

## Jenkins Installation on local computer

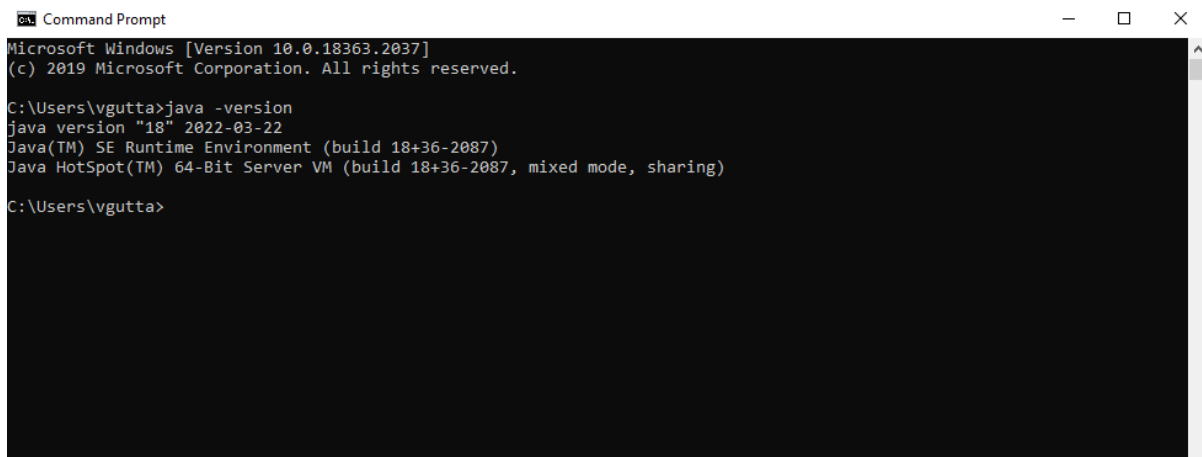
### Step 1:

Ensure java jdk is available in the system

Go to cmd prompt and check java is available or not

Run the command

Java -version



```
Microsoft Windows [Version 10.0.18363.2037]
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C:\Users\vgutta>java -version
java version "18" 2022-03-22
Java(TM) SE Runtime Environment (build 18+36-2087)
Java HotSpot(TM) 64-Bit Server VM (build 18+36-2087, mixed mode, sharing)

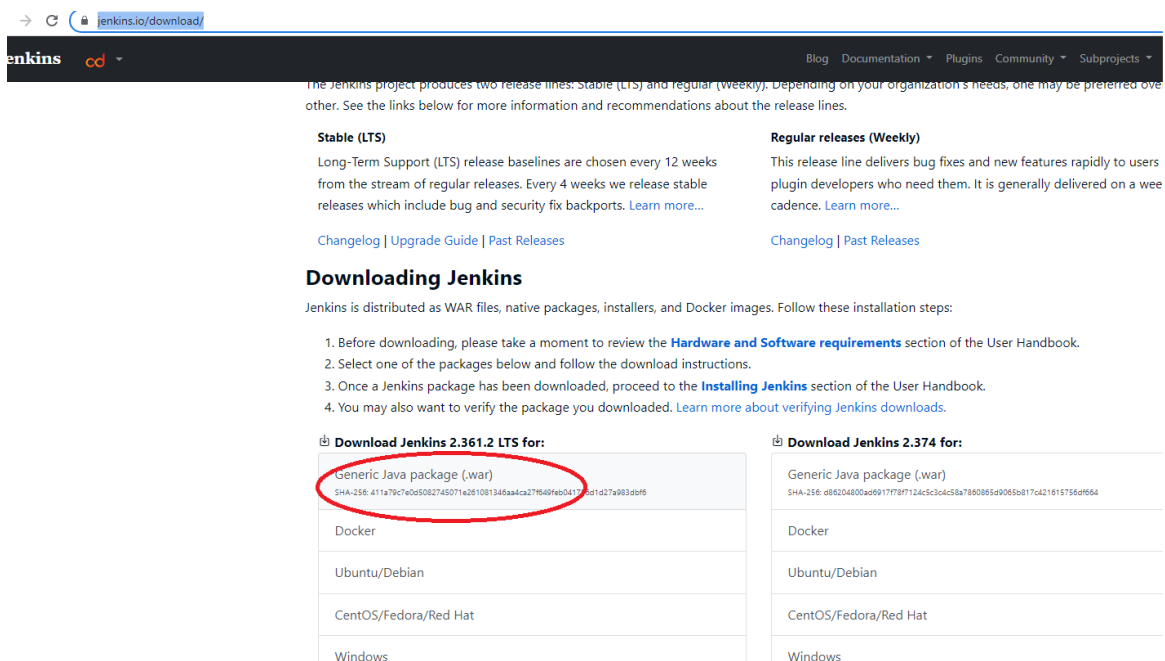
C:\Users\vgutta>
```

If display the version like above, fine else “Download and install java jdk 17 or 18 latest versions”

“you can get java download from PlanIt portal”

### Step 2:

Go to “<https://www.jenkins.io/download/>” website and download Jenkins.war file



The screenshot shows the Jenkins download page. The browser address bar displays <https://www.jenkins.io/download/>. The page header includes the Jenkins logo and navigation links: Blog, Documentation, Plugins, Community, and Subprojects. The main content area is titled "The Jenkins project produces two release lines: Stable (LTS) and regular (weekly). Depending on your organization's needs, one may be preferred over the other. See the links below for more information and recommendations about the release lines." Below this, there are two columns of information. The left column is for "Stable (LTS)" releases, and the right column is for "Regular releases (Weekly)". Both columns provide details about the release cadence and links to the changelog and past releases. Below this, there is a section titled "Downloading Jenkins" which states that Jenkins is distributed as WAR files, native packages, installers, and Docker images. It lists four steps for downloading and installing Jenkins. At the bottom, there are two tables for downloading Jenkins. The left table is for "Download Jenkins 2.361.2 LTS for:" and the right table is for "Download Jenkins 2.374 for:". Both tables have a "Generic Java package (.war)" row, which is circled in red in the screenshot. The "Generic Java package (.war)" row for Jenkins 2.361.2 LTS has a SHA-256 hash of 411a79c7c0d5082745071e281081345aa4ca27f569f6b0417c0d1d27a983d0f6. The "Generic Java package (.war)" row for Jenkins 2.374 has a SHA-256 hash of d80204000ad9177f871124c5c3c4c58a780085d9065b817c421815756d8564. Both tables also list Docker, Ubuntu/Debian, CentOS/Fedora/Red Hat, and Windows as available download options.

Download Jenkins 2.361.2 LTS for:	
Generic Java package (.war)	SHA-256: 411a79c7c0d5082745071e281081345aa4ca27f569f6b0417c0d1d27a983d0f6
Docker	
Ubuntu/Debian	
CentOS/Fedora/Red Hat	
Windows	

Download Jenkins 2.374 for:	
Generic Java package (.war)	SHA-256: d80204000ad9177f871124c5c3c4c58a780085d9065b817c421815756d8564
Docker	
Ubuntu/Debian	
CentOS/Fedora/Red Hat	
Windows	

### Step 3:

Go to the download location where there is "Jenkins.war"

Go to CMD prompt and go to folder having Jenkins.war and run the command

```
java -jar Jenkins.war - - httpPort=7070 ( any 4 digit port number will work)
```

or

```
java -jar Jenkins.war - -httpPort=7070 --enable-future-java
```

### step4

wait till the message on the CMD prompt "Jenkins is fully up and running"

### Step 5:

Open browser and give the URL

<http://localhost:7070>

will ask for default password : give the default password which is available in  
"c:\users\<username>\jenkins\secrets\initialAdminpassword" (open the file with notepad)

next step "select install default suggested plugins"

next step enter the login details required like username, password, emailed

Next → finish.

**Good the Jenkins installation setup should be ready.**