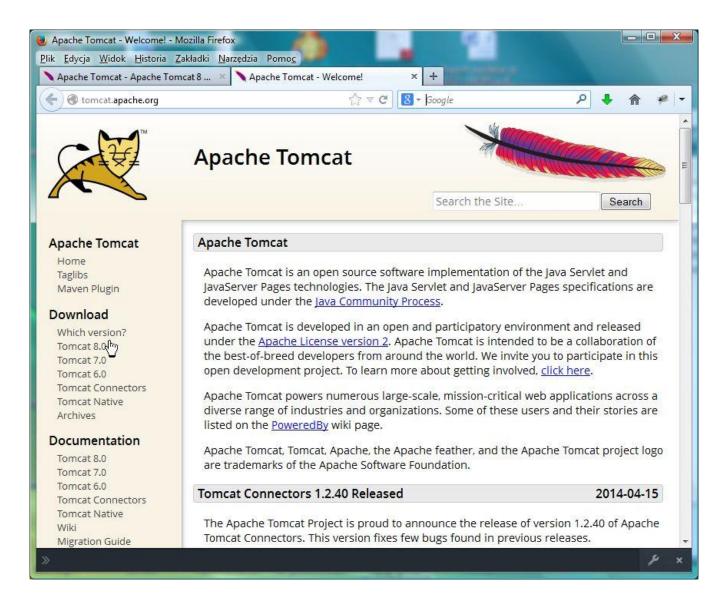
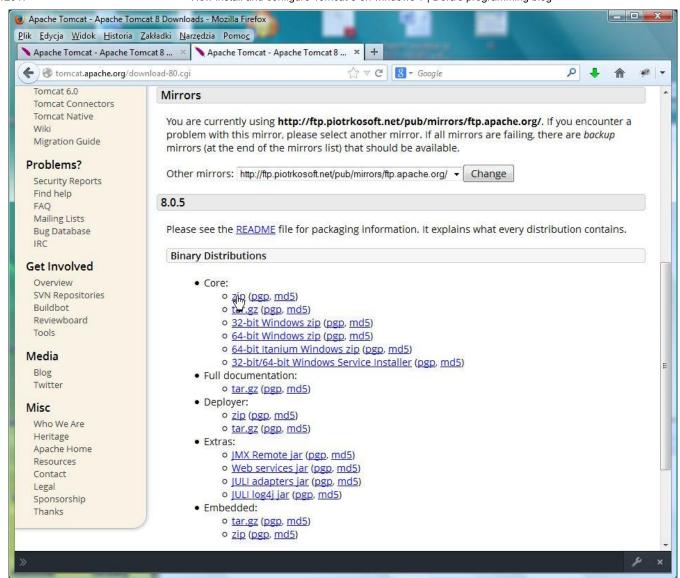
How install and configure Tomcat 8 on windows?

First You may go to http://tomcat.apache.org website.

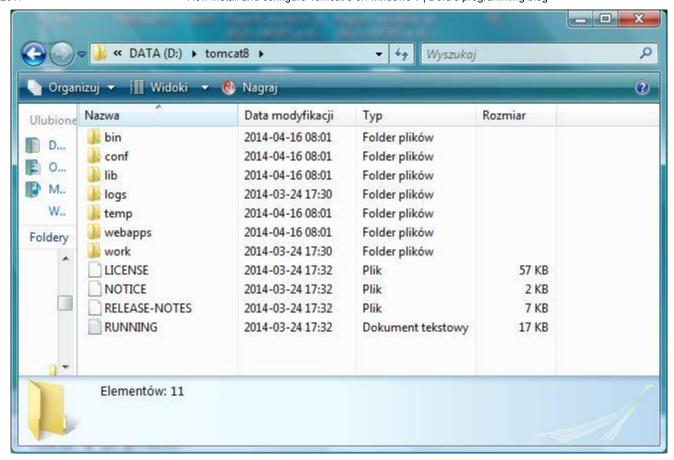
Click on **Tomcat 8.0** link in **Download** section on the left the website.



Choose **zip** in **Cores** section.



When your file is downloading, copy it into any path. I copy it into **D** disc. Unzipp it and change name for **tomcat8**. It will be shorter name.

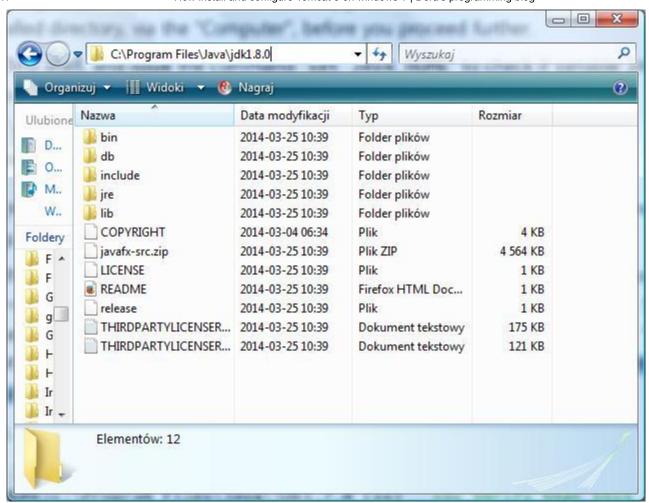


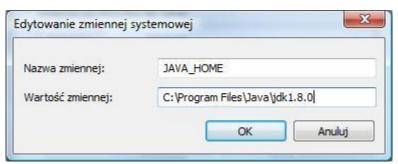
In this moment your **tomcat** server is installed. But it is time configure it.

If you want to work in tomcat server you must install java **jdk** environment. Last version java is in this time **java 8.** After instalation java set **JAVA_HOME** and **JRE_HOME** path.

So go to **Start** -> **Control Panel** -> **System** -> **Advanced system settings**. Switch to **Advanced** tab -> **Environment Variables**. In **System Variables** section click the **New** buton.

In **Variable Name** field write **JAVA_HOME** and in **Variable Value** write your JDK installed directory. In my it is **C:\Program Files\Java\jdk1.8.0**

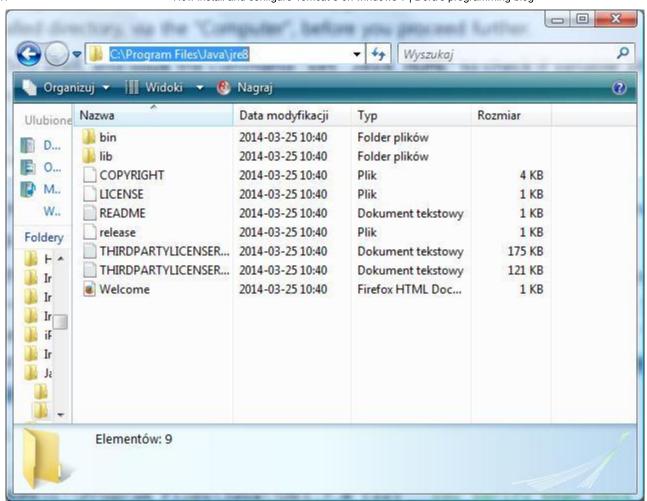


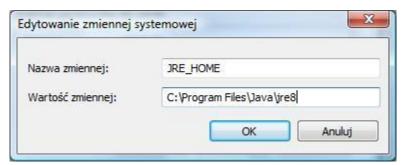


Click the **OK** button.

In **System Variables** section another time click the **New** buton.

In **Variable Name** field write **JAVA_JRE** and in **Variable Value** write your JRE installed directory. In my it is **C:\Program Files\Java\jre8**



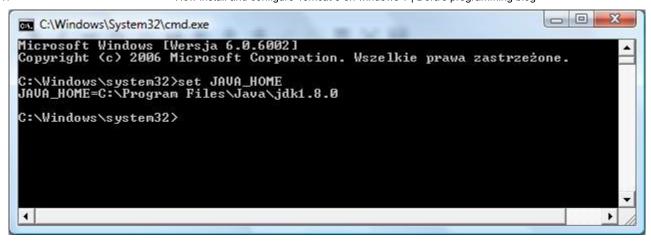


Click the **OK** button.

Check your JDK and JRE settings. Open CMD console and type:

set JAVA_HOME

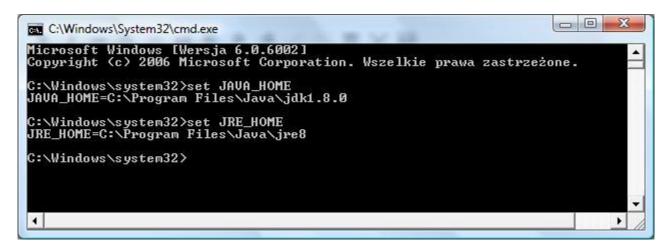
Type Enter.



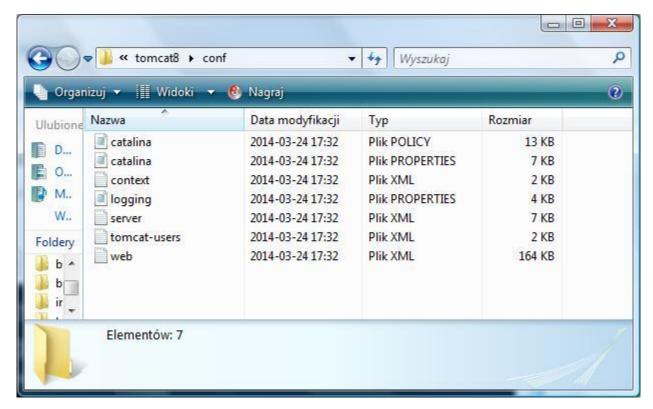
In the same way type in the console:

set JRE_HOME

and type Enter.



Tomcat configuration files are in **conf** folder.

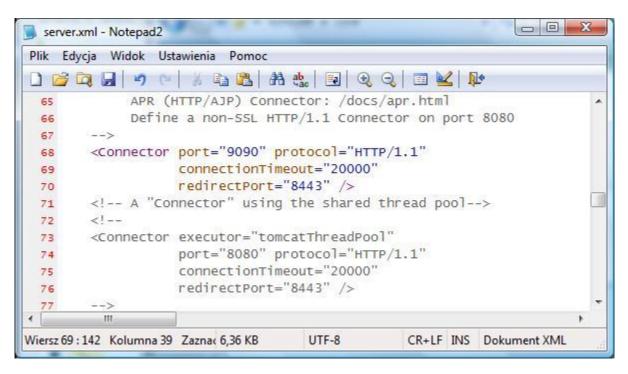


Tomcat has configured TCP port as **8080**. You may change it on another between 1024 and 65535. I change it to **9090**. Open **server.xml** file and change port in **connector** element.

Before change:

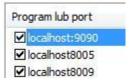
```
- - X
server.xml - Notepad2
Plik Edycja Widok Ustawienia Pomoc
APR (HTTP/AJP) Connector: /docs/apr.html
            Define a non-SSL HTTP/1.1 Connector on port 8080
 66
 67
       <Connector port="8080" protocol="HTTP/1.1"
 68
                  connectionTimeout="20000"
 69
                  redirectPort="8443" />
 70
       <!-- A "Connector" using the shared thread pool-->
 71
       <!--
       <Connector executor="tomcatThreadPool"</pre>
 73
                  port="8080" protocol="HTTP/1.1"
                  connectionTimeout="20000"
 75
                  redirectPort="8443" />
 76
Wiersz 1:142 Kolumna 1 Zaznaczc 6,36 KB
                                  UTF-8
                                              CR+LF INS
                                                       Dokument XML
```

After change:



You must either open this port on windows firewall.

So go to **Start** -> **Control Panel** -> **Windows Firewall**. Click on **change settings**. Switch to **Exceptions** tab. Click **Add port**. In the window in **Name** field write name of port, example: *localhost:9090* and in **Number of port** field write **9090**. Select **TCP** protocol and click the **OK** button. You see this name on the list. Click **OK** button in another window.



If you have installed another firewall you must unblock this port.

In the next step I must configure running default servlets. Open **web.xml** file and find part with default servlet.

```
- - X
web.xml - Notepad2
Plik Edycja Widok Ustawienia Pomoc
94
      <!--
                                 path that points to a location below either
      <!--
                                 $CATALINA_BASE/conf (checked first) or
                                 $CATALINA_HOME/conf (checked second).[null]
  96
      <!--
  97
        <servlet>
  98
            <servlet-name>default/servlet-name>
  99
            <servlet-class>org.apache.catalina.servlets.DefaultServlet/servlet-class>
 100
 101
            <init-param>
                <param-name>debug</param-name>
 102
 103
                <param-value>0</param-value>
            </init-param>
 104
            <init-param>
 105
                <param-name>listings</param-name>
 106
                <param-value>false</param-value>
 107
            </init-param>
 108
            <le><load-on-startup>1</load-on-startup>
 109
        </servlet>
 110
 111
Wiersz 1:4611 Kolumna 1 Zaznaczono 0
                               163 KB
                                          ISO-8859-1
                                                      CR+LF INS Dokument XML
```

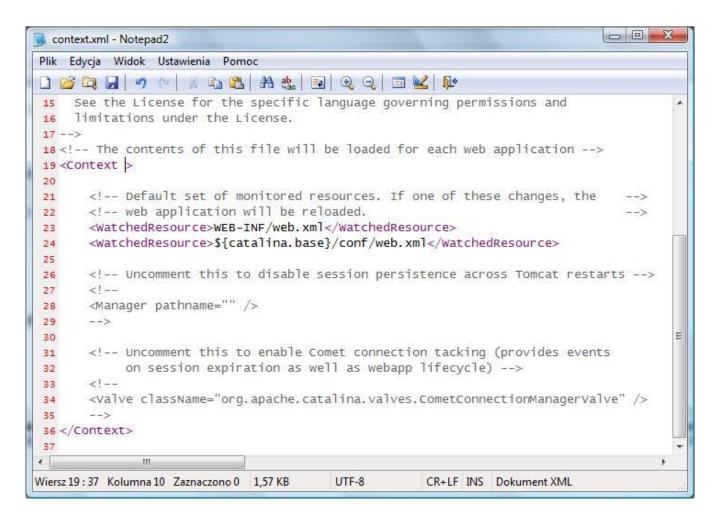
Change value in **listings** parameter from false to **true**.

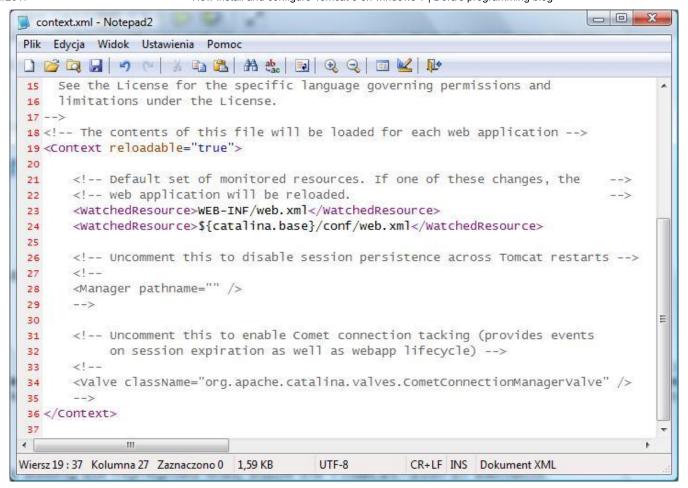
```
web.xml - Notepad2
Plik Edycja Widok Ustawienia Pomoc
<!--
                                 path that points to a location below either
  94
      <!--
                                 $CATALINA_BASE/conf (checked first) or
  95
                                 $CATALINA_HOME/conf (checked second).[null]
      <!--
  96
  97
        <servlet>
  98
            <servlet-name>default</servlet-name>
  99
            <servlet-class>org.apache.catalina.servlets.DefaultServlet/servlet-class>
 100
            <init-param>
 101
                <param-name>debug</param-name>
 102
 103
                <param-value>0</param-value>
            </init-param>
 104
            <init-param>
 105
 106
                <param-name>listings</param-name>
 107
                <param-value>true</param-value>
            </init-param>
 108
            <le><load-on-startup>1</load-on-startup>
 109
 110
        </servlet>
 111
Wiersz 107: 4 611 Kolumna 30 Zaznaczono 0 163 KB
                                          ISO-8859-1
                                                      CR+LF INS Dokument XML
```

Save this file.

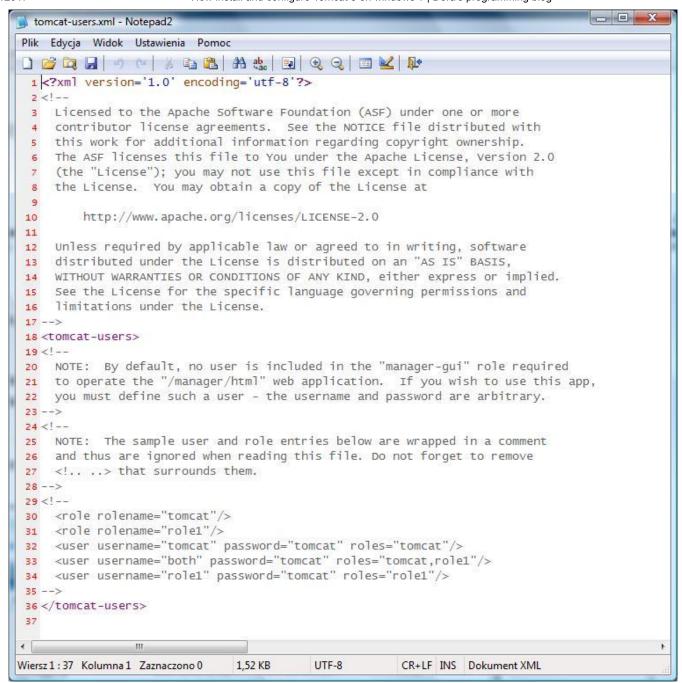
This configuration **listings** is handy for test.

Open **context.xml** configuration file and add **reloadable** atributte with **true** value. It is handy for test. Changes in code will be automatic reload on the server.



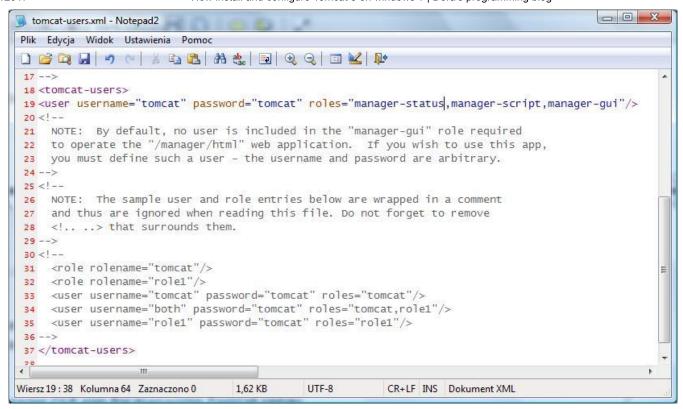


And you may add user for manage tomcat server. So open tomcat-users.xml file.



Uncomment user element and in username write any name and in password write any pass. In role write several roles: manager-status, manager-gui, manager-script. All roles write without space.

<user username="tomcat" password="tomcat" roles="manager-status,manager-script,manager-gui"/>



Next step you may start tomcat server. Open CMD console and go to the bin folder in tomcat. Mine is **D:\tomcat8\bin** . Write command **startup**.

```
Microsoft Windows [Wersja 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. Wszelkie prawa zastrzeżone.

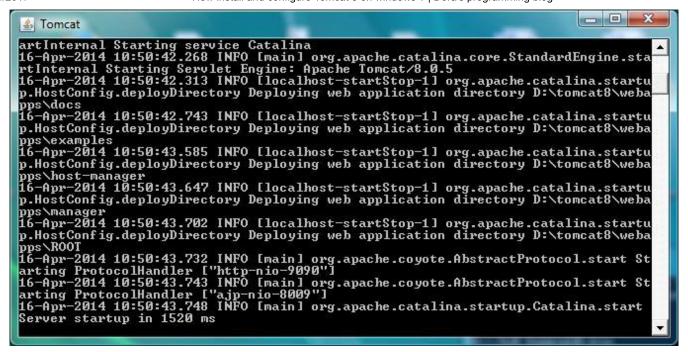
C:\Windows\system32>D:

D:\cd tomcat8\bin

D:\tomcat8\bin\startup
Using CATALINA_BASE: "D:\tomcat8"
Using CATALINA_HOME: "D:\tomcat8"
Using CATALINA_TMPDIR: "D:\tomcat8\temp"
Using JRE_HOME: "C:\Program Files\Java\jre8"
Using CLASSPATH: "D:\tomcat8\bin\bootstrap.jar;D:\tomcat8\bin\tomcat-juli.jar"

D:\tomcat8\bin\
```

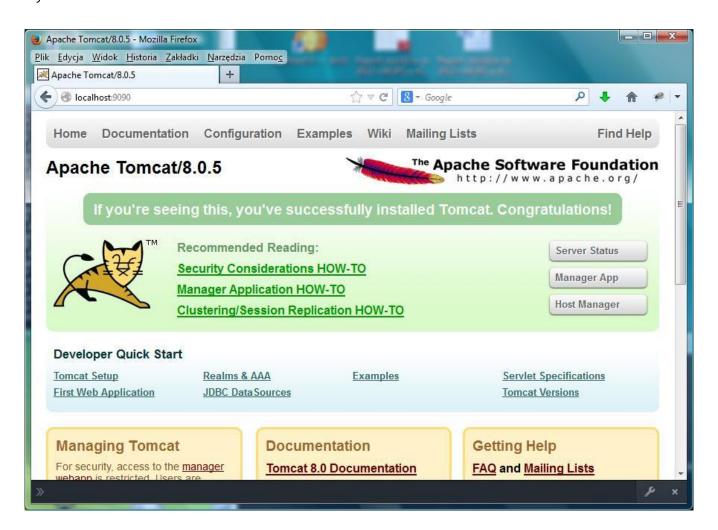
It command start tomcat server.



In browser write address:

http://localhost:9090

If you see this website:



Stopping tomcat in console write **shutdown**.

```
Microsoft Windows [Wersja 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. Wszelkie prawa zastrzeżone.

C:\Windows\system32>D:

D:\cd tomcat8\bin\startup
Using CATALINA_BASE: "D:\tomcat8"
Using CATALINA_HOME: "D:\tomcat8"
Using CATALINA_TMPDIR: "D:\tomcat8\temp"
Using JRE_HOME: "C:\Program Files\Java\jre8"
Using CLASSPATH: "D:\tomcat8\bin\bootstrap.jar;D:\tomcat8\bin\tomcat-juli.
jar"
D:\tomcat8\bin\shutdown
```

```
C:\Windows\System32\cmd.exe

C:\Windows\system32\D:

D:\cd tomcat8\bin\startup

Using CATALINA_BASE: "D:\tomcat8"

Using CATALINA_HOME: "D:\tomcat8 temp"

Using CATALINA_HOME: "D:\tomcat8\temp"

Using GASSPATH: "D:\tomcat8\bin\bootstrap.jar;D:\tomcat8\bin\tomcat-juli.jar"

D:\tomcat8\bin\shutdown

Using CATALINA_BASE: "D:\tomcat8"

Using CATALINA_BASE: "D:\tomcat8"

Using CATALINA_BASE: "D:\tomcat8"

Using CATALINA_HOME: "D:\tomcat8"

Using CATALINA_HOME: "D:\tomcat8 temp"

Using CATALINA_TMPDIR: "D:\tomcat8\temp"

Using CATALINA_TMPDIR: "D:\tomcat8\temp"

Using CASSPATH: "C:\Program Files\Java\jre8"

Using CLASSPATH: "D:\tomcat8\bin\bootstrap.jar;D:\tomcat8\bin\tomcat-juli.jar"

D:\tomcat8\bin\bootstrap.jar;D:\tomcat8\bin\tomcat-juli.jar"
```

This entry was posted in JAVA, Servers, Tomcat and tagged how configure tomcat, java, server, tomcat, tomcat 8 on April 16, 2014 [http://doraprojects.net/blog/?p=1109].

Barcelona, ES

20°
10:10 am CEST
Partly sunny