Installing Jenkins on Windows

Hardware Requirements

Memory	2 GB RAM (Recommended)
Disk Space	We need at least 1 GB of space in our hard drive for Jenkins

Software Requirements

JDK	We need either Java Development (JDK) or Java Runtime Environment (JRE)
Operating System	Jenkins can be installed on Windows, Mac OS X, Ubuntu/Debian, Red Hat/Fedora/CentOS, openSUSE, FReeBSD, OpenBSD, Gentoo.
Java Container	The WAR (Web Application Resource) file can be run in any container that supports Servlet 2.4/JSP 2.0 or later. (For example Tomcat 5).

Release Types

Jenkins supports two types of releases based on the organization needs:

- Long-term support release
- Weekly release

Long term support release (LTS): Long-term support releases (LTS) are available every 12 weeks. They are stable and are widely used and tested. Basically, this release is intended for end users.

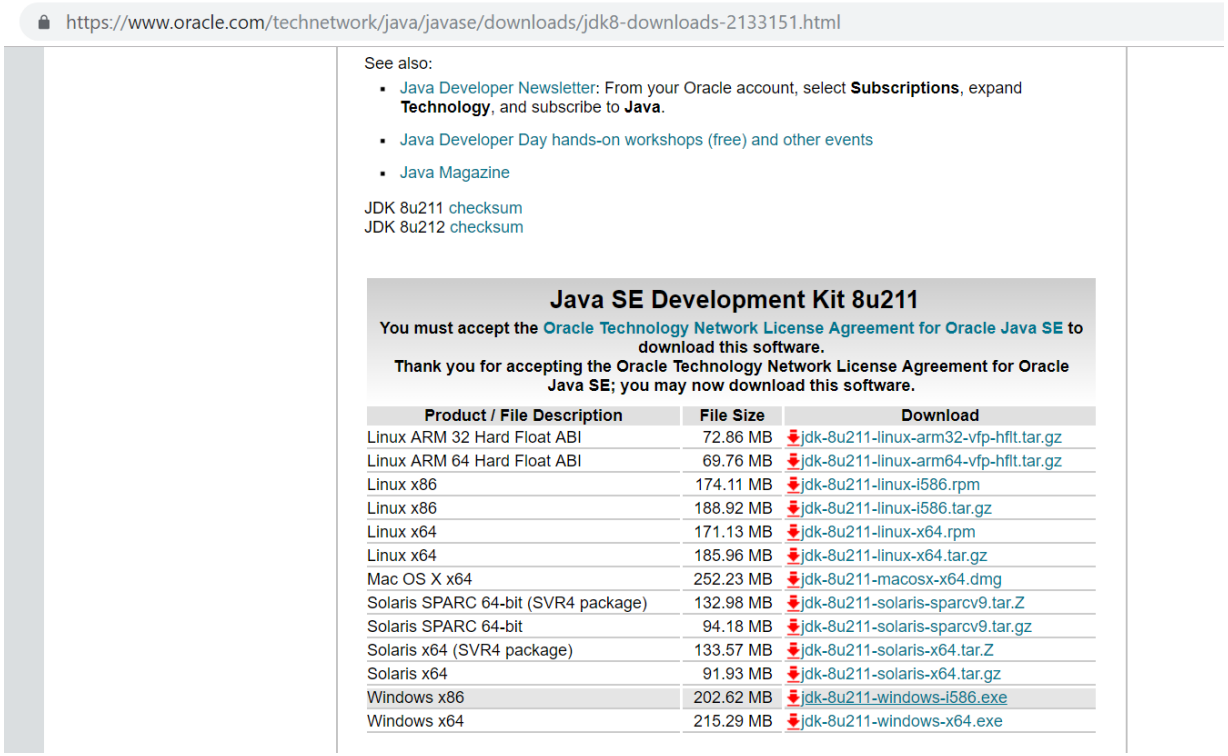
Weekly release: This release is available in every week by fixing bugs in its earlier version. These releases are intended towards plugin developers.

We will use the long term support release (LTS) though the process remains the same for Weekly release.

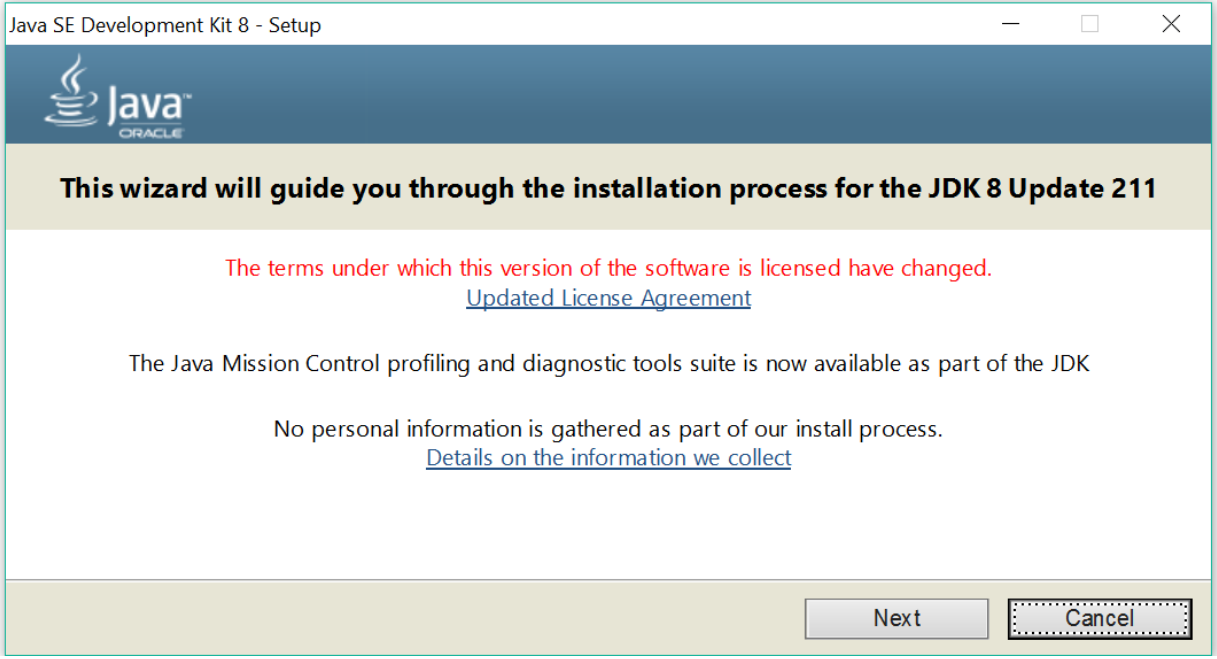
Install Java Version 8

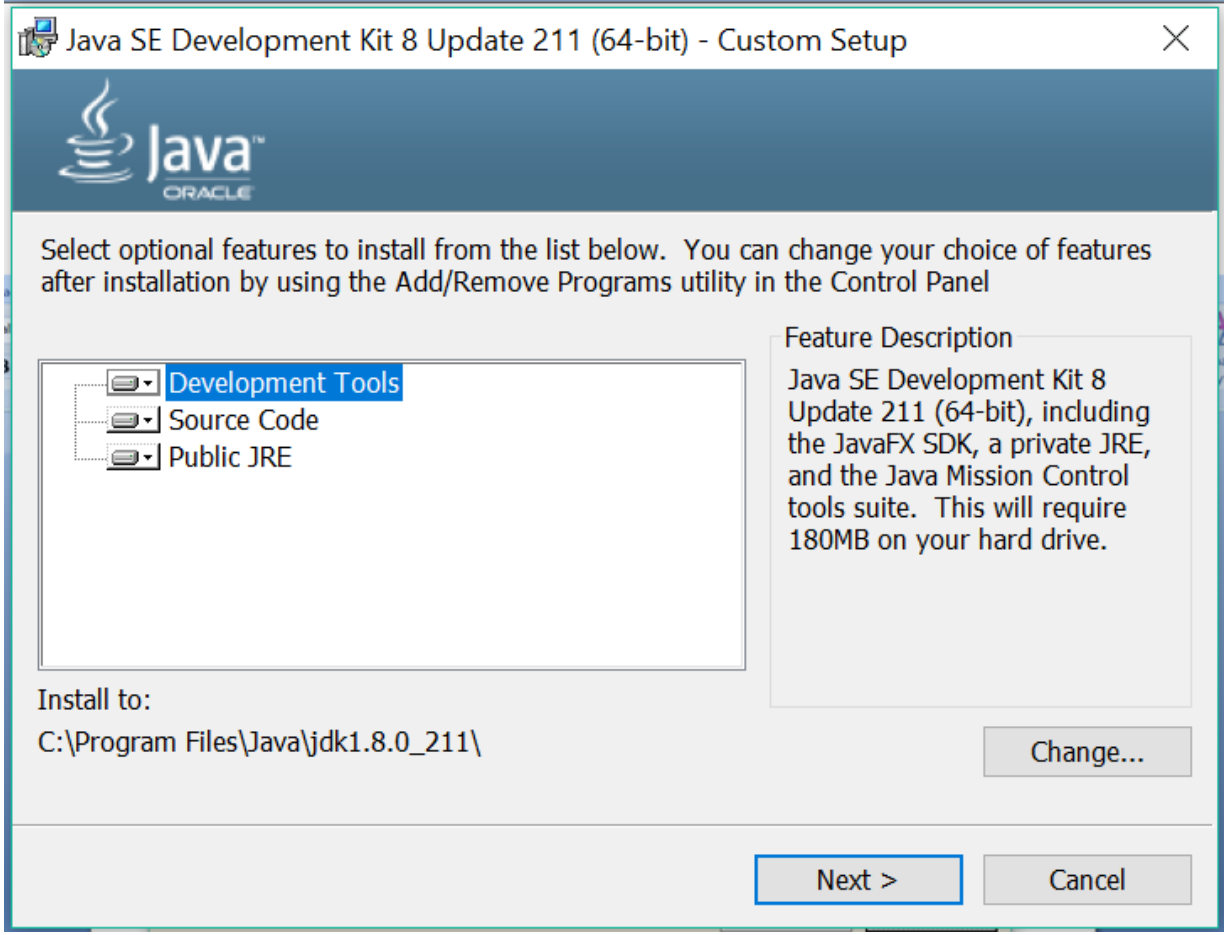
Since Jenkins is a Java based application, therefore Java is a must.

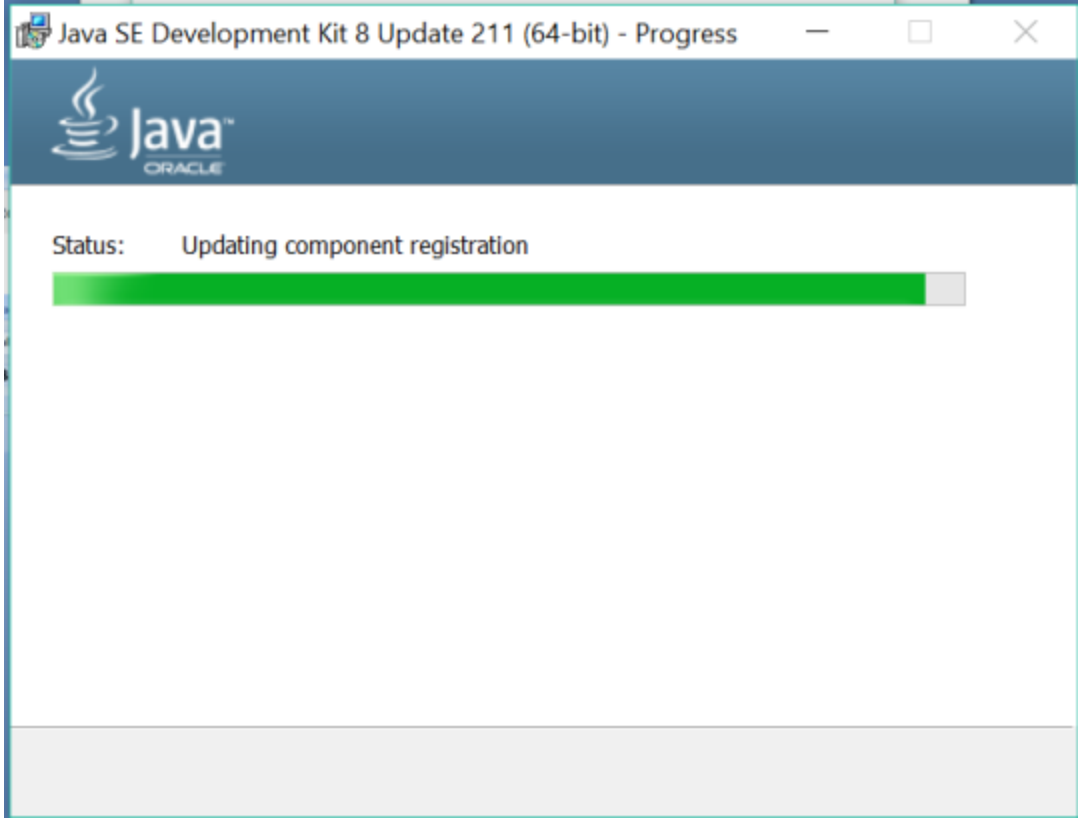
To download the Java **Click here**. Select file according to your platform.

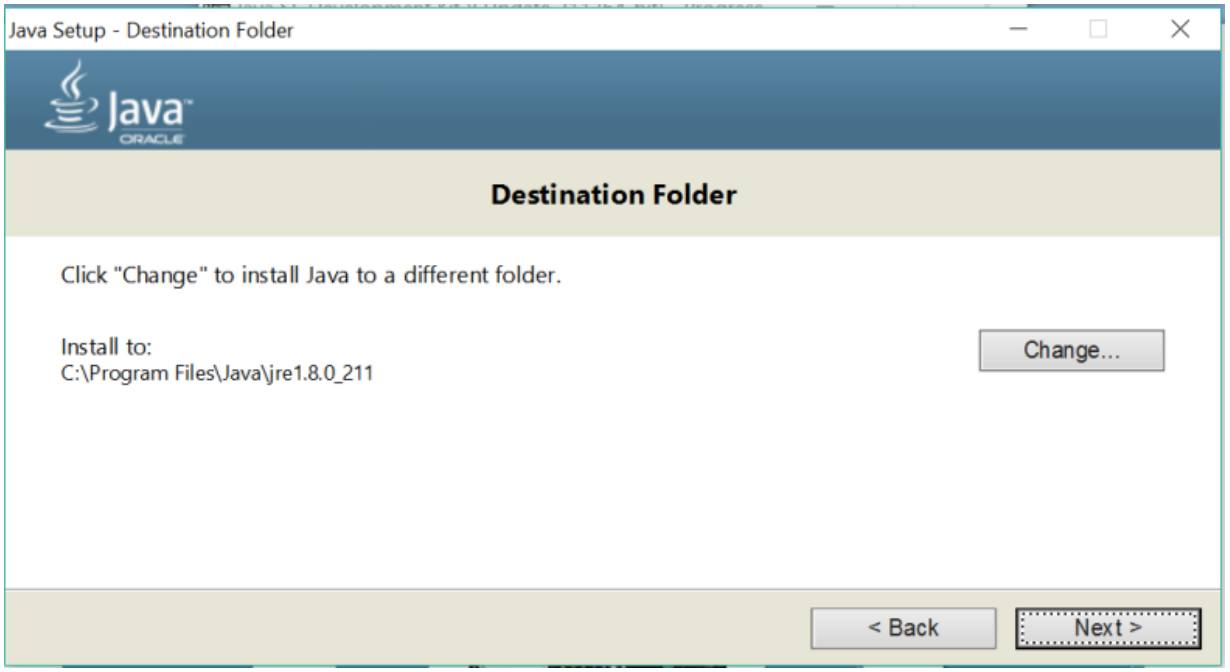


Then install the Java as follows:

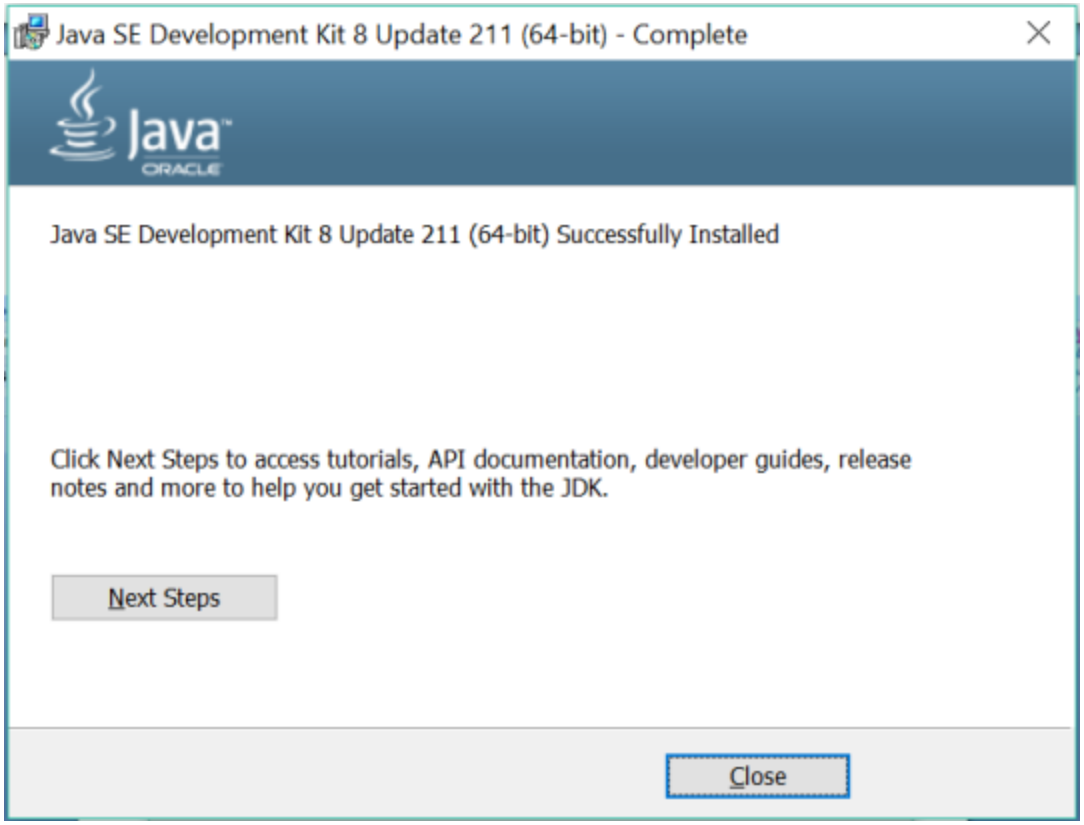

Java SE Development Kit 8 - Setup
Java
ORACLE
This wizard will guide you through the installation process for the JDK 8 Update 211
The terms under which this version of the software is licensed have changed.
Updated License Agreement
The Java Mission Control profiling and diagnostic tools suite is now available as part of the JDK
No personal information is gathered as part of our install process.
Details on the information we collect
Next
Cancel


Java SE Development Kit 8 Update 211 (64-bit) - Custom Setup
Java
ORACLE
Select optional features to install from the list below. You can change your choice of features after installation by using the Add/Remove Programs utility in the Control Panel
Development Tools
Source Code
Public JRE
Feature Description
Java SE Development Kit 8 Update 211 (64-bit), including the JavaFX SDK, a private JRE, and the Java Mission Control tools suite. This will require 180MB on your hard drive.
Install to:
C:\Program Files\Java\jdk1.8.0_211\
Change...
Next >
Cancel


Java SE Development Kit 8 Update 211 (64-bit) - Progress
Java
ORACLE
Status: Updating component registration


Java Setup - Destination Folder
Java
ORACLE
Destination Folder
Click "Change" to install Java to a different folder.
Install to:
C:\Program Files\Java\jre1.8.0_211
Change...
< Back
Next >

Java Setup - Progress
Java
ORACLE
Status: Installing Java
3 Billion
Devices Run Java
Java
#1 Development Platform
ORACLE

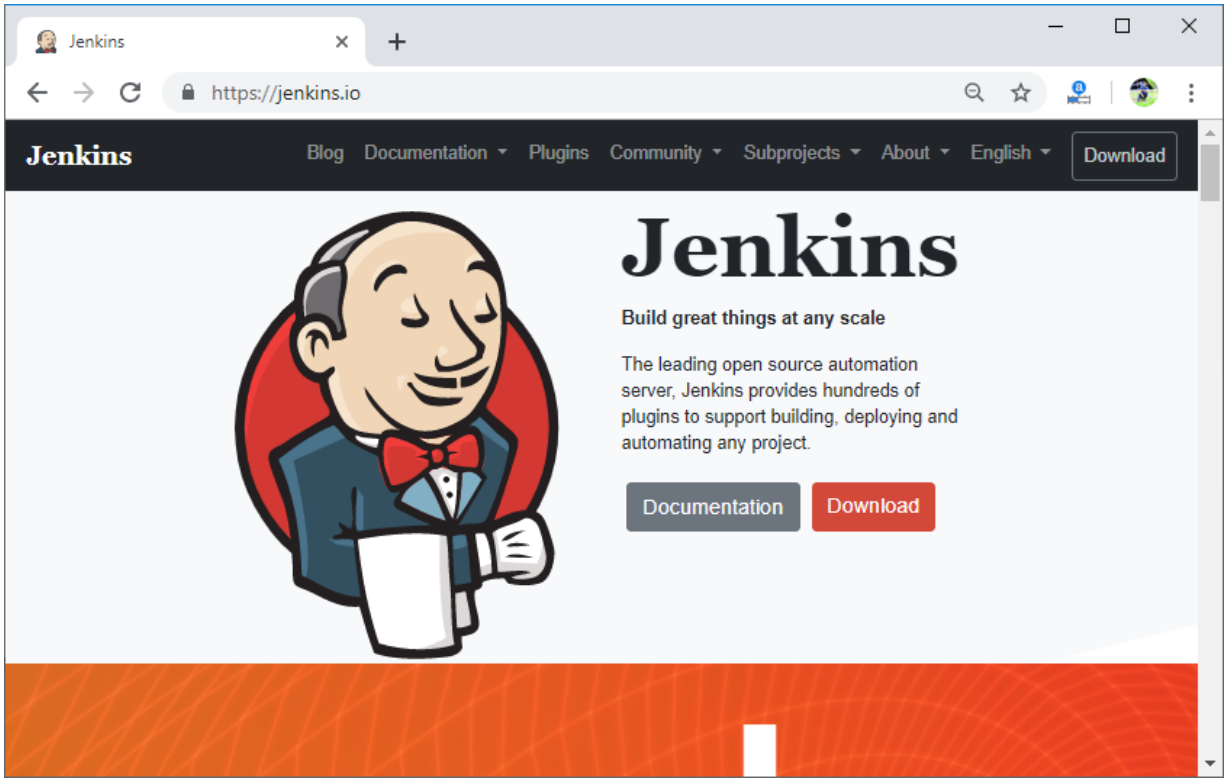

Java SE Development Kit 8 Update 211 (64-bit) - Complete
Java
ORACLE
Java SE Development Kit 8 Update 211 (64-bit) Successfully Installed
Click Next Steps to access tutorials, API documentation, developer guides, release notes and more to help you get started with the JDK.
Next Steps
Close

Download Jenkins war File

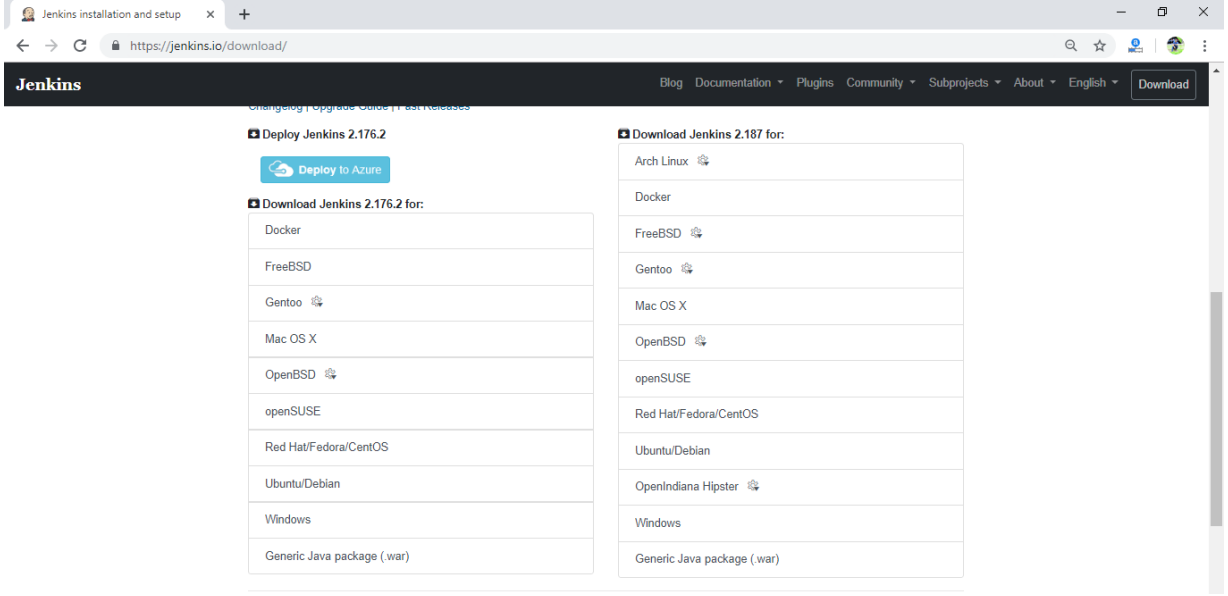
This war is required to install Jenkins.

The official website for Jenkins is https://jenkins.io/

When you click the given link, you will get the home page of the Jenkins official website as given below:



Click on the Download button.



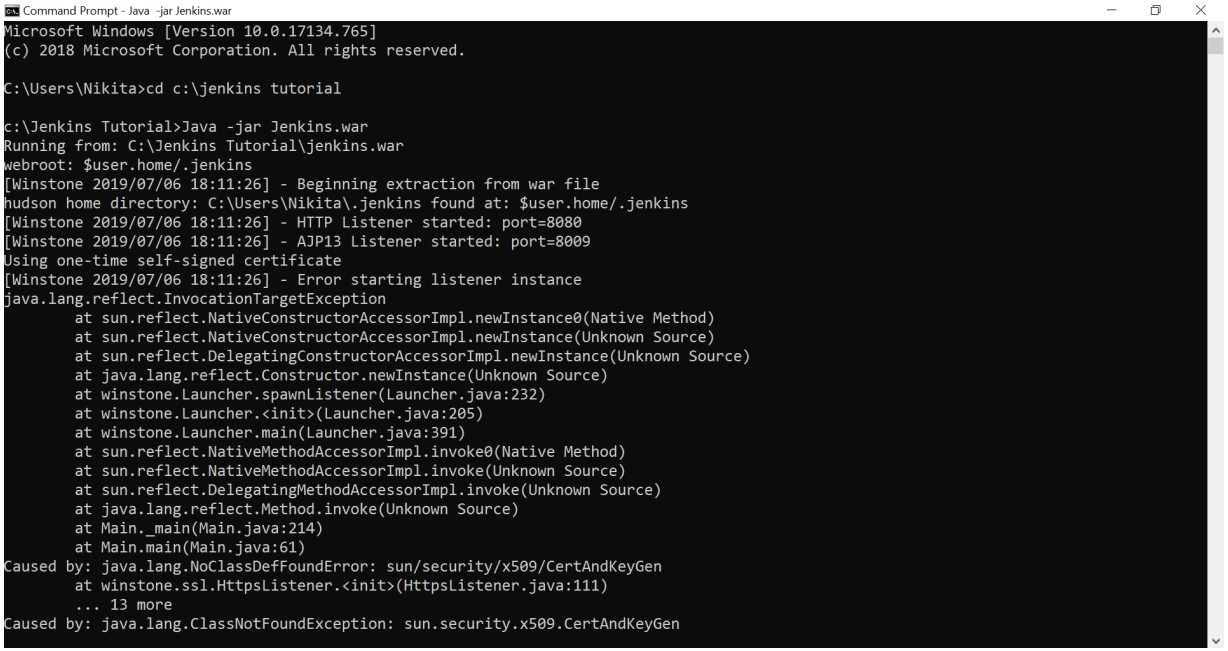
Click on Generic Java Package (.war) to download the Jenkins war file.

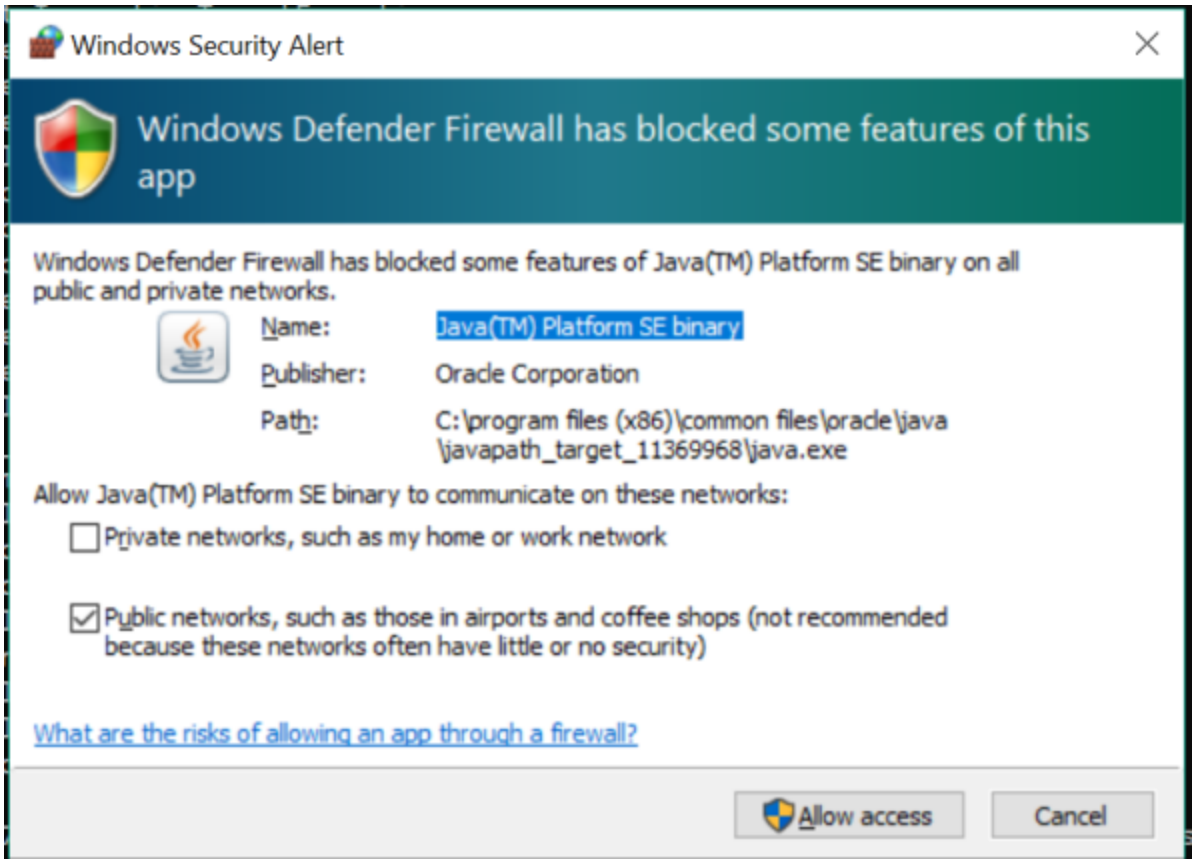
Starting Jenkins

Open the command prompt and go to the directory where the Jenkins.war file is located. And then run the following command:

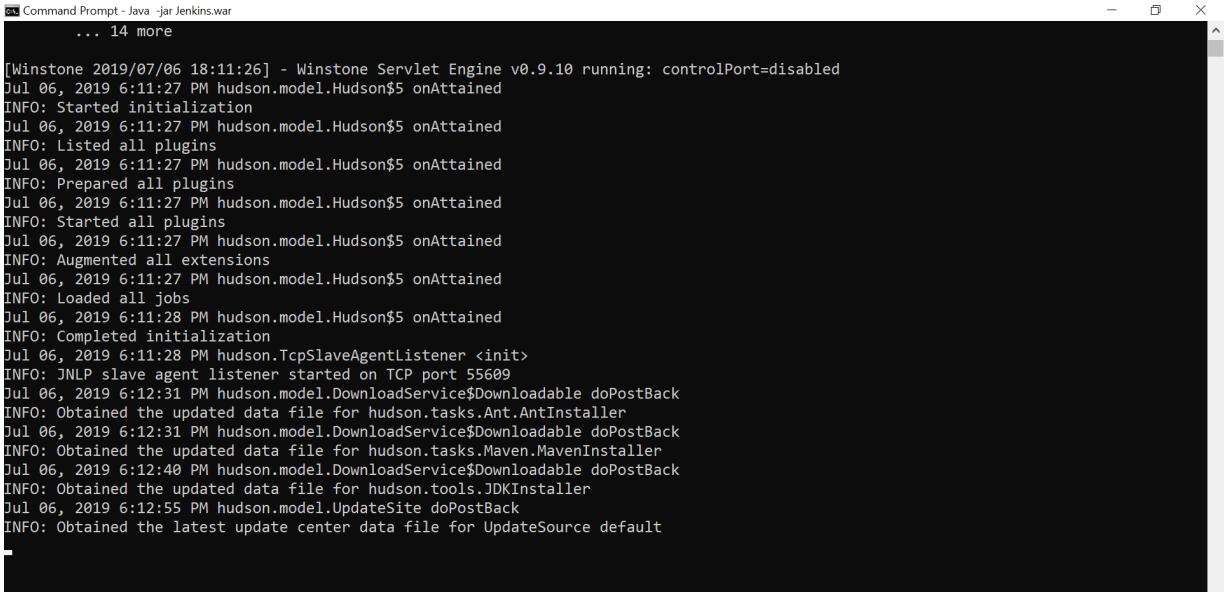
```
C:/Java -jar Jenkins.war
```

When you run this command, various tasks will run, one of which is the extraction of the war file which is done by an embedded webserver called winstone.





Click on **Allow access** button to allow the access.

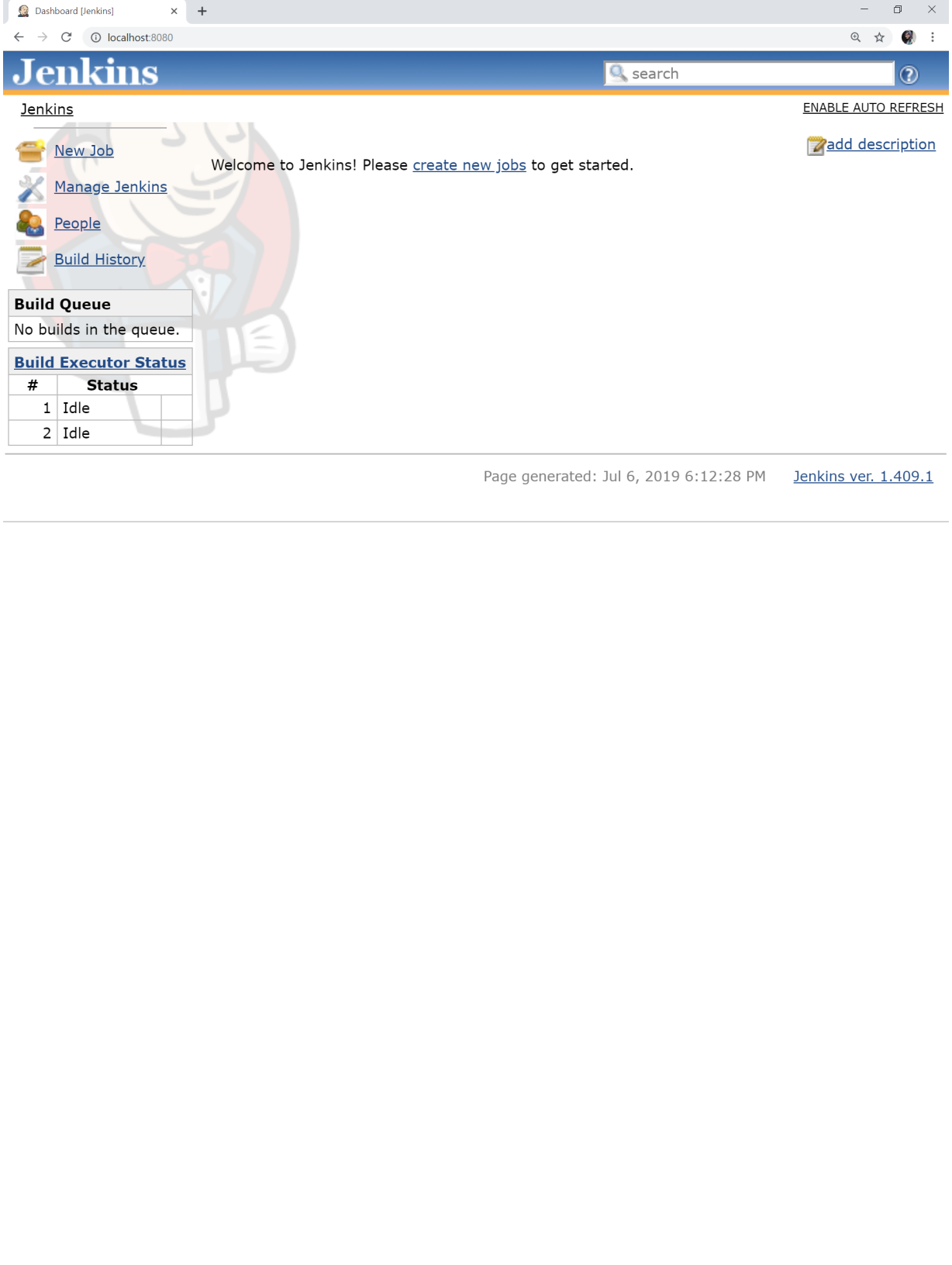


Accessing Jenkins

Now you can access the Jenkins. Open your browser and type the following url on your browser:

> http://localhost:8080

This url will bring up the Jenkins dashboard.


Dashboard [Jenkins]
localhost:8080
Jenkins
search
Jenkins
ENABLE AUTO REFRESH
New Job
Manage Jenkins
People
Build History
add description
Welcome to Jenkins! Please create new jobs to get started.
Build Queue
No builds in the queue.
Build Executor Status
Status
1 Idle
2 Idle
Page generated: Jul 6, 2019 6:12:28 PM
Jenkins ver. 1.409.1