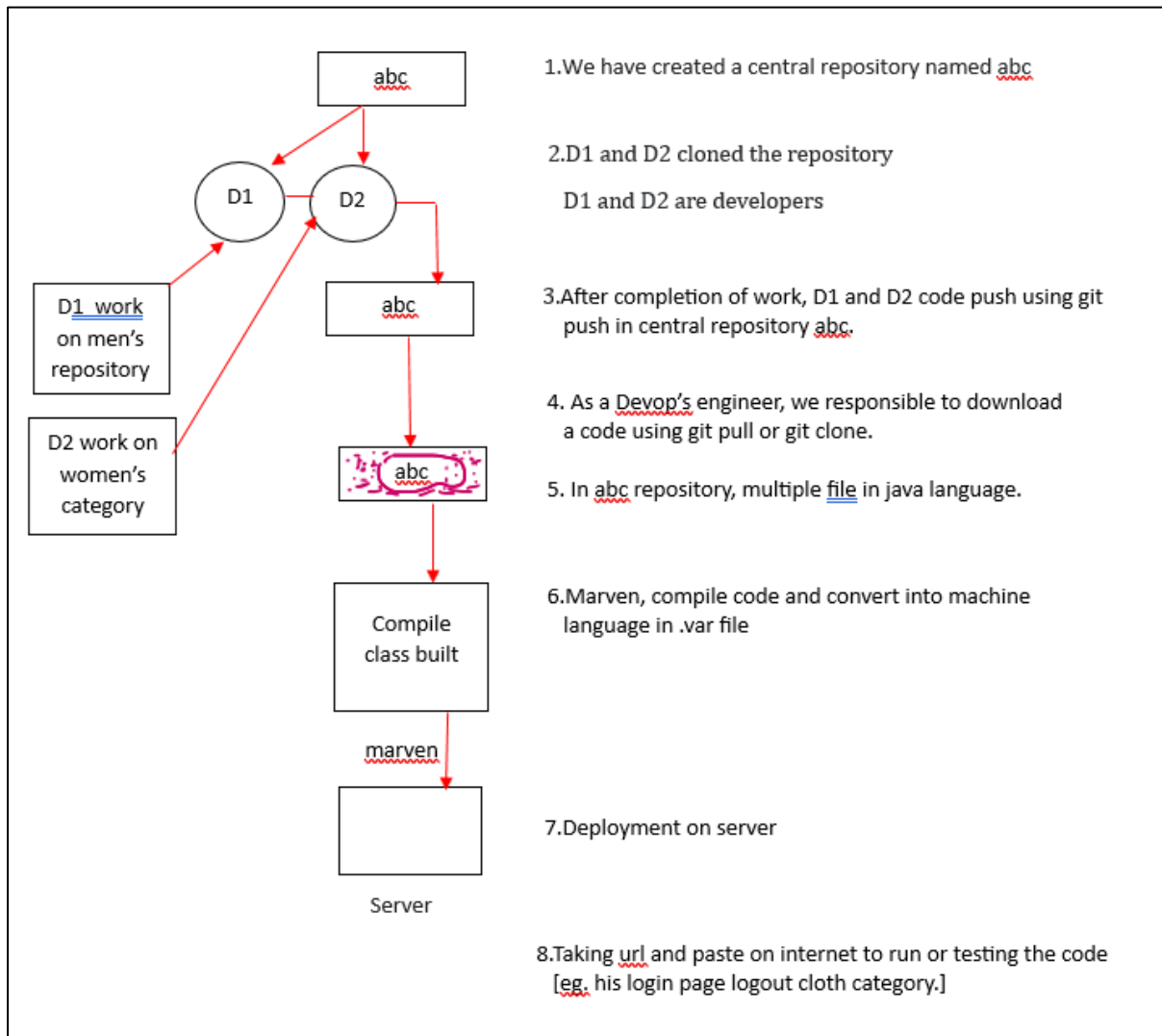


2.Marven

- Maven is build and compile tool.
- Coding in files that are human readable form.
- The coding language is convert into machine level language.



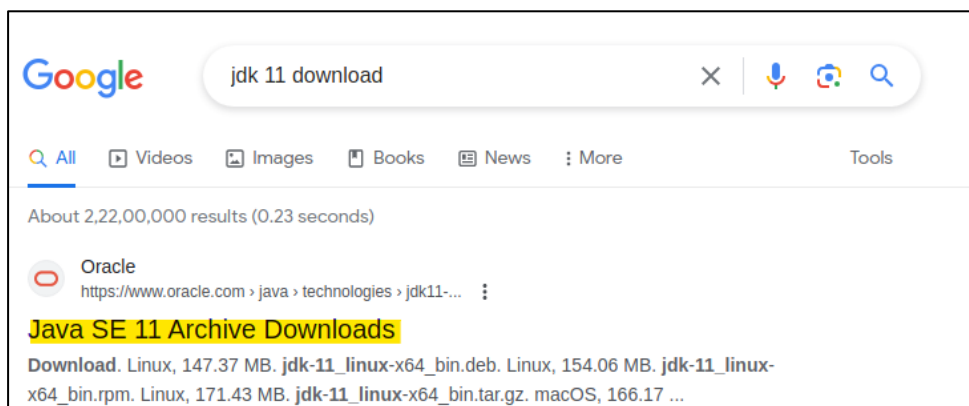
- In maven code is compile
- Maven is project , object management tool.
- Maven well organised structure.
- In maven know library, information,version.
- Maven first check pom.xml file [project object management tool]
- In pom.xml file is an acronym for Project Object Model.
- The pom. xml file contains information of project and configuration information for the maven to build the project such as dependencies, build directory, source directory, test source directory, plugin, goals etc
- Maven is product of apache which download all libraries required for compile and built.

Disadvantage of ant tool

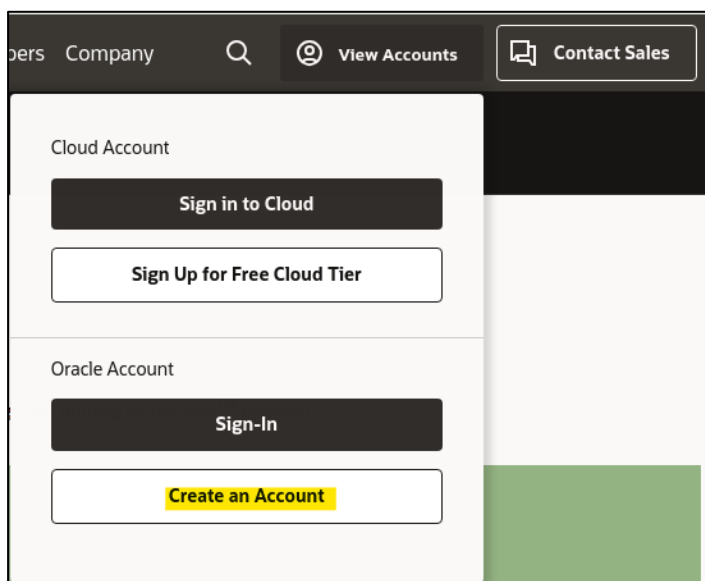
- It is an older build tool when compared to the recent tool like Gradle, Maven, etc.
- It doesn't have a life cycle.
- It doesn't have a central repository like maven and still uses the library to store its dependencies.
- We need to provide the entire project structure in the build.xml file only as it doesn't have a specific convention to mention.
- In Ant, we need to define everything like source directory, build directory, etc.
- As Ant it a procedural, we need to provide an order to specify what to do through the code.
- It is just a toolbox and a build tool.
- It is less used when compared to Maven in recent days

In ant tool, project is not work easily. First convert into java then send to ant tool.






How to download java?




2.create an account



3. Linux x64 compressed archive download


Linux ARM64 RPM Package	158.08 MB	 jdk-11.0.20_linux-aarch64_bin.rpm
Linux ARM64 Compressed Archive	158.16 MB	 jdk-11.0.20_linux-aarch64_bin.tar.gz
Linux x64 Debian Package	139.34 MB	 jdk-11.0.20_linux-x64_bin.deb
Linux x64 RPM Package	161.93 MB	 jdk-11.0.20_linux-x64_bin.rpm
Linux x64 Compressed Archive	162.06 MB	 jdk-11.0.20_linux-x64_bin.tar.gz

How to download maven?



[All](#) [Videos](#) [Books](#) [Images](#) [News](#) [More](#) [Tools](#)

About 1,48,00,000 results (0.35 seconds)

**Apache Maven**
<https://maven.apache.org/download>

Download Apache Maven
Downloading Apache Maven 3.9.5. Apache Maven 3.9.5 is the latest release: it is the recommended version for all users. System Requirements ...
[Releases History](#) · [Release Notes – Maven 3.8.8](#) · [Index of /dist/maven/maven-3](#)

Files

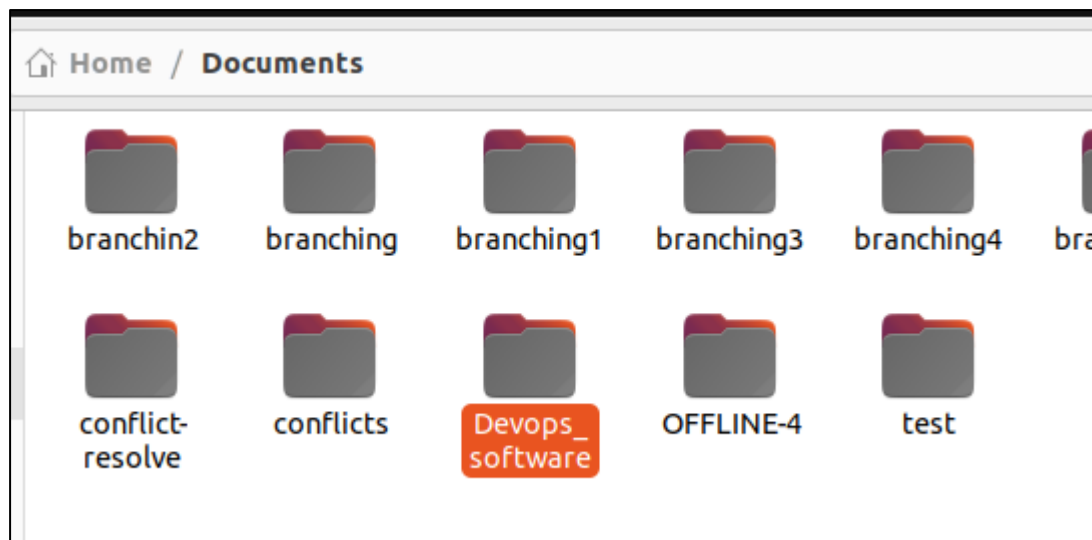
Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by the Apache Maven developers.

	Link	Checksums	Signature
Binary tar.gz archive	apache-maven-3.9.5-bin.tar.gz	apache-maven-3.9.5-bin.tar.gz.sha512	apache-maven-3.9.5-bin.tar.gz.asc
Binary zip archive	apache-maven-3.9.5-bin.zip	apache-maven-3.9.5-bin.zip.sha512	apache-maven-3.9.5-bin.zip.asc
Source tar.gz archive	apache-maven-3.9.5-src.tar.gz	apache-maven-3.9.5-src.tar.gz.sha512	apache-maven-3.9.5-src.tar.gz.asc
Source zip archive	apache-maven-3.9.5-src.zip	apache-maven-3.9.5-src.zip.sha512	apache-maven-3.9.5-src.zip.asc

1.create new folder tar and paste jdk and maven file.

2.create new folder Devops_software and paste tar file into it

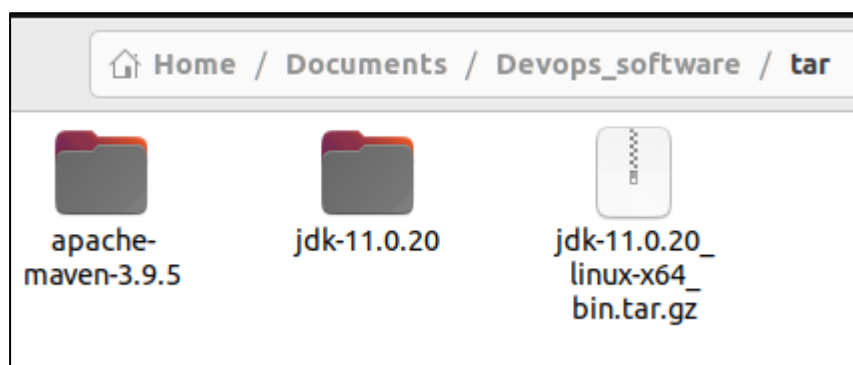


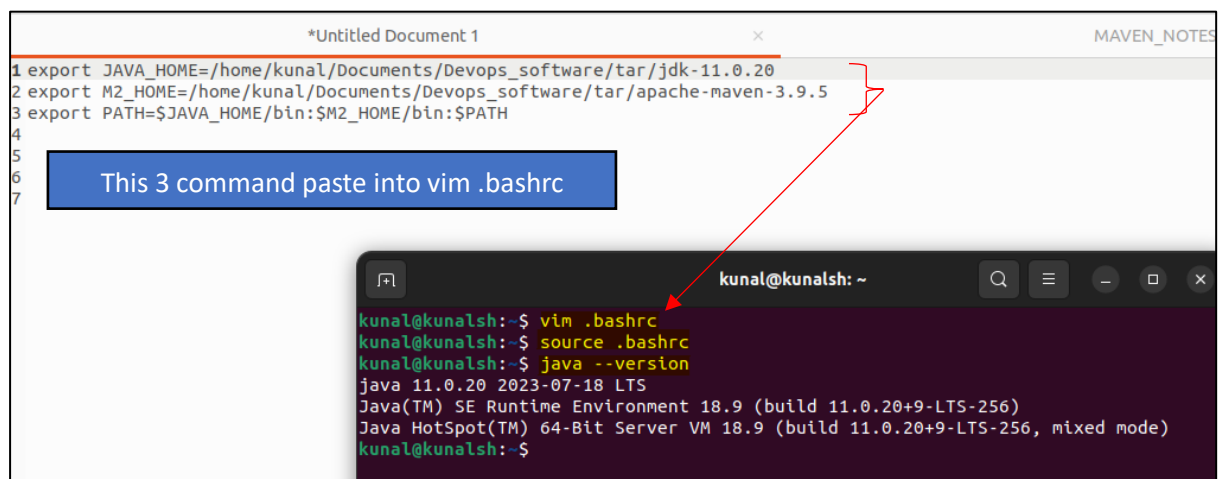
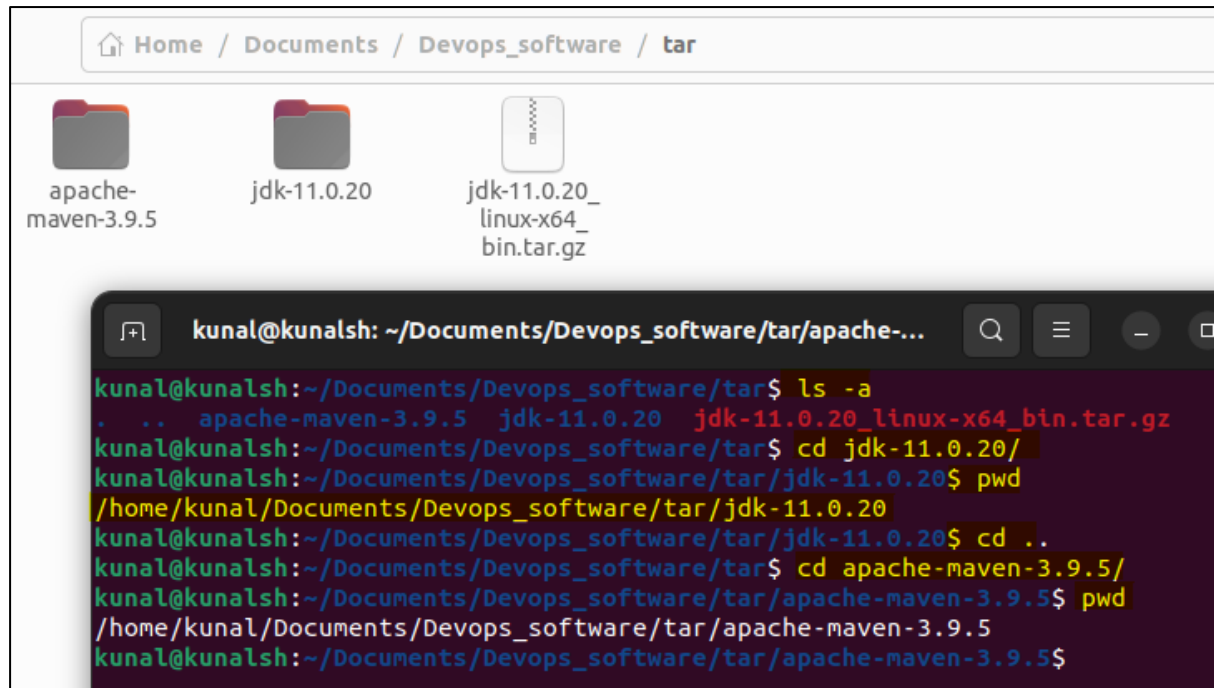
Extract maven and jdk files using tar -zxf path

```
kunal@kunalsh:~/Documents/Devops_software/tar$ tar -zxf jdk-11.0.20_linux-x64_bin.tar.gz
kunal@kunalsh:~/Documents/Devops_software/tar$
```

```
kunal@kunalsh:~/Downloads$ tar -xvf apache-maven-3.9.5-bin.tar.gz
```

Paste maven folder in tar





Eg: go to google sample java helloworld program

Java "Hello, World!" Program

```
// Your First Program

class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World!");
    }
}
```

```
kunal@kunalsh:~$ vim sample.java
kunal@kunalsh:~$ ls -a
.          Desktop      Pictures    'Untitled Document 1'      .vboxclient-vmvga-session-tty2-control.pid
..         Documents    .pki       .vboxclient-clipboard-tty2-control.pid  .vboxclient-vmvga-session-tty2-service.pid
apple      Downloads      .profile   .vboxclient-clipboard-tty2-service.pid
.bash_history .gnupg        Public     .vboxclient-draganddrop-tty2-control.pid  Videos
.bash_logout 'jdk password' sample.java .vboxclient-draganddrop-tty2-service.pid  .vim
.bashrc      .lessht       snap       .vboxclient-hostversion-tty2-control.pid
.cache       .local        .ssh       .vboxclient-seamless-tty2-control.pid
.config      Music         Templates  .vboxclient-seamless-tty2-service.pid
```

```
kunal@kunalsh:~$ cat sample.java
class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World!");
    }
}
```

Manually convert file

```
kunal@kunalsh:~$ javac sample.java
kunal@kunalsh:~$ ls -a
.          Desktop      Music       Templates      .vboxclient-seamless-tty2-service.pid
..         Documents    Pictures    'Untitled Document 1'  .vboxclient-vmvga-session-tty2-control.pid
apple      Downloads      .pki       .vboxclient-clipboard-tty2-control.pid  .vboxclient-vmvga-session-tty2-service.pid
.bash_history .gnupg        .profile   .vboxclient-clipboard-tty2-service.pid  Videos
.bash_logout HelloWorld.class Public     .vboxclient-draganddrop-tty2-control.pid  .vim
.bashrc      'jdk password' sample.java .vboxclient-draganddrop-tty2-service.pid  .viminfo
.cache       .lessht       snap       .vboxclient-hostversion-tty2-control.pid
.config      .local        .ssh       .vboxclient-seamless-tty2-control.pid
```

Convert into machine level

```
kunal@kunalsh:~$ cat HelloWorld.class
♦♦♦♦7

<init>()VCodeLineNumberTablemain([Ljava/lang/String;)V
SourceFile
    sample.java

Hello, World!♦

elloWorldjava/lang/Objectjava/lang/SystemoutLjava/io/PrintStream;java/io/PrintStreamprintln(Ljava/lang/String;)V    *♦♦

    %    ♦♦♦

kunal@kunalsh:~$ java --version
java 11.0.20 2023-07-18 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.20+9-LTS-256)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.20+9-LTS-256, mixed mode)
```

What is compile?

.java to .class file

What is build?

Executable file deployed on server. After getting URL put on browser for testing.

Production is called final deployment

Environment→

DEV , QA , Devops teams Interaction and environment.

Type of project

1.Standalone project

- Without internet access.
- Calculator , calendar , camera , MS WORD , games.

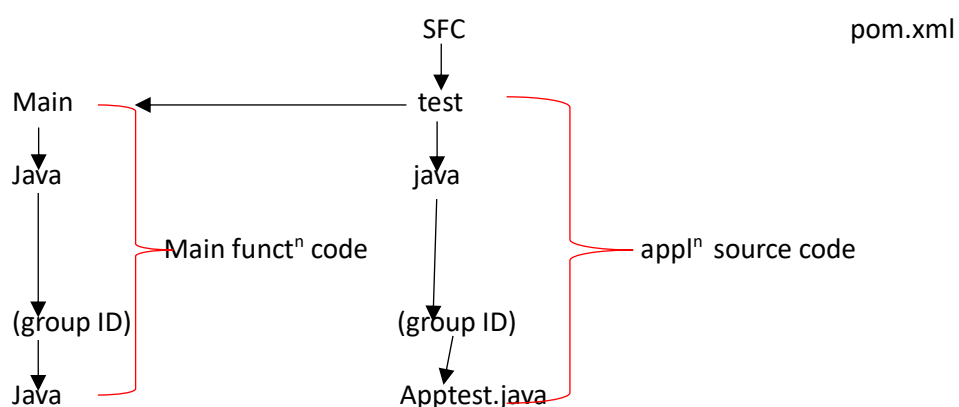
2.Webapp project

- With internet access.
- Google, flipkart , whatsapp ,Youtube...

Java project which are created by maven ideally follows below project folder structure.

Eg.

Flipkart



com.Flipkart is called group Id means package name.

Flipkart is called "project name"/artifact Id

Pom.xml is entry point.

Jav is called maven co-ordinates.

Jav→ group Id, artifact Id, Version

Jar us used for standalone project.

Var file used for webapp project.

SFC→ service folder which contains application source code.

Main → contain application's main function code

Test → contains application's unit test code

Pom.xml → maven build file using which we can configure build steps such as compilation , test runs ,jar/var creation , deployments.

Eg: create a standalone project using maven

Pacakage name

project name

```
kunal@kunalsh:~$ mvn archetype:generate -DgroupId=com.meesho -DartifactId=meesho -Dversion=1.0-SNAPSHOT -DinteractiveMode=false
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plu
```

```
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> archetype:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO] <<< archetype:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.2.1:generate (default-cli) @ standalone-pom ---
```

```
[INFO] -----
[INFO] Parameter: basedir, Value: /home/kunal
[INFO] Parameter: package, Value: com.meesho
[INFO] Parameter: groupId, Value: com.meesho
[INFO] Parameter: artifactId, Value: meesho
[INFO] Parameter: packageName, Value: com.meesho
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: /home/kunal/meesho
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 36.836 s
[INFO] Finished at: 2023-10-26T12:38:31+05:30
[INFO] -----
```



```
kunal@kunalsh:~$ ls -la
.          k          'Untitled Document 1'
..         .lessht    .vboxclient-clipboard-tty2-control.pid
apple      .local          .vboxclient-clipboard-tty2-service.pid
.bash_history .m2             .vboxclient-draganddrop-tty2-control.pid
.bash_logout meesho          .vboxclient-draganddrop-tty2-service.pid
.bashrc     Music        .vboxclient-hostversion-tty2-control.pid
.cache      Pictures    .vboxclient-seamless-tty2-control.pid
.config     .pki           .vboxclient-seamless-tty2-service.pid
Desktop     .profile       .vboxclient-vmsvga-session-tty2-control.pid
Documents   Public         .vboxclient-vmsvga-session-tty2-service.pid
Downloads   sample.java    Videos
.gnupg      snap          .vim
HelloWorld.class .ssh          .viminfo
'jdk password' Templates
kunal@kunalsh:~$ cd meesho/
kunal@kunalsh:~/meesho$ ls -la
.  ..  pom.xml  src
```

For compile and built

```
kunal@kunalsh:~/meesho$ mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.meesho:meesho >-----
[INFO] Building meesho 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
```

```
[INFO] T E S T S
[INFO] -----
-
[INFO] Running com.meesho.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time
elapsed: 0.021 s -- in com.meesho.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ meesho ---
```

```
[INFO] --- install:3.1.1:install (default-install) @ meesho -
--
[INFO] Installing /home/kunal/meesho/pom.xml to /home/kunal/.
m2/repository/com/meesho/meesho/1.0-SNAPSHOT/meesho-1.0-SNAPS
HOT.pom
[INFO] Installing /home/kunal/meesho/target/meesho-1.0-SNAPSH
OT.jar to /home/kunal/.m2/repository/com/meesho/meesho/1.0-SN
APSHOT/meesho-1.0-SNAPSHOT.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 23.940 s
[INFO] Finished at: 2023-10-26T12:52:05+05:30
[INFO] -----
```

```
kunal@kunalsh:~/meesho$ ls -a
.  ..  pom.xml  src  target
kunal@kunalsh:~/meesho$ cd target/
kunal@kunalsh:~/meesho/target$ ls -a
.  ..  generated-test-sources  surefire-reports
.  ..  maven-archiver         test-classes
classes  maven-status
generated-sources  meesho-1.0-SNAPSHOT.jar
```

Project convert into repository

```
kunal@kunalsh:~$ cd meesho/
kunal@kunalsh:~/meesho$ ls -a
.  ..  pom.xml  src  target
kunal@kunalsh:~/meesho$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/kunal/meesho/.git/
kunal@kunalsh:~/meesho$ git add .
kunal@kunalsh:~/meesho$ git commit -m "msg"
[master (root-commit) 0380e70] msg
```

Create repository meesho on git hub and copy url

```
kunal@kunalsh:~/meesho$ git remote add meesho https://github.com/Kunalshiwarkar/meesho.git
kunal@kunalsh:~/meesho$ git remote -v
meesho  https://github.com/Kunalshiwarkar/meesho.git (fetch)
meesho  https://github.com/Kunalshiwarkar/meesho.git (push)
kunal@kunalsh:~/meesho$ git log
commit 0380e70383bfe2bd5541fe6f950cfefbc1ca57f54 (HEAD -> master)
Author: kunal <kunal@kunalsh.myguest.virtualbox.org>
Date:   Fri Oct 27 18:20:57 2023 +0530

    msg
kunal@kunalsh:~/meesho$ git push meesho
Username for 'https://github.com': Kunalshiwarkar
Password for 'https://Kunalshiwarkar@github.com':
Enumerating objects: 39, done.
Counting objects: 100% (39/39), done.
Compressing objects: 100% (19/19), done.
Writing objects: 100% (39/39), 5.80 KiB | 5.80 MiB/s, done.
Total 39 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Kunalshiwarkar/meesho.git
 * [new branch]      master -> master
```



meesho

Public



Pin



Unwatch



master



1 branch



0 tags

Go to file

Add file



Code

kunal msg

0380e70 3 minutes ago



1 commit



src

msg

3 minutes ago



target

msg

3 minutes ago

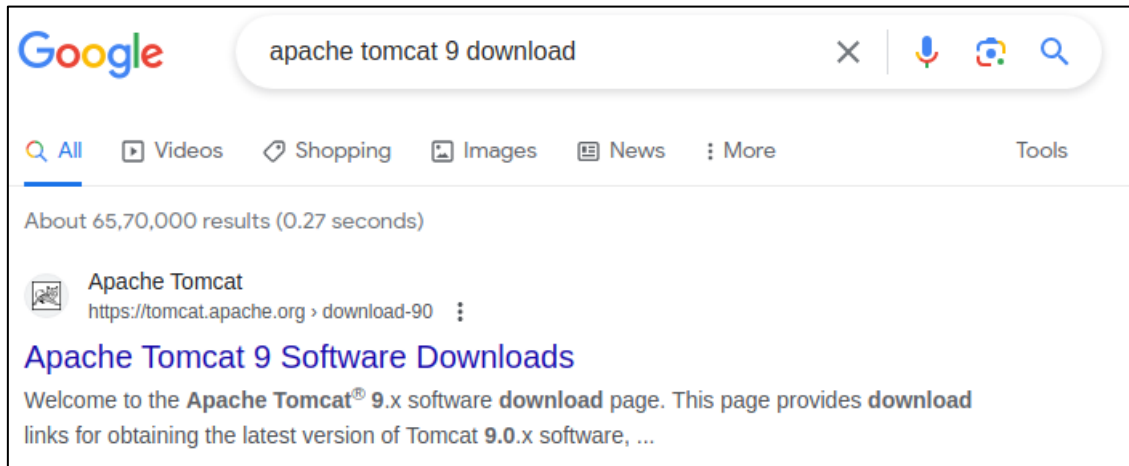


pom.xml

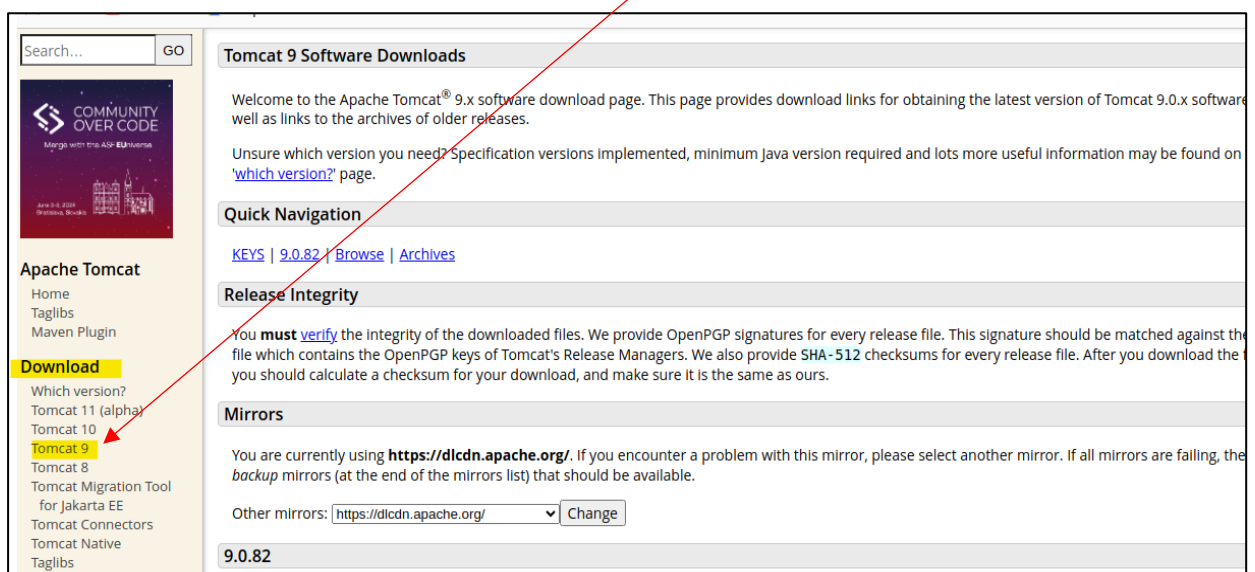
msg

3 minutes ago

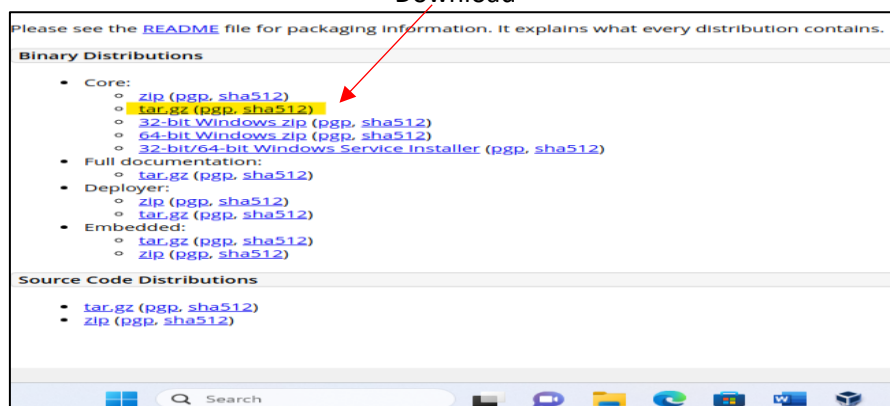
How to install apache tomcat9 download



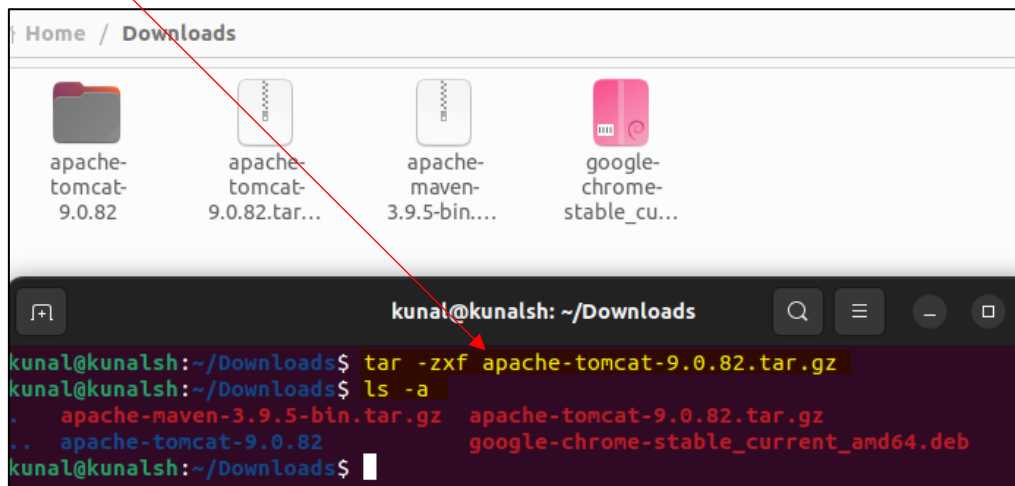
Download tomcat-9



Download

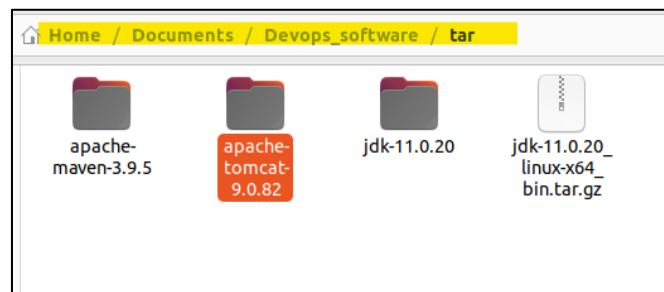


Now extract tar file



A terminal window titled 'kunal@kunalsh: ~/Downloads' showing the execution of two commands. The first command is `tar -zxvf apache-tomcat-9.0.82.tar.gz` and the second is `ls -a`. The output of `ls -a` lists several files in the directory, including `apache-maven-3.9.5-bin.tar.gz`, `apache-tomcat-9.0.82`, and `google-chrome-stable_current_amd64.deb`. A red arrow points from the text 'Now extract tar file' to the `tar` command in the terminal.

```
kunal@kunalsh:~/Downloads$ tar -zxvf apache-tomcat-9.0.82.tar.gz
kunal@kunalsh:~/Downloads$ ls -a
.      apache-maven-3.9.5-bin.tar.gz  apache-tomcat-9.0.82  google-chrome-stable_current_amd64.deb
..     apache-tomcat-9.0.82
kunal@kunalsh:~/Downloads$
```



Create Maven web application project in our created directory using below command.

```
$ mvn archetype:generate -DgroupId=com.CICD -DartifactId=CICD -Dversion=1.0-SNAPSHOT
  - DinteractiveMode=false -DarchetypeArtifactId=maven-archetype-webapp
```

=> archetype:generate - this is generating maven project.
=> DgroupId - this is package name.
=> DartifactId - this is project name.
=> Dversion - this is version.
=> DinteractiveMode - keep always interactive mode is on false.
(Note :- Here project name is CICD)

#

After go to the project directory
\$ cd projectName/

#

After entering project directory Build the application using below Maven command
\$ mvn install

#

After mvn install target folder is creating in project folder in this folder Check final artifact i.e
CICD.war file in target directory
(For ex. (pom.xml src target) like this)
\$ ls target

#

Then Prepare tomcat for deployments / installation

- Download tomcat tar.gz file from apache.org site THEN

- Extract it. THEN

- Make sure JAVA_HOME and M2_HOME environment variable is set in .bashrc file.

#

Then copy CICD.war file from target folder to tomcat webapps folder means, (Deploy CICD.war into tomcat web app).

\$ cp CICD.war \$TOMCAT_HOME/webapps

#

Start tomcat server

\$ \$TOMCAT_HOME/bin/./startup.sh

Stop tomcat server

\$ \$TOMCAT_HOME/bin/./shutdown.sh

#

Launch application with below URL.

http://localhost or system-IP:8080/CICD

[http://tomcat_server_name:8080/warfilename]

#

find IP using below command

\$ hostname -i

This is path

```
kunal@kunalsh:~/Documents/Devops_software/tar$ ls -a
.  apache-maven-3.9.5  jdk-11.0.20
.. apache-tomcat-9.0.82 jdk-11.0.20_linux-x64_bin.tar.gz
kunal@kunalsh:~/Documents/Devops_software/tar$ cd apache-tomcat-9.0.82/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$ pwd
/home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$
```

Now webapp project start

```
kunal@kunalsh:~$ mvn archetype:generate -DgroupId=com.Plasto -DartifactId=Plasto -Dversion=1.0-SNAPSHOT -DinteractiveMode=false -DarchetypeArtifactId=maven-archetype-webapp
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
```

```
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-webapp/1.0/maven-archetype-webapp-1.0.jar (3.9 kB at 37 kB/s)
[INFO] -----
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-webapp:1.0
[INFO] -----
[INFO] Parameter: basedir, Value: /home/kunal
[INFO] Parameter: package, Value: com.Plasto
[INFO] Parameter: groupId, Value: com.Plasto
[INFO] Parameter: artifactId, Value: Plasto
[INFO] Parameter: packageName, Value: com.Plasto
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: /home/kunal/Plasto
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 8.570 s
[INFO] Finished at: 2023-10-27T16:08:18+05:30
[INFO] -----
```

```
kunal@kunalsh:~$ cd Plasto/
kunal@kunalsh:~/Plasto$ mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.Plasto:Plasto >-----
```

```
24 kB/s)
--- resources:3.3.1:resources (default-resources) @ Plasto ---
[NG] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
Copying 0 resource from src/main/resources to target/classes

--- compiler:3.11.0:compile (default-compile) @ Plasto ---
No sources to compile

--- resources:3.3.1:testResources (default-testResources) @ Plasto ---
[NG] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
skip non existing resourceDirectory /home/kunal/Plasto/src/test/resources

--- compiler:3.11.0:testCompile (default-testCompile) @ Plasto ---
No sources to compile

--- surefire:3.1.2:test (default-test) @ Plasto ---
No tests to run.
```

```
--- install:3.1.1:install (default-install) @ Plasto ---
Installing /home/kunal/Plasto/pom.xml to /home/kunal/.m2/repository/com/Plasto/Plasto/1.0-SNAPSHOT/Plasto-1.0-SNAPSHOT.pom
Installing /home/kunal/Plasto/target/Plasto.war to /home/kunal/.m2/repository/com/Plasto/Plasto/1.0-SNAPSHOT/Plasto-1.0-SNAPSHOT.war
-----
BUILD SUCCESS
-----
Total time: 10.615 s
Finished at: 2023-10-27T16:12:56+05:30
-----
```

```
kunal@kunalsh:~/Plasto$ cd target/
kunal@kunalsh:~/Plasto/target$ ls -a
. .. classes maven-archiver Plasto Plasto.war
kunal@kunalsh:~/Plasto/target$ cd
```

```
kunal@kunalsh:~$ cd Documents/
kunal@kunalsh:~/Documents$ cd Devops_software/
kunal@kunalsh:~/Documents/Devops_software$ cd tar/
kunal@kunalsh:~/Documents/Devops_software/tar$ cd apache-tomcat-9.0.82/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$ ls -a
. .. bin BUILDING.txt conf CONTRIBUTING.md lib LICENSE logs NOTICE README.md RELEASE-NOTES RUNNING.txt temp webapps work
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$ cd webapps/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/webapps$ pwd
/home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/webapps
```

```
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/webapps$ cd
kunal@kunalsh:~$ cd Plasto/
kunal@kunalsh:~/Plasto$ ls -a
. .. pom.xml src target
kunal@kunalsh:~/Plasto$ cd target/
kunal@kunalsh:~/Plasto/target$ ls -a
. .. classes maven-archiver Plasto Plasto.war
kunal@kunalsh:~/Plasto/target$ cp Plasto.war /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/webapps
kunal@kunalsh:~/Plasto/target$ cd
```

Path

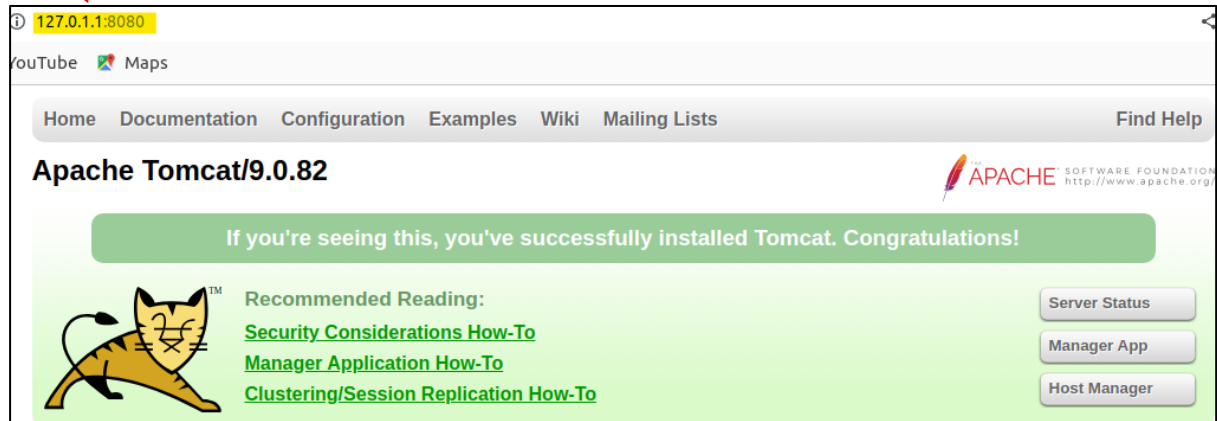
```
kunal@kunalsh:~$ cd Documents/
kunal@kunalsh:~/Documents$ cd Devops_software/
kunal@kunalsh:~/Documents/Devops_software$ cd tar/
kunal@kunalsh:~/Documents/Devops_software/tar$ cd apache-
bash: cd: apache-: No such file or directory
kunal@kunalsh:~/Documents/Devops_software/tar$ cd apache-tomcat-9.0.82/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$ cd webapps/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/webapps$ ls -a
. .. docs examples host-manager manager Plasto.war ROOT
```

```
kunal@kunalsh:~$ cd Documents/
kunal@kunalsh:~/Documents$ cd Devops_software/
kunal@kunalsh:~/Documents/Devops_software$ cd tar/
kunal@kunalsh:~/Documents/Devops_software/tar$ cd apache-tomcat-9.0.82/
```

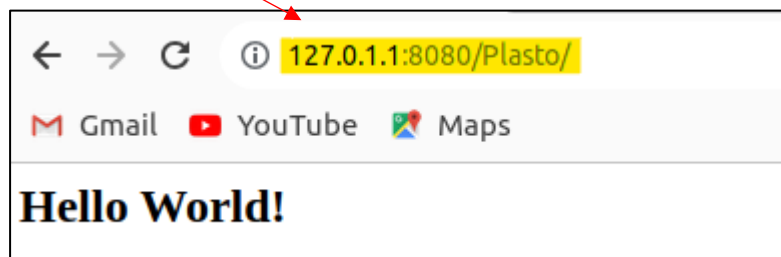
```
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82$ cd bin/
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin$ ./startup.sh
Using CATALINA_BASE:   /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82
Using CATALINA_HOME:   /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82
Using CATALINA_TMPDIR: /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/temp
Using JRE_HOME:        /home/kunal/Documents/Devops_software/tar/jdk-11.0.20
Using CLASSPATH:       /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin/bootstrap.jar:/home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
```



```
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin$ ls -la
total 120
-rw-rw-r-- 1 kunal kunal 1024 Aug 10 10:00 catalina-tasks.xml
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 ciphers.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 ciphers.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 commons-daemon.jar
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 commons-daemon-native.tar.gz
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 configtest.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 configtest.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 daemon.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 digest.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 digest.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 makebase.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 makebase.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 setclasspath.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 setclasspath.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 shutdown.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 shutdown.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 startup.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 startup.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 tomcat-juli.jar
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 tomcat-native.tar.gz
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 tool-wrapper.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 tool-wrapper.sh
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 version.bat
-rw-rw-r-- 1 kunal kunal  128 Aug 10 10:00 version.sh
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin$ hostname -i
127.0.1.1
```



127.0.1.1:8080/Plasto



For close tomcat

```
kunal@kunalsh:~/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin$ ./shutdown.sh
Using CATALINA_BASE:   /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82
Using CATALINA_HOME:   /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82
Using CATALINA_TMPDIR: /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/temp
Using JRE_HOME:        /home/kunal/Documents/Devops_software/tar/jdk-11.0.20
Using CLASSPATH:       /home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin/bootstrap.jar:/home/kunal/Documents/Devops_software/tar/apache-tomcat-9.0.82/bin/tomcat-juli.jar
Using CATALINA_OPTS:
NOTE: Picked up JDK_JAVA_OPTIONS:  --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java.base/java.util=ALL-UNNAMED --add-opens=java.base/java.util.concurrent=ALL-UNNAMED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED
```

Now create folder convert into repository

Owner * / Repository name *

☒ Plasto is available.

Great repository names are short and memorable. Need inspiration? How about shiny-goggles ?

Description (optional)

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Quick setup — if you've done this kind of thing before

or

HTTPS

SSH

`https://github.com/Kunalshiwarkar/Plasto.git`

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a

```
kunal@kunalsh:~$ cd Plasto/
kunal@kunalsh:~/Plasto$ ls -a
.  ..  pom.xml  src  target
kunal@kunalsh:~/Plasto$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/kunal/Plasto/.git/
```


```
kunal@kunalsh:~/Plasto$ ls -a
.  ..  .git  pom.xml  src  target
kunal@kunalsh:~/Plasto$ cd .git
kunal@kunalsh:~/Plasto/.git$ cd ..
kunal@kunalsh:~/Plasto$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    pom.xml
    src/
    target/

nothing added to commit but untracked files present (use "git add" to track)
kunal@kunalsh:~/Plasto$ git add .
kunal@kunalsh:~/Plasto$ git commit -m "nsg"
```




```
kunal@kunalsh:~/Plasto$ git status
On branch master
nothing to commit, working tree clean
kunal@kunalsh:~/Plasto$ git
ginstall-info      gio-querymodules  git                git-shell          git-upload-pack
gio                gipdecode         git-receive-pack  git-upload-archive
kunal@kunalsh:~/Plasto$ git remote add Plasto https://github.com/Kunalshiwarkar/Plasto.git
kunal@kunalsh:~/Plasto$ git remote -v
Plasto  https://github.com/Kunalshiwarkar/Plasto.git (fetch)
Plasto  https://github.com/Kunalshiwarkar/Plasto.git (push)
kunal@kunalsh:~/Plasto$ git push Plasto
Username for 'https://github.com': Kunalshiwarkar
Password for 'https://Kunalshiwarkar@github.com':
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (13/13), 2.23 KiB | 2.23 MiB/s, done.
Total 13 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Kunalshiwarkar/Plasto.git
 * [new branch]      master -> master
```

 **Plasto** Public

Pin Unwatch

master 1 branch 0 tags Go to file Add file Code

kunal nsg 05a524d 13 minutes ago 1 commit

 src/main/webapp	nsg	13 minutes ago
 target	nsg	13 minutes ago
 pom.xml	nsg	13 minutes ago