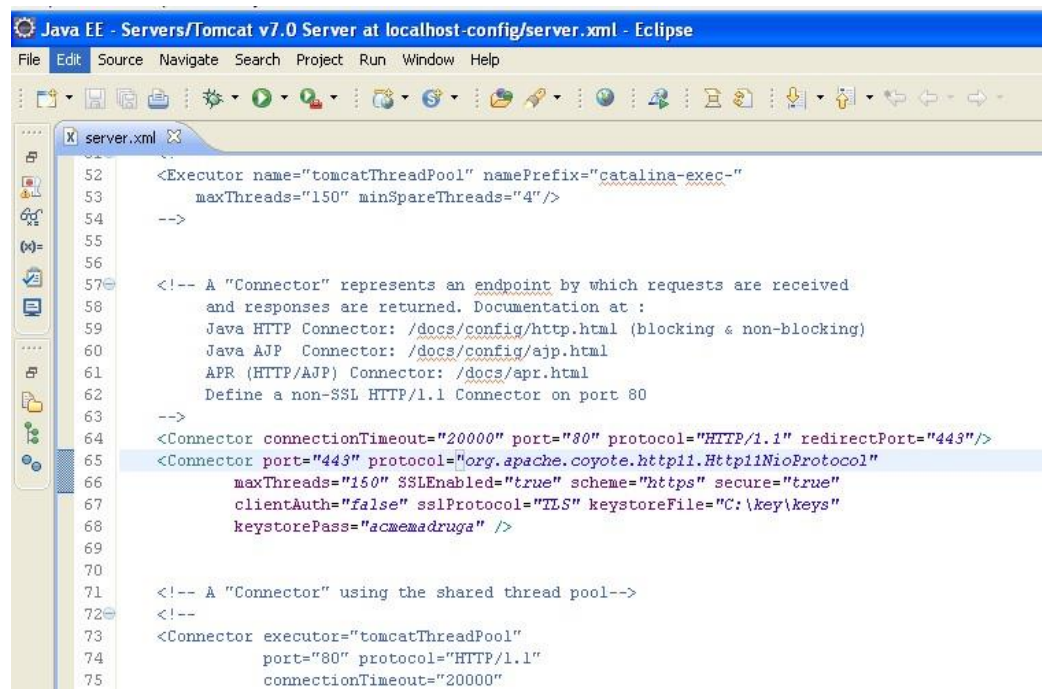
```

Y se generará nuestro almacén de claves:



3. Ahora procederemos a configurar el tomcat por lo que nos vamos a server.xml y añadimos:

- **<Connector port="443" protocol="org.apache.coyote.http11.Http11NioProtocol" maxThreads="150" SSLEnabled="true" scheme="https" secure="true" clientAuth="false" sslProtocol="TLS" keystoreFile="C:\key\keys" keystorePass="acmemadruga" />**



Teniendo en cuenta que ambos puertos sean "443" ya que con el puerto "8443" hemos tenido problemas.

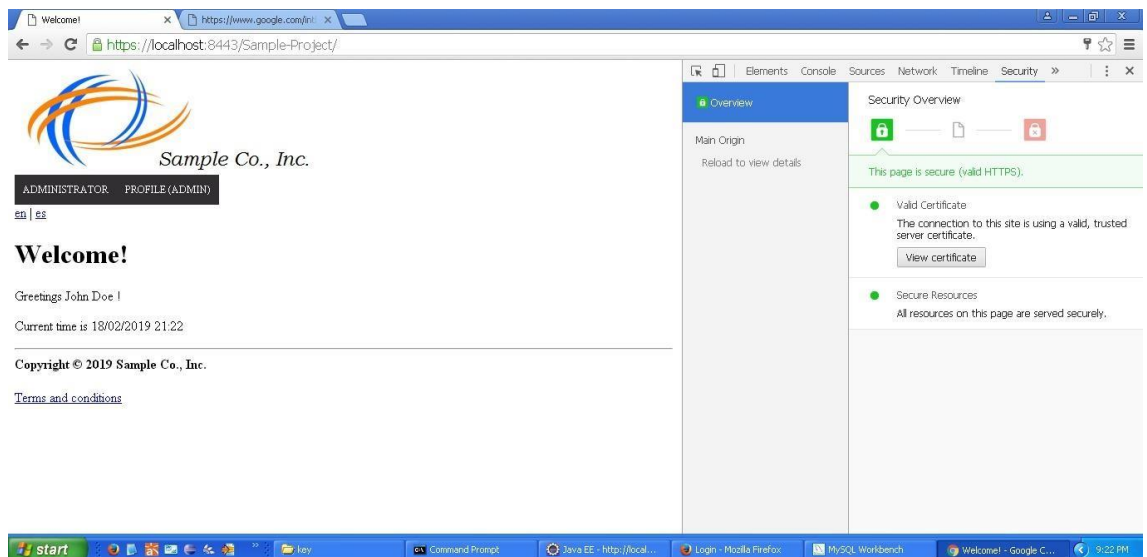
4. El siguiente paso sería irnos a security.xml y añadir **requires-channel="https"**.

```

31
32 <security:intercept-url pattern="/favicon.ico" access="permitAll" />
33 <security:intercept-url pattern="/images/**" access="permitAll" />
34 <security:intercept-url pattern="/scripts/**" access="permitAll" />
35 <security:intercept-url pattern="/styles/**" access="permitAll" />
36
37 <security:intercept-url pattern="/views/misc/index.jsp" access="permitAll" requires-channel="https"/>
38
39 <security:intercept-url pattern="/security/login.do" access="permitAll" requires-channel="https"/>
40 <security:intercept-url pattern="/security/loginFailure.do" access="permitAll" />
41
42 <security:intercept-url pattern="/welcome/index.do" access="permitAll" requires-channel="https"/>
43 <security:intercept-url pattern="/welcome/terms.do" access="permitAll" requires-channel="https"/>
44
45 <security:intercept-url pattern="/error.do" access="permitAll" requires-channel="https"/>
46
47 <security:intercept-url pattern="/actor/registerBrotherhood.do" access="isAnonymous()" requires-channel="https"/>
48 <security:intercept-url pattern="/actor/registerMember.do" access="isAnonymous()" requires-channel="https"/>
49
50 <security:intercept-url pattern="/actor/administrator,brotherhood,member/**" access="isAuthenticated()" />
51 <security:intercept-url pattern="/actor/administrator/**" access="hasRole('ADMIN')"/>
52 <security:intercept-url pattern="/actor/display.do**" access="permitAll" requires-channel="https"/>
53 <security:intercept-url pattern="/actor/display.do" access="hasAnyRole('ADMIN','BROTHERHOOD','MEMBER')"/>
54
55 <security:intercept-url pattern="/area/administrator/**" access="hasRole('ADMIN')"/>
56 <security:intercept-url pattern="/area/display.do**" access="permitAll" />
57 <security:intercept-url pattern="/brotherhood/brotherhood/selectArea.do"
58     access="hasRole('BROTHERHOOD')"/>
59

```

5. Por último, arrancamos tomcat y comprobamos que use protocolo https.

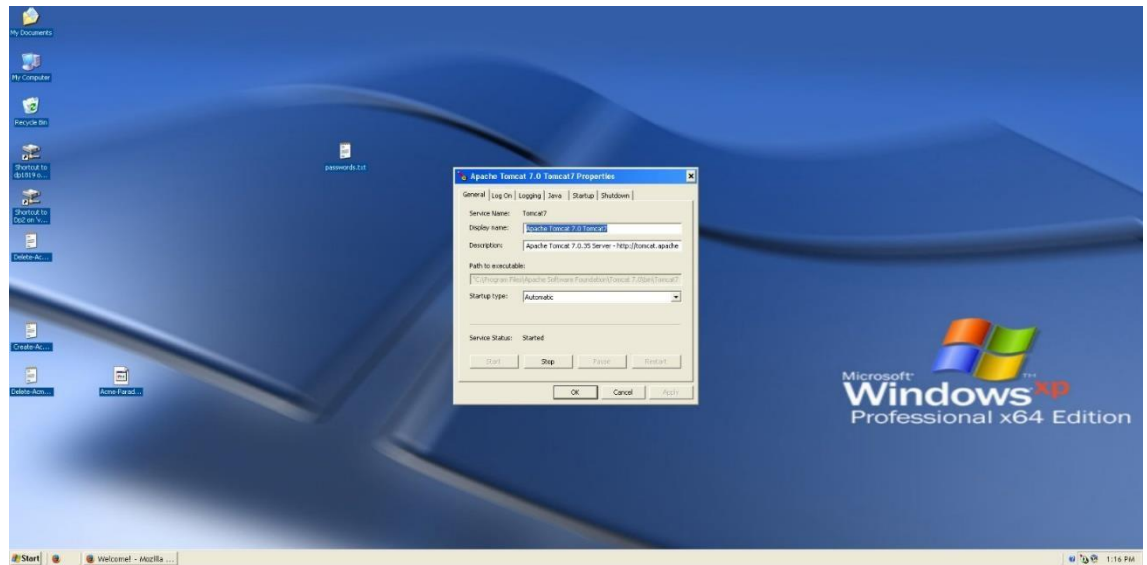


## Configuración en Pre-Production:

1. Creamos la carpeta key al igual que en developer.
2. Generamos las claves en la carpeta key de la misma forma que en developer con la diferencia de que en vez de localhost pondremos [www.acme.com](https://www.acme.com)







- Y desplegamos nuestro proyecto como se indicó en la última lección de la asignatura DP1 y accedemos con la url [www.acme.com](http://www.acme.com):

