Jenkins Installation and Configuration

And Project Configuration

**Prerequisites**

* Install java and Set environment path - Java Version (11/17)
* Install Git desktop
* Install Maven and Set environment path

Minimum hardware requirements:

* 256 MB of RAM
* 1 GB of drive space (although 10 GB is a recommended minimum if running Jenkins as a Docker container)

Recommended hardware configuration for a small team:

4 GB+ of RAM

50 GB+ of drive space

**Maven and Java Environment setup**

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Graphical user interface, text, application

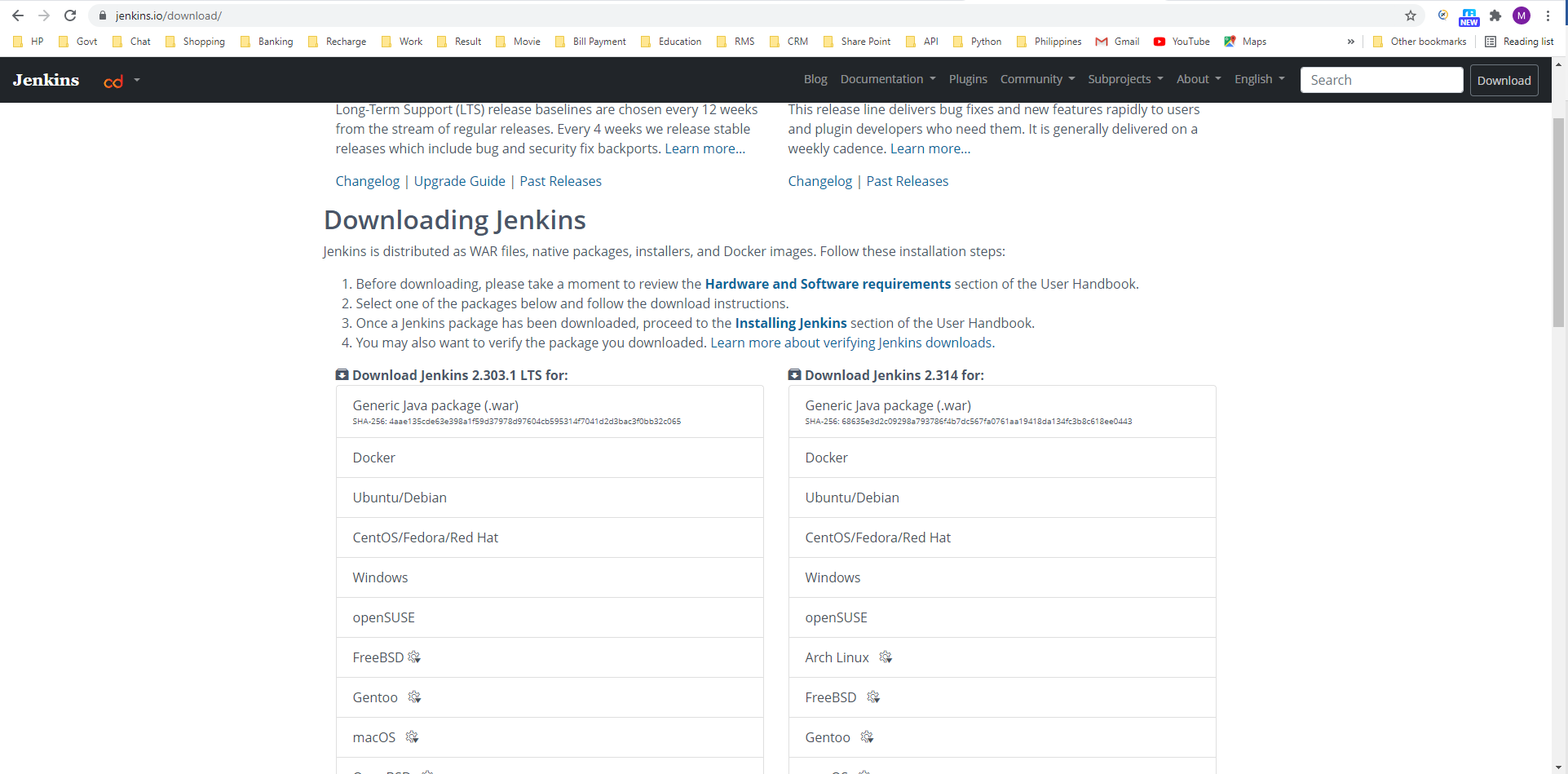
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**Jenkin Installation:**

**Download Jenkins LTS for:**

[**https://www.jenkins.io/download/**](https://www.jenkins.io/download/)

**Download the Jenkins from above link**

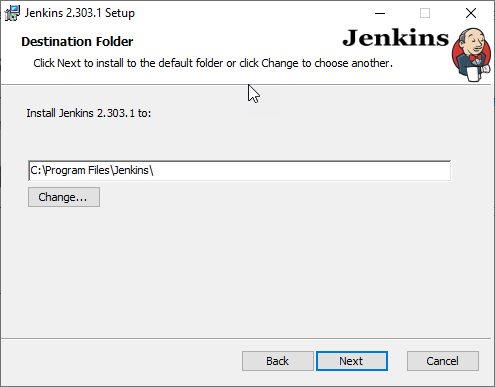


**After Download Double click to install the Jenkins**

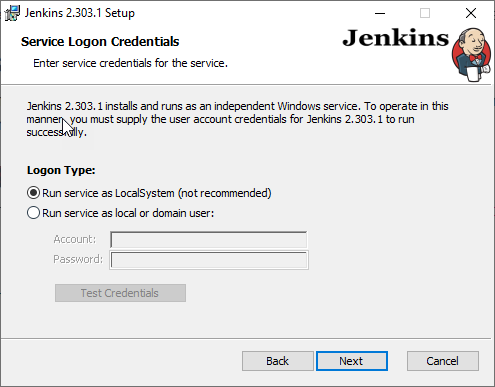
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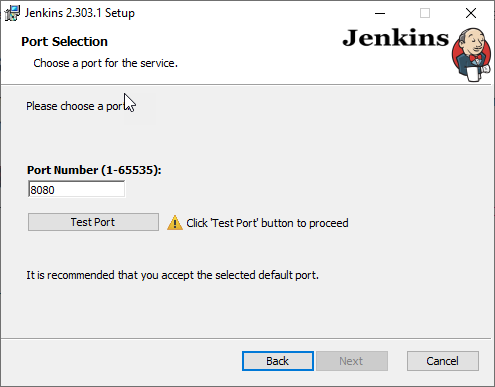
**The prompt will opens and shows the path of the Jenkins to be installed**



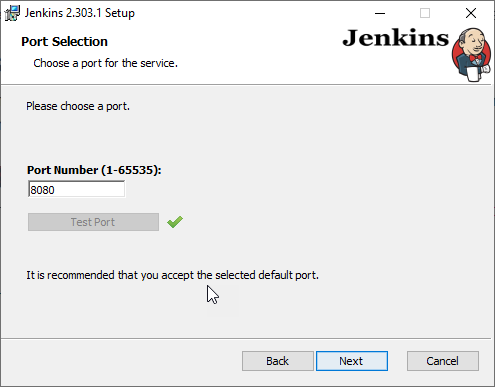
**Service Logon Prompt will open click on Run Service as Local System**



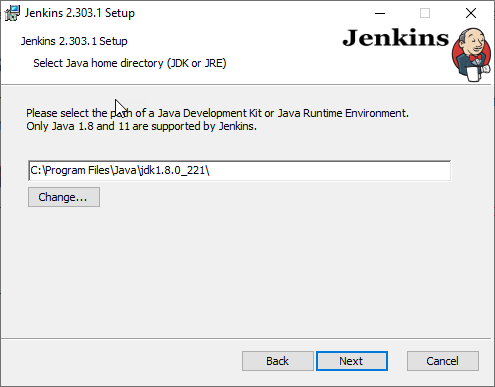
**Port selection port will open select your desire port and click test port**

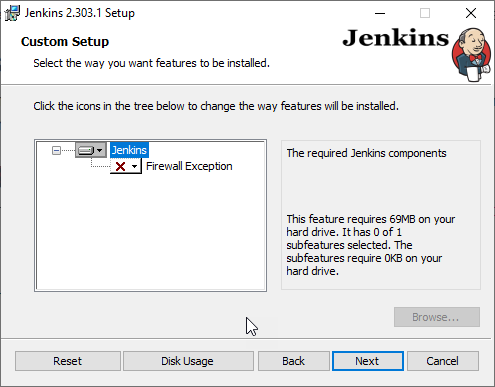


**If the port is available, the tick mark will display as green**

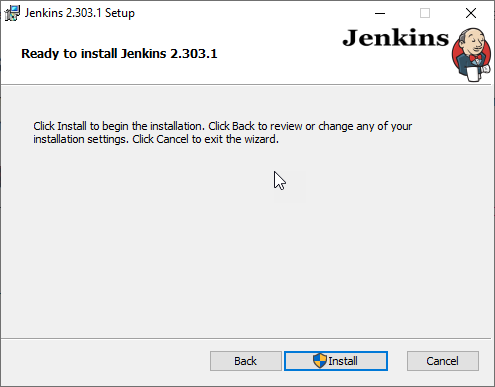


**Then the next prompt opens with the java installation path ensure the path of the jdk is correct**



**if Jenkins shortcut required select from the fire wall exception and click next**

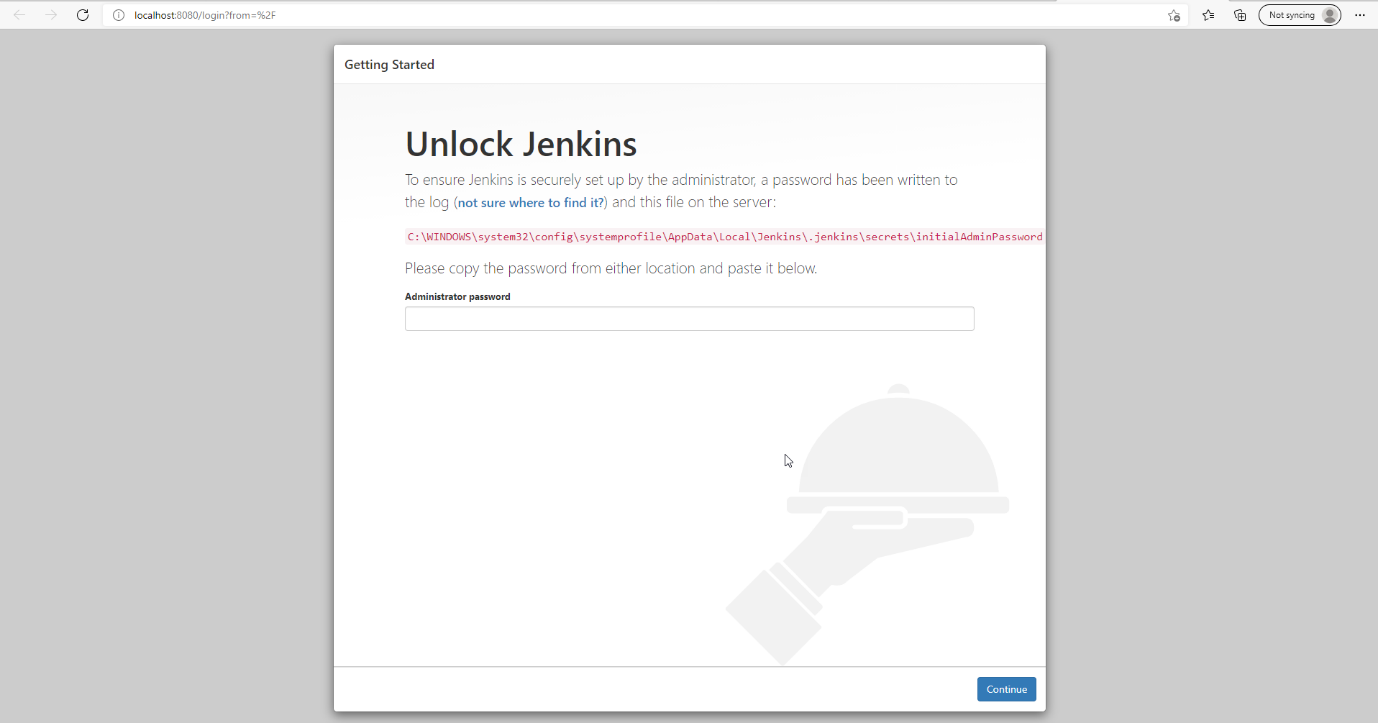
**Click install to install Jenkins**

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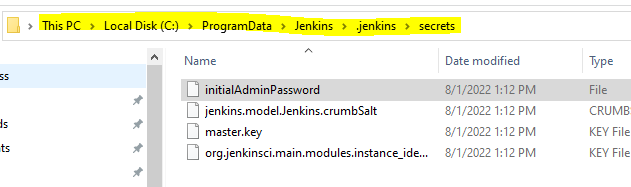
**Once after installed the finish prompt opens click on finish**

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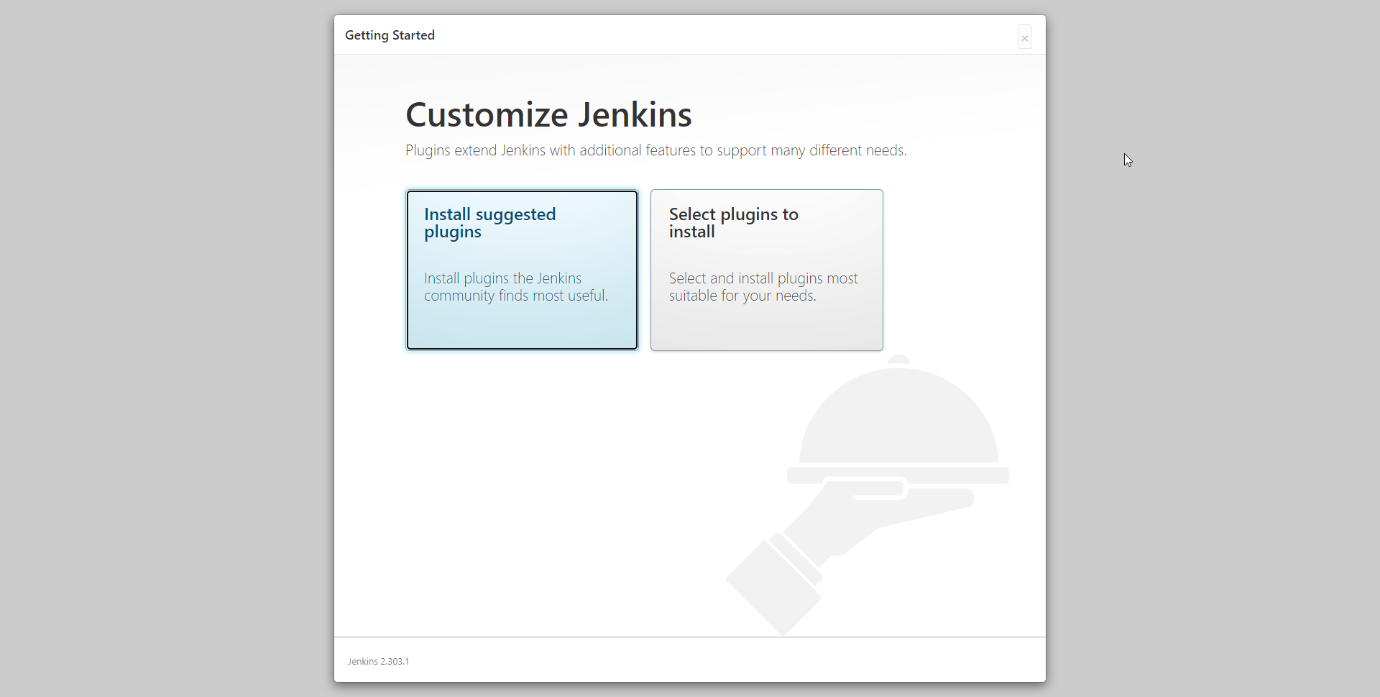
**After click on finish unlock Jenkins prompt will open from the mentioned path in the prompt admin password will be available**

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**Copy the password from the initialAdminPassword and enter in the unlock Jenkins prompt**

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**Then install suggested plugins in the customize Jenkins prompt**

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**Plugin’s need to install initially**

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**Graphical user interface, text, application, email

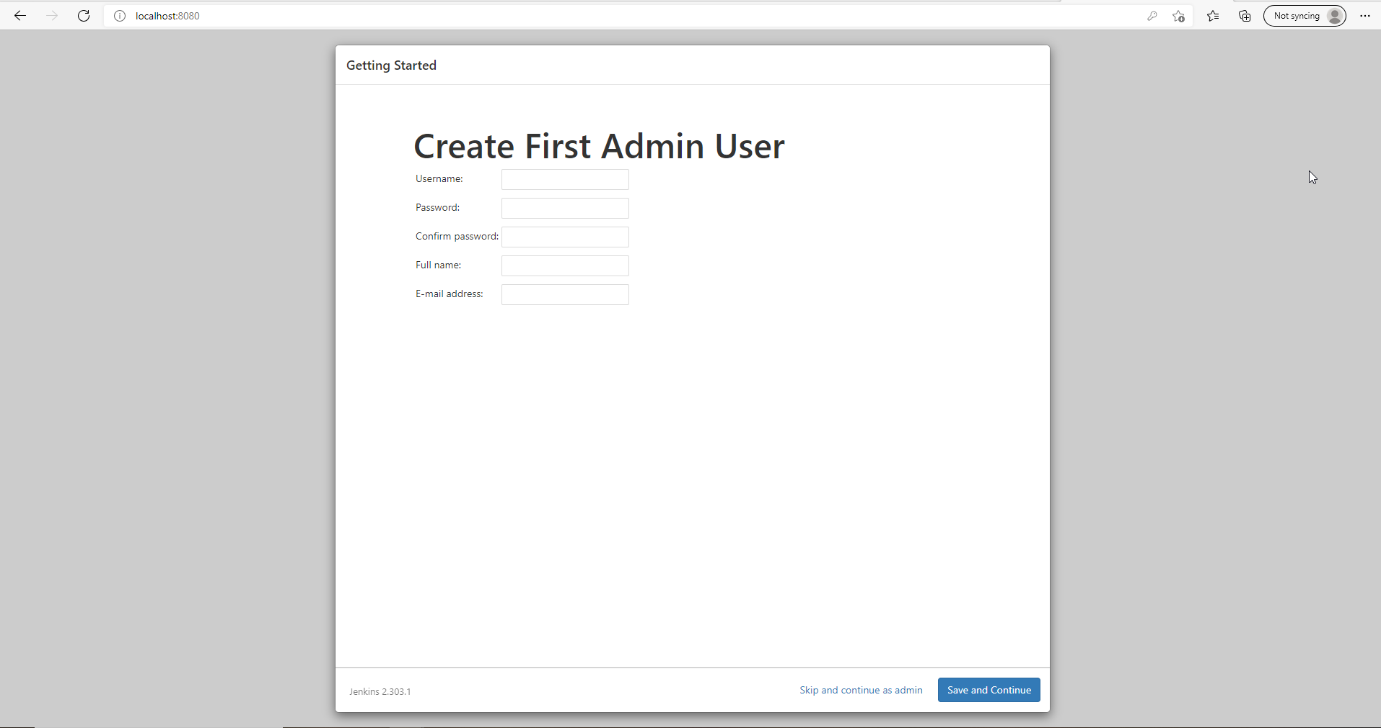
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**After selecting click Install and installation starts as shown**

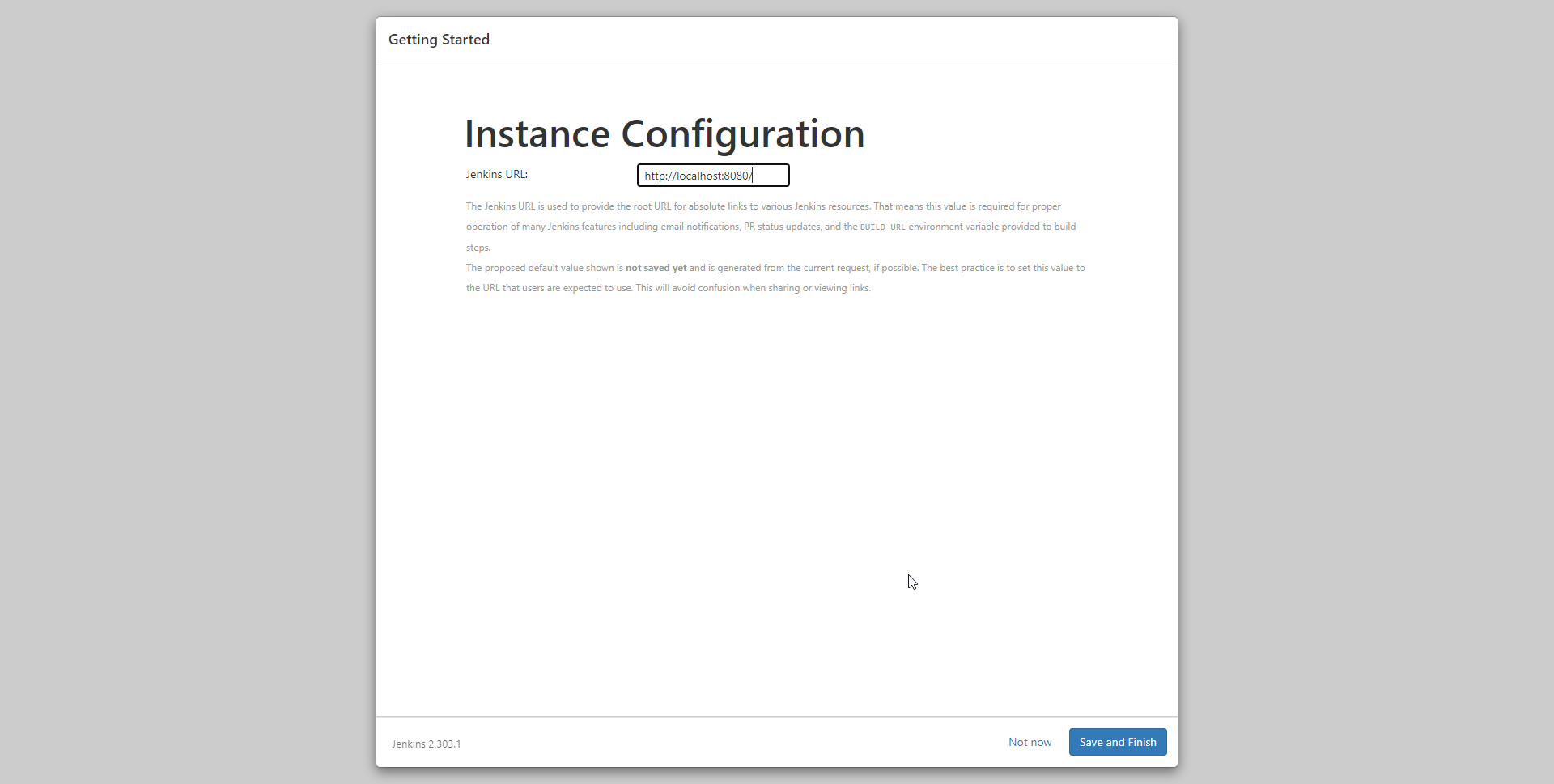
**Graphical user interface, application

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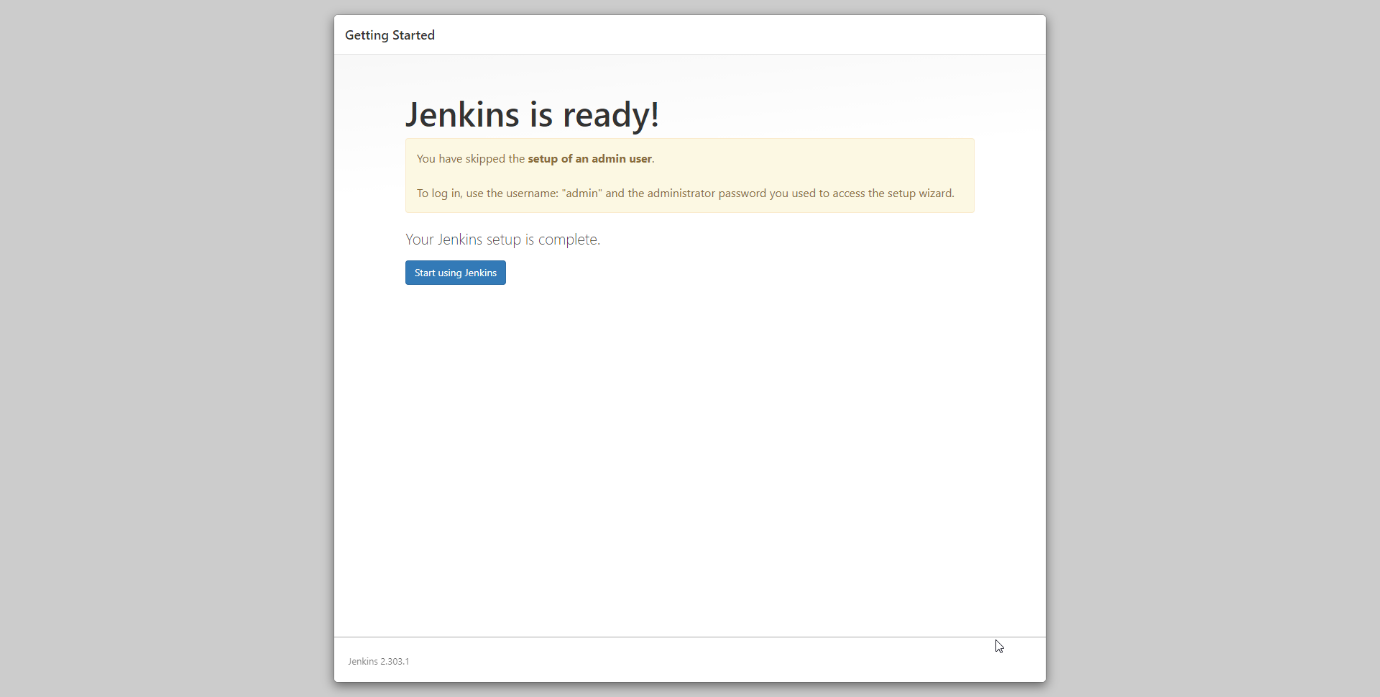
**After Installation of Plugin’s, If needed we can create user or we can skip and continue as admin .**

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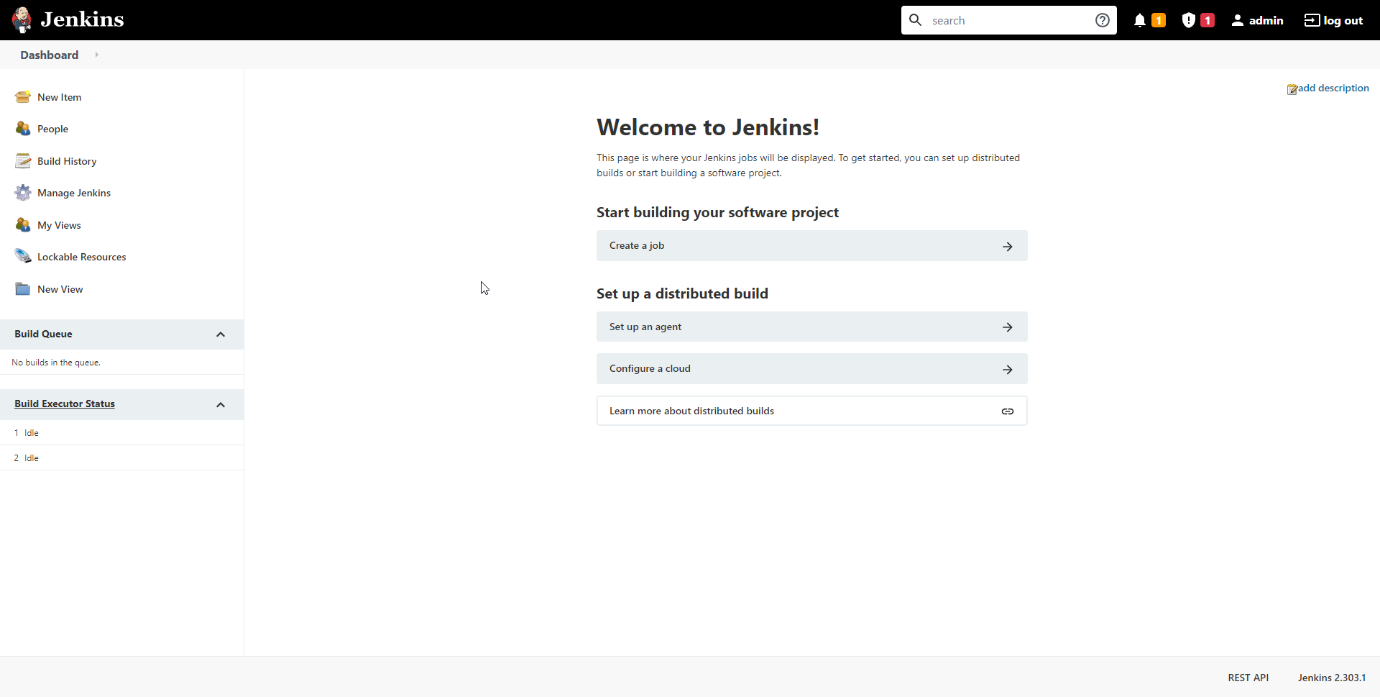
**Then it will prompt Instance configuration it will display the Jenkin URL, click save and finish**

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**Once after the plugins installed click start using Jenkins**

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**Jenkins home page will open**

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**Jenkins Configuration done….**

**Let us go for Project Configuration With Github**

**Select new Item from Dashboard**

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**Enter Name for reference and Select Maven Project and click Ok**

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**Configuration**

**1 . Maven info Plugin Configuration – select GitHub and Pass Repository URL**

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**2 – Source code Management Click on Git and Pass Repository URL,**

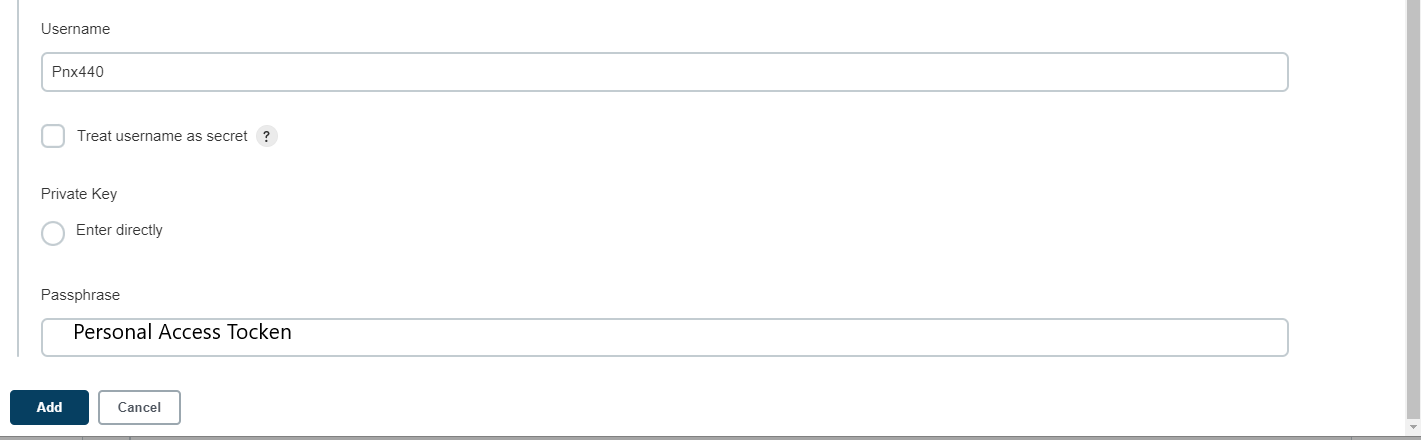
**Then click on Credential Add button**

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**After Click Add – Create Credentials As Shown and Select The Credential in Source code Management.**

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**Graphical user interface, application

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**3 – Build Triggers**

**Graphical user interface, application

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**4 – Build Environment**

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**6 – Pre steps**

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**7 - Build**

**Graphical user interface, text, application

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**Refer For Further Information.**

[**blazemeter.com/blog/how-to-integrate-your-github-repository-to-your-jenkins-project**](blazemeter.com/blog/how-to-integrate-your-github-repository-to-your-jenkins-project)

**After All the Configuration done Click on the project and Click Build now**

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**Click on the Build to View Console**

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**Thank you…**