Install Apache Tomcat

Using Linux & Tomcat

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Install Tomcat on Linux:

**Project X**Install Apache Tomcat  
Tomcat is an open-source implementation of the Java  
Servlet, JavaServer Pages, Java Expression Language,  
and Java WebSocket technologies.  
This tutorial covers the steps required to install Tomcat  
9.0  
**Prerequisites**The user you are logging in as must have sudo  
privileges to be able to install packages.

1. Log into you windows server and then using my last session on MobaXterm. I will su to root:
2. Su root:
3. A computer screen shot of a computer screen

   Description automatically generated
4. **Now I have completed the 1st prerequisite.**
5. **Install OpenJDK**Tomcat 9 requires Java SE 8 or later. We will install  
   OpenJDK, the open-source implementation of the Java  
   Platform ,which is the default Java development and  
   runtime in Linux 7.
6. **Install Java by typing the following  
   command:**$ sudo yum install java-1.8.0-openjdk-devel wget -y
7. A computer screen shot of a program

   Description automatically generated
8. **Create a Tomcat system user: (useradd tomcat)**
9. A computer screen shot of a program

   Description automatically generated
10. **Create a new group groupadd grptomcat**
11. **Create a new directory /opt/tomcat (mkdir /opt/tomcat)**
12. A computer screen shot of a computer screen

    Description automatically generated
13. A screenshot of a computer screen

    Description automatically generated
14. **Su tomcat**
15. A computer screen shot of a program

    Description automatically generated
16. The above download failed because it came across as a .html file, which we cannot unzip into Linux.
17. I was able to detect the error in the file web https and correct the information based on the copy of the hyper link address. This was resolved successfully.
18. A computer screen with white text

    Description automatically generated
19. **When the download is complete, extract the tar file :$ tar -xf apache-tomcat-9.0.37.tar.gz**
20. A computer screen shot of a program

    Description automatically generated
21. **Now move the Tomcat source files to the /opt/tomcat directory: $ sudo mv apache-tomcat-9.0.8 /opt/tomcat/**
22. **My initial attempt failed because tomcat is not a privileged user, so I switched to root**
23. **Now we need to adjust the Firewall by opening the port 8080, using (sudo firewall-cmd –reload)**
24. A computer screen shot of a computer screen

    Description automatically generated
25. **Start Apache Tomcat ($ /opt/tomcat/apache-tomcat-9.0.84/bin/Catalina.sh start opt/**
26. A computer screen shot of a program

    Description automatically generated
27. **Started Apache Tomcat successfully 😉!!!**
28. **I am not able to get through the web browser with IP:8080**
29. **Testing ps -ef | grep tomcat:**
30. A screenshot of a computer screen

    Description automatically generated
31. A computer screen with white text and black text

    Description automatically generated
32. Trying to access the tomcat from outside, by adjusting the firewall again:
33. A screenshot of a computer screen

    Description automatically generated
34. Go to your web browser, open a blank window and  
    type the following the in address bar  
    Ipadress:8080 :where Ip-address = IP of your  
    virtual machine  
    For example:  
    192.168.1.245:8080  
    Hit enter to go to the newly installed tomcat page.  
    **Submission**You have successful installed Tomcat, take a  
    snapshot of every command that you ran as well as  
    the final tomcat web page and put them in a word  
    document. Submit the word document through a  
    private message.
35. A screenshot of a computer screen

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