

https on tomcat9

I have generated the below key in my local machine,
and place it on windows server 2016. Then it was working fine.

step1:

generate a sslkey

cd C:\Program Files\Java\jdk-16.0.1\bin

```
keytool -genkey -alias tomcat -keyalg RSA -keystore "C:\Softwares\apache-tomcat-9.0.56-windows-x64\apache-tomcat-9.0.56\conf\localhost.jks"
```

step2:

```
keytool -importkeystore -srckeystore C:\Softwares\apache-tomcat-9.0.56-windows-x64\apache-tomcat-9.0.56\conf\localhost.jks -destkeystore C:\Softwares\apache-tomcat-9.0.56-windows-x64\apache-tomcat-9.0.56\conf\localhost.jks -deststoretype pkcs12"
```

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]: IT

What is the name of your organization?

[Unknown]: mobily

What is the name of your City or Locality?

[Unknown]: riyadh

What is the name of your State or Province?

[Unknown]: riyadh

What is the two-letter country code for this unit?

[Unknown]: SA

Is CN=localhost, OU=IT, O=mobily, L=riyadh, ST=riyadh, C=SA correct?

[no]: yes

Generating 2,048 bit RSA key pair and self-signed certificate (SHA256withRSA) with a validity of 90 days
for: CN=localhost, OU=IT, O=mobily, L=riyadh, ST=riyadh, C=SA

to check our keyfile details

```
C:\Softwares\apache-tomcat-9.0.56-windows-x64\apache-tomcat-9.0.56\bin>keytool -list -keystore "C:\Softwares\apache-tomcat-9.0.56-windows-x64\apache-tomcat-9.0.56\conf\localhost.jks"
```

Enter keystore password:

Keystore type: PKCS12

Keystore provider: SUN

Your keystore contains 1 entry

tomcat, Dec 20, 2021, PrivateKeyEntry,

Certificate fingerprint (SHA1): B7:55:20:CB:C7:DF:FE:95:C2:FE:6A:BD:0A:0F:22:BC:5F:85:9C:FD

edit server.xml

---working----

```
<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"
    maxThreads="200" scheme="https" secure="true"
    keystoreFile="conf\localhost.jks" keystorePass="123456"
    clientAuth="false" sslProtocol="TLS" />
```

step3:

Go to Chrome

Open Tab

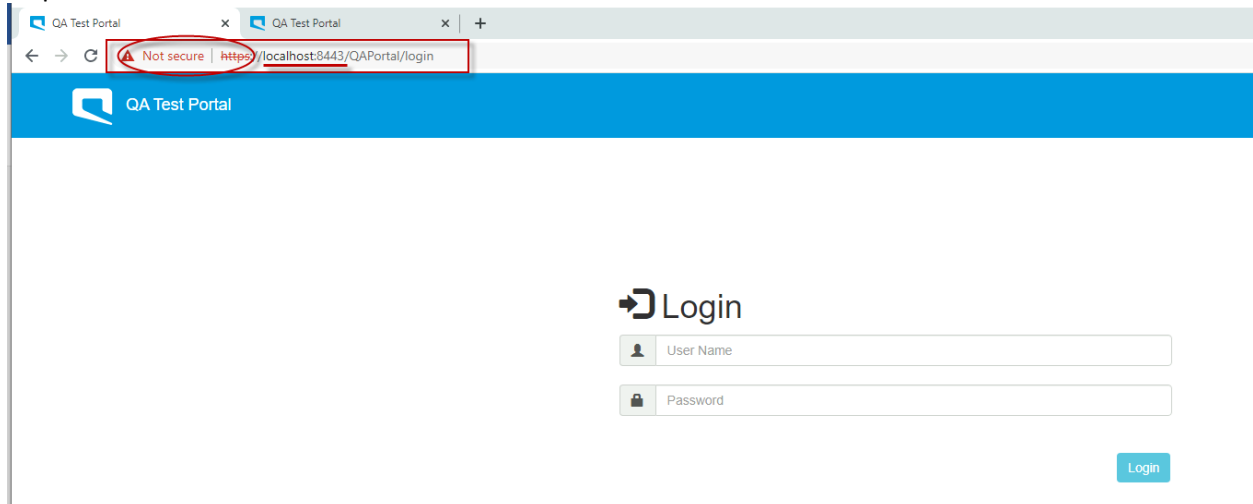
type: **chrome://flags/#allow-insecure-localhost**

Enable flag from drop down

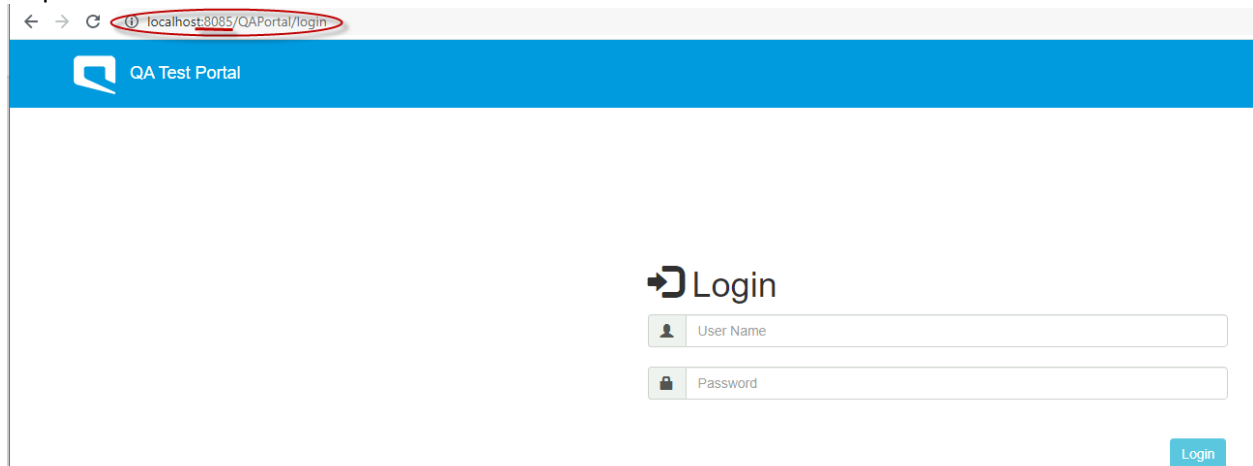
Relaunch Chrome

and **enable** it from dropdown.

https 8443



http on 8085



https://10.14.50.100:8443/QAPortal/login



🔑 Login

👤 s.parvez

🔒

Select Environment ▼

Go