**How to Install Tomcat on Ubuntu**

**Prerequisites**

* AWS Account with [Ubuntu](https://www.fosstechnix.com/how-to-install-tomcat-on-ubuntu-24-04-lts/) 24.04 LTS EC2 Instance.
* Java Development Kit (JDK) installed.

**Step #1:Install Java on Ubuntu 24.04 LTS**

To install Tomcat you should have Java installed. Tomcat relies on Java to function.

First update the package repository.

sudo apt update

[Install](https://www.fosstechnix.com/how-to-install-tomcat-on-ubuntu-24-04-lts/) Openjdk (Java).

sudo apt install openjdk-17-jdk

**Step #2:Create a Tomcat User**

For security reasons, it’s best not to run Tomcat as the root user. Let’s create a dedicated user and group.

sudo useradd -m -U -d /opt/tomcat -s /bin/false tomcat

**Step #3:Install Tomcat on Ubuntu 24.04 LTS**

Now lets install Tomcat. First navigate to the Tomcat official website and download the latest version of Tomcat 10. You can use **wget**for this purpose.

sudo wget https://www-eu.apache.org/dist/tomcat/tomcat-10/v10.1.24/bin/apache-tomcat-10.1.24.tar.gz -P /tmp

extract it to the **/opt/tomcat** directory.

sudo tar -xvf /tmp/apache-tomcat-10.1.24.tar.gz -C /opt/tomcat

### Step #4:Update Permissions of Tomcat

Change ownership of the Tomcat directory to the **tomcat**user and group:

sudo chown -R tomcat:tomcat /opt/tomcat

### Step #5:Configure Tomcat as a Service

A systemd unit file tells systemd how to manage a service. Create a file named **tomcat.service** under the **/etc/systemd/system** directory using a text editor.

navigate to the **/etc/systemd/system**.

cd /etc/systemd/system

Create a tomcat.service file using nano command.

sudo nano tomcat.service

add the following content into it.

[Unit]

Description=Tomcat Server

After=network.target

[Service]

Type=forking

User=tomcat

Group=tomcat

Environment="JAVA\_HOME=/usr/lib/jvm/java-17-openjdk-amd64"

WorkingDirectory=/opt/tomcat/apache-tomcat-10.1.24

ExecStart=/opt/tomcat/apache-tomcat-10.1.24/bin/startup.sh

[Install]

WantedBy=multi-user.target

### Step #6:Reload systemd and Start Tomcat

Reload the systemd daemon to apply the changes.

sudo systemctl daemon-reload

Start the Tomcat service.

sudo systemctl start tomcat

Enable Tomcat to start on boot.

sudo systemctl enable tomcat

Now you can verify if your service is running properly or not by running your public ip address with port 8080 which is default port for Tomcat in url. You should see the Tomcat welcome page if everything is set up correctly.

