NB! All commands are written in server terminal

1. Make sure Java SE 8 or newer is running on server. (Needed for Tomcat 9)

- Write `java -version` in server terminal
- If it says 1.8 or newer go to "***Download Tomcat package to server***"
- If there isn't java 8 on server run the following commands
- `sudo apt update`
- `sudo apt install openjdk-8*`

2. Download Tomcat package to server

- Change directory to opt `cd /opt`
- Download package to server `wget http://www-us.apache.org/dist/tomcat/tomcat-9/v9.0.0.M18/bin/apache-tomcat-9.0.0.M18.tar.gz`
- Extract the downloaded file `tar -zxpvf apache-tomcat-9.0.0.M18.tar.gz -C /opt/`
- Copy the contents to a directory called "tomcat9", if there is no such directory yet it will create it `mv apache-tomcat-9.0.0.M18 tomcat9`

3. Configure environment variables

- Point Catalina home directory to our new directory `echo "export CATALINA_HOME='/opt/tomcat9'" >> ~/.bashrc`
- `source ~/.bashrc`

4. Setup user accounts

- Open tomcat-users.xml in editor `vim /opt/tomcat9/conf/tomcat-users.xml`

- Press *i* to start inserting text

- Edit the file `->` add the following lines between the and open and close tags:

- `<!-- user manager can access only manager section -->`
- `<role rolename="manager-gui" />`
- `<user username="manager" password="_SECRET_PASSWORD_" roles="manager-gui" />`
- `<!-- user admin can access manager and admin section both -->`
- `<role rolename="admin-gui" />`
- `<user username="admin" password="_SECRET_PASSWORD_" roles="manager-gui,admin-gui" />`
- When done press *Esc* once, then write `:wq` (to save&quit) and press *Enter*
- If you want to discard changes press *Esc* once, then write `:q` (to quit) and press *Enter*

5. Running

- `cd /opt/tomcat9/bin/`
- `./catalina.sh start`
- if *Catalina.sh not found* `chmod +x catalina.sh`

http://www.linuxtechi.com/install-apache-tomcat9-centos7-rhel7-ubuntu16-04/