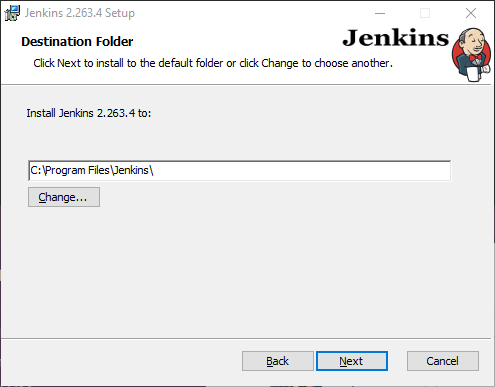
**Step 1: Setup wizard**

On opening the Windows Installer, an **Installation Setup Wizard** appears, Click **Next** on the Setup Wizard to start your installation.



**Step 2: Select destination folder**

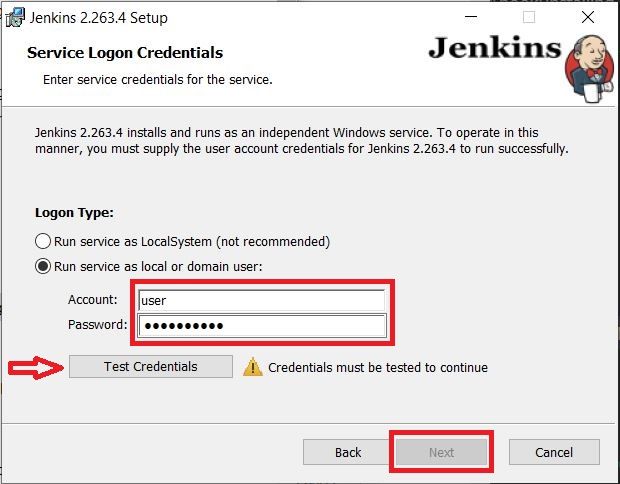
Select the destination folder to store your Jenkins Installation and click **Next** to continue.



**Step 3: Service logon credentials**

When Installing Jenkins, it is recommended to install and run Jenkins as an independent windows service using a **local or domain user** as it is much safer than running Jenkins using **LocalSystem(Windows equivalent of root)** which will grant Jenkins full access to your machine and services.

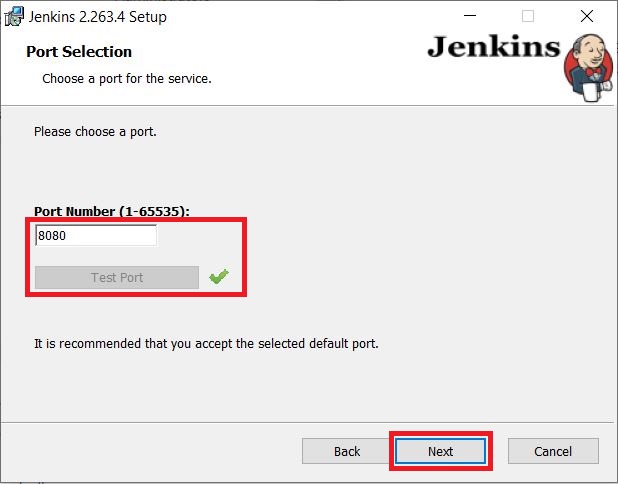
To run Jenkins service using a **local or domain user**, specify the domain user name and password with which you want to run Jenkins, click on **Test Credentials** to test your domain credentials and click on **Next**.



|  |  |
| --- | --- |
|  | If you get **Invalid Logon** Error pop-up while trying to test your credentials, follow the steps explained [here](https://www.jenkins.io/doc/book/installing/windows/#invalid-service-logon-credentials) to resolve it. |

**Step 4: Port selection**

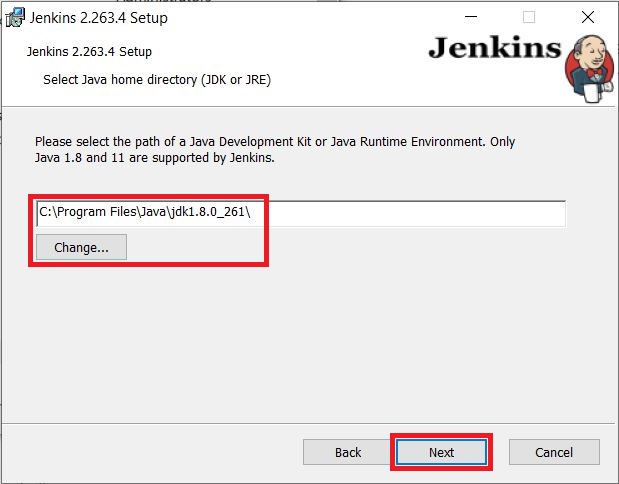
Specify the port on which Jenkins will be running, **Test Port** button to validate whether the specified port if free on your machine or not. Consequently, if the port is free, it will show a green tick mark as shown below, then click on **Next**.



**Step 5: Select Java home directory**

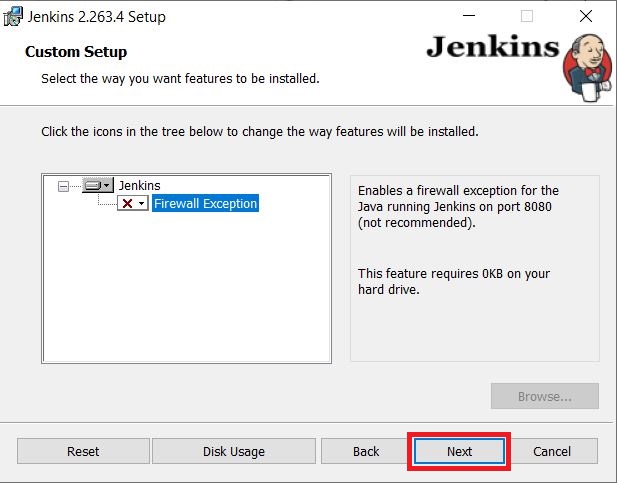
The installation process checks for Java on your machine and prefills the dialog with the Java home directory. If the needed Java version is not installed on your machine, you will be prompted to install it.

Once your Java home directory has been selected, click on **Next** to continue.



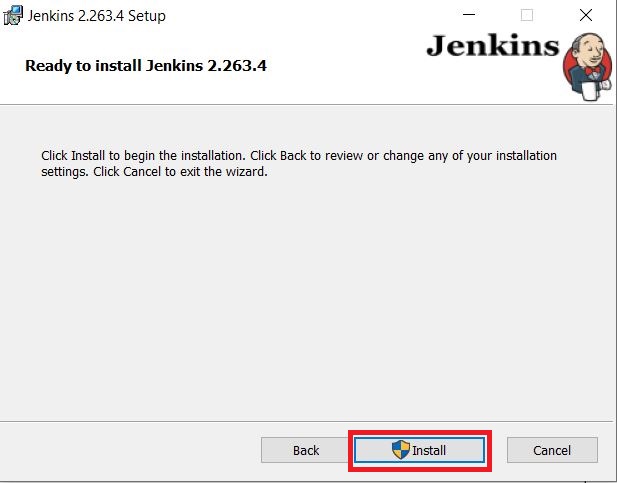
**Step 6: Custom setup**

Select other services that need to be installed with Jenkins and click on **Next**.

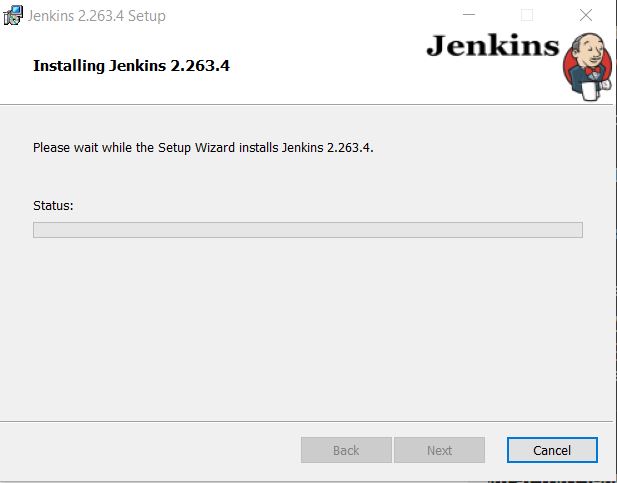


**Step 7: Install Jenkins**

Click on the **Install** button to start the installation of Jenkins.



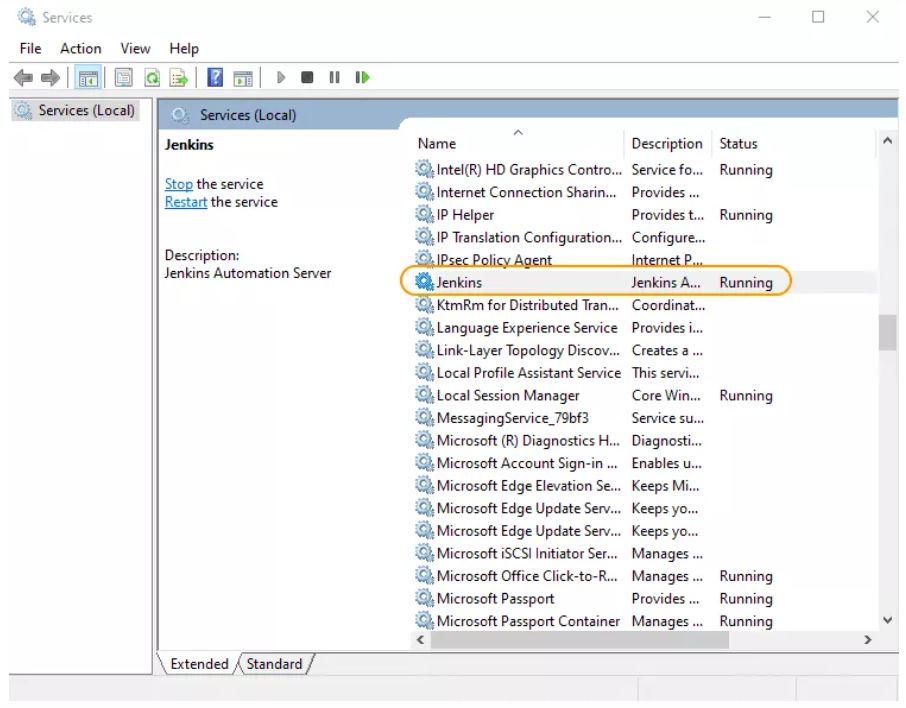
Additionally, clicking on the **Install** button will show the progress bar of installation, as shown below:



**Step 8: Finish Jenkins installation**

Once the installation completes, click on **Finish** to complete the installation.

Jenkins will be installed as a **Windows Service**. You can validate this by browsing the **services** section, as shown below:



|  |  |
| --- | --- |
|  | See the [upgrade steps](https://www.jenkins.io/blog/2020/08/12/windows-installers-upgrade/#next-steps) when you upgrade to a new release. |

**Silent Install with the MSI installers**

MSI installers can be installed via a silent method, which can show basic UI (/qb) or no UI at all (/qn). The silent method does not prompt for user input so there are properties that you can pass to the installer to set the specific values. A very basic command line is shown below for a silent install.

msiexec.exe /i "path\to\jenkins.msi" /qn /norestart

*This will use all of the default values for things that would normally be a prompt such as:*

* Installation directory
* Service account username/password
* Java installation directory
* The port for Jenkins to listen on

Each of these things can be overridden by passing a NAME=VALUE property pair for what you want to override:

| **Property Name** | **Description** |
| --- | --- |
| INSTALLDIR | Path to the directory to install Jenkins. (Default: C:\Program Files\Jenkins) |
| PORT | The port Jenkins will listen on. (Default: 8080) |
| JAVA\_HOME | The directory where java.exe can be found. (Default: The first Java runtime found in the registry with Java 11 being higher priority than Java 17) |
| SERVICE\_USERNAME | The username that the service should run as. The account must have LogonAsService permissions. (Default: In silent mode, the LOCALSYSTEM account) |
| SERVICE\_PASSWORD | The password for the SERVICE\_USERNAME account. This should only be provided if SERVICE\_USERNAME is provided. (Default: In silent mode, none for LOCALSYSTEM) |

A more complex example, including the creation of a log file for the installation process is shown below:

msiexec.exe /i "path\to\jenkins.msi" /qn /norestart **INSTALLDIR=**"D:\Jenkins" **JAVA\_HOME=**"C:\Program Files\SomeJava" **PORT=**80 /L**\*v** "path\to\logfile.txt"

This would install Jenkins into D:\Jenkins, use the Java runtime from C:\Program Files\SomeJava and Jenkins would be listening on port 80.

**Post-installation setup wizard**

After downloading, installing and running Jenkins, the post-installation setup wizard begins.

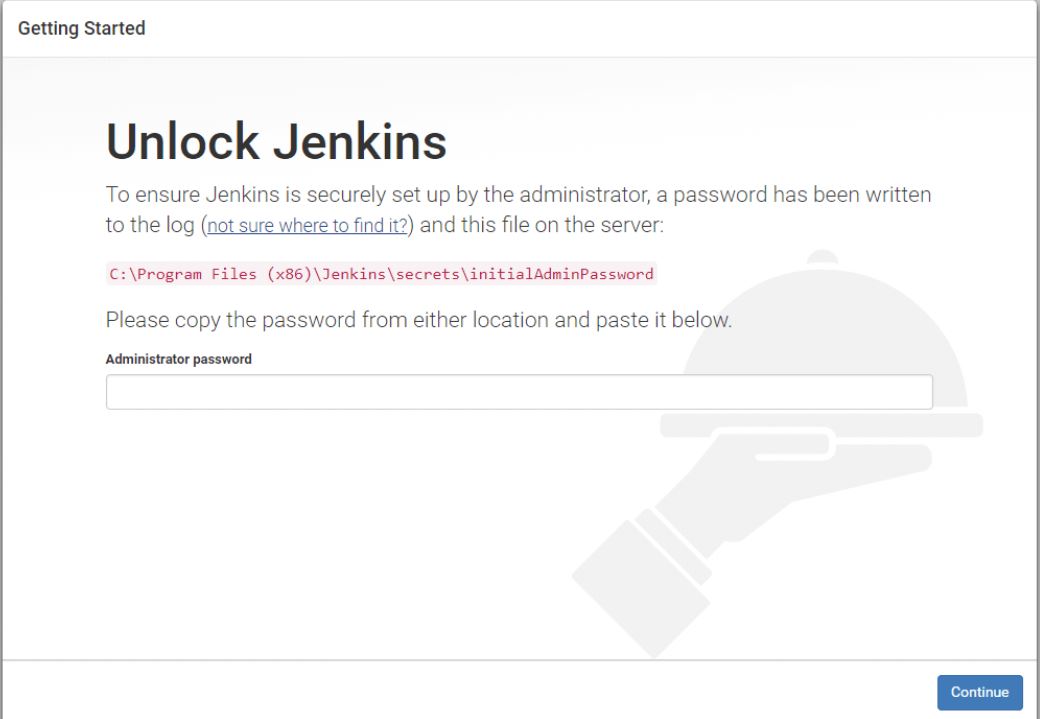
This setup wizard takes you through a few quick "one-off" steps to unlock Jenkins, customize it with plugins and create the first administrator user through which you can continue accessing Jenkins.

**Unlocking Jenkins**

When you first access a new Jenkins instance, you are asked to unlock it using an automatically-generated password.

**Step 1**

Browse to http://localhost:8080 (or whichever port you configured for Jenkins when installing it) and wait until the **Unlock Jenkins** page appears.

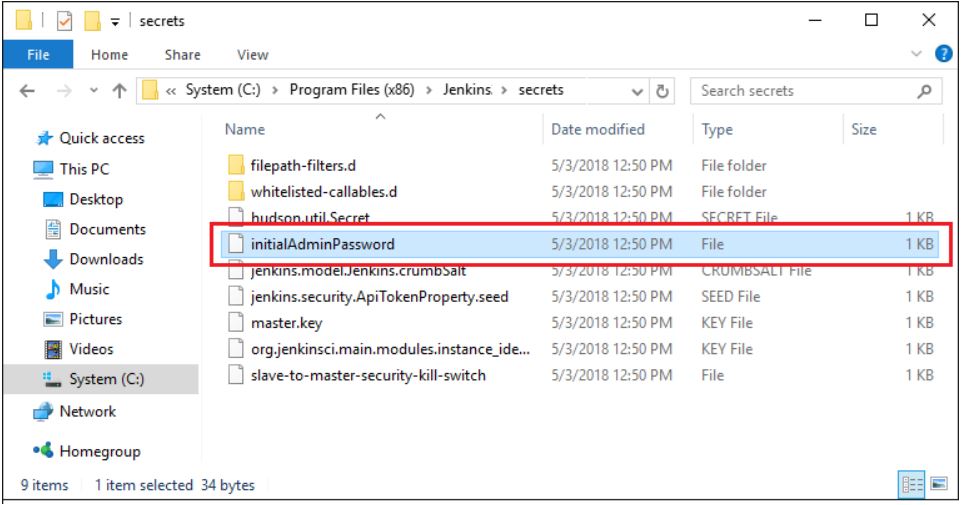


**Step 2**

The initial Administrator password should be found under the Jenkins installation path (set at Step 2 in Jenkins Installation).

For default installation location to C:\Program Files\Jenkins, a file called **initialAdminPassword** can be found under C:\Program Files\Jenkins\secrets.

However, If a custom path for Jenkins installation was selected, then you should check that location for **initialAdminPassword** file.



**Step 3**

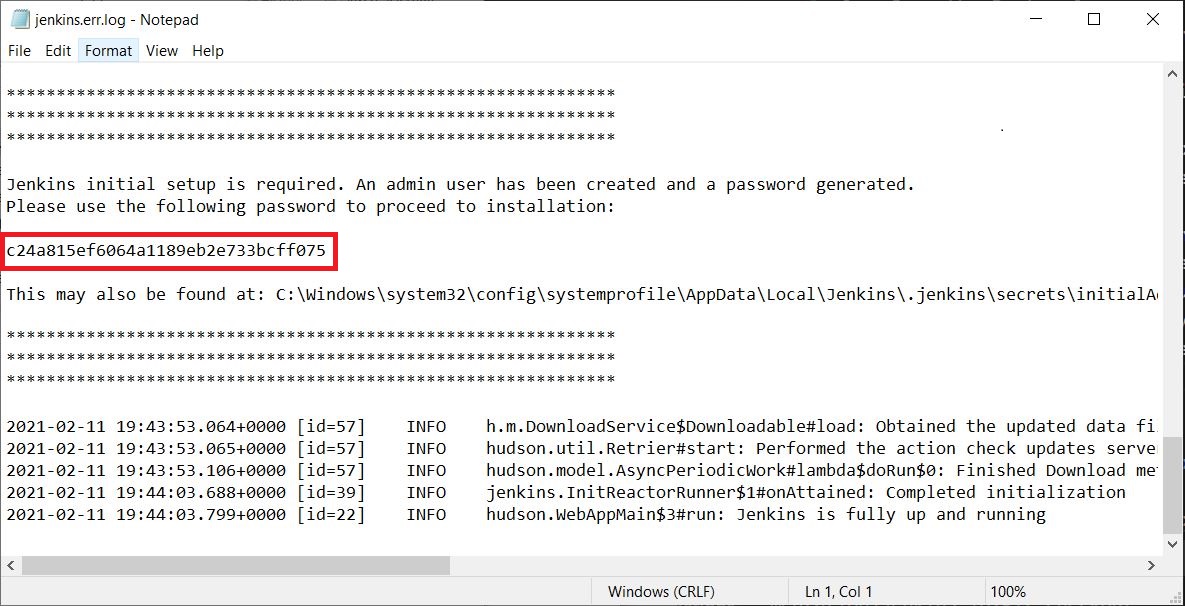
Open the highlighted file and copy the content of the **initialAdminPassword** file.



**Step 4**

On the **Unlock Jenkins** page, paste this password into the **Administrator password** field and click **Continue**.  
**Notes:**

* You can also access Jenkins logs in the **jenkins.err.log** file in your Jenkins directory specified during the installation.
* The Jenkins log file is another location (in the Jenkins home directory) where the initial password can also be obtained.



This password must be entered in the setup wizard on new Jenkins installations before you can access Jenkins’s main UI. This password also serves as the default administrator account’s password (with username "admin") if you happen to skip the subsequent user-creation step in the setup wizard.

**Customizing Jenkins with plugins**

After [unlocking Jenkins](https://www.jenkins.io/doc/book/installing/windows/#unlocking-jenkins), the **Customize Jenkins** page appears. Here you can install any number of useful plugins as part of your initial setup.

Click one of the two options shown:

* **Install suggested plugins** - to install the recommended set of plugins, which are based on most common use cases.
* **Select plugins to install** - to choose which set of plugins to initially install. When you first access the plugin selection page, the suggested plugins are selected by default.

|  |  |
| --- | --- |
|  | If you are not sure what plugins you need, choose **Install suggested plugins**. You can install (or remove) additional Jenkins plugins at a later point in time via the [**Manage Jenkins**](https://www.jenkins.io/doc/book/managing) > **[Plugins](https://www.jenkins.io/doc/book/managing/plugins/)** page in Jenkins. |

The setup wizard shows the progression of Jenkins being configured and your chosen set of Jenkins plugins being installed. This process may take a few minutes.

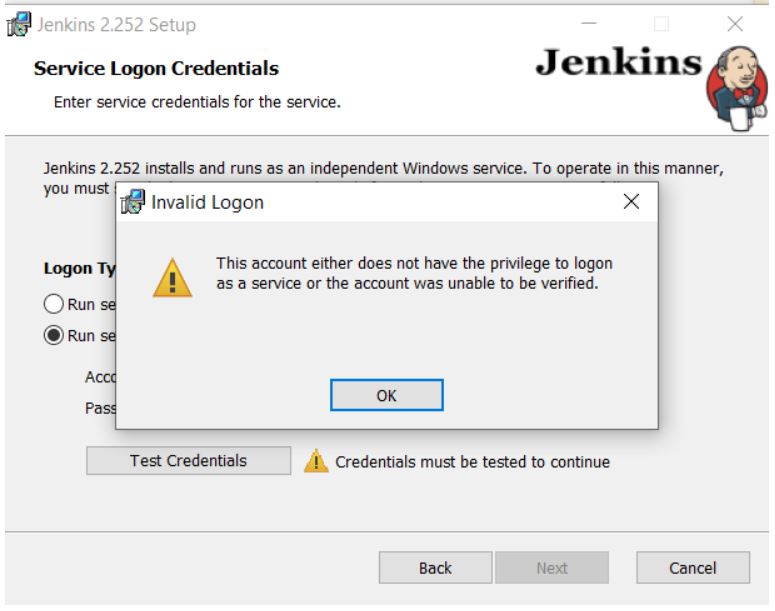
**Creating the first administrator user**

Finally, after [customizing Jenkins with plugins](https://www.jenkins.io/doc/book/installing/windows/#customizing-jenkins-with-plugins), Jenkins asks you to create your first administrator user.

1. When the **Create First Admin User** page appears, specify the details for your administrator user in the respective fields and click **Save and Finish**.
2. When the **Jenkins is ready** page appears, click **Start using Jenkins**.  
   **Notes:**
   * This page may indicate **Jenkins is almost ready!** instead and if so, click **Restart**.
   * If the page does not automatically refresh after a minute, use your web browser to refresh the page manually.
3. If required, log in to Jenkins with the credentials of the user you just created and you are ready to start using Jenkins!

**Troubleshooting Windows installation**

**Invalid service logon credentials**



When installing a service to run under a domain user account, the account must have the right to logon as a service. This logon permission applies strictly to the local computer and must be granted in the Local Security Policy.

Perform the following steps below to edit the Local Security Policy of the computer you want to define the ‘logon as a service’ permission:

1. Logon to the computer with administrative privileges.
2. Open the **Administrative Tools** and open the **Local Security Policy**
3. If the **Local Security Policy** is missing in your system, refer to the answer in the [Where to download GPEdit.msc for Windows 10 Home?](https://answers.microsoft.com/en-us/windows/forum/all/where-to-download-gpeditmsc-for-windows-10-home/c39bd656-8d4a-4374-be39-394c09deec4e) question on Microsoft Community to troubleshoot
4. Expand **Local Policy** and click on **User Rights Assignment**
5. In the right pane, right-click **Log on as a service** and select properties.
6. Click on the **Add User or Group…** button to add the new user.
7. In the **Select Users or Groups** dialogue, find the user you wish to enter and click **OK**
8. Click **OK** in the **Log on as a service Properties** to save changes.

After completing the steps above, try logging in again with the added user.