



# **JENKINS**

**Download & Install Jenkins**

- Easy installation

Jenkins is a self-contained Java-based program, ready to run out-of-the-box, with packages for Windows, Mac OS X and other Unix-like operating systems.

- Easy configuration

Jenkins can be easily set up and configured via its web interface, which includes on-the-fly error checks and built-in help.



# PREREQUISITES

A machine with:

- 256 MB of RAM, although more than 512MB is recommended
- 10 GB of drive space (for Jenkins and your Docker image)

The following software installed:

- Java 8 (either a JRE or Java Development Kit (JDK) is fine)
- Docker (navigate to **Get Docker** at the top of the website to access the Docker download that's suitable for your platform)



# RELEASE TYPES

- **Long term support release (LTS) :**

Long-term support releases are available every 12 weeks. They are stable and are widely tested. This release is intended for end users.

- **Weekly release:**

Weekly releases are made available every week by fixing bugs in its earlier version. These releases are intended towards plugin developers.



# INSTALLATION FOR WINDOWS

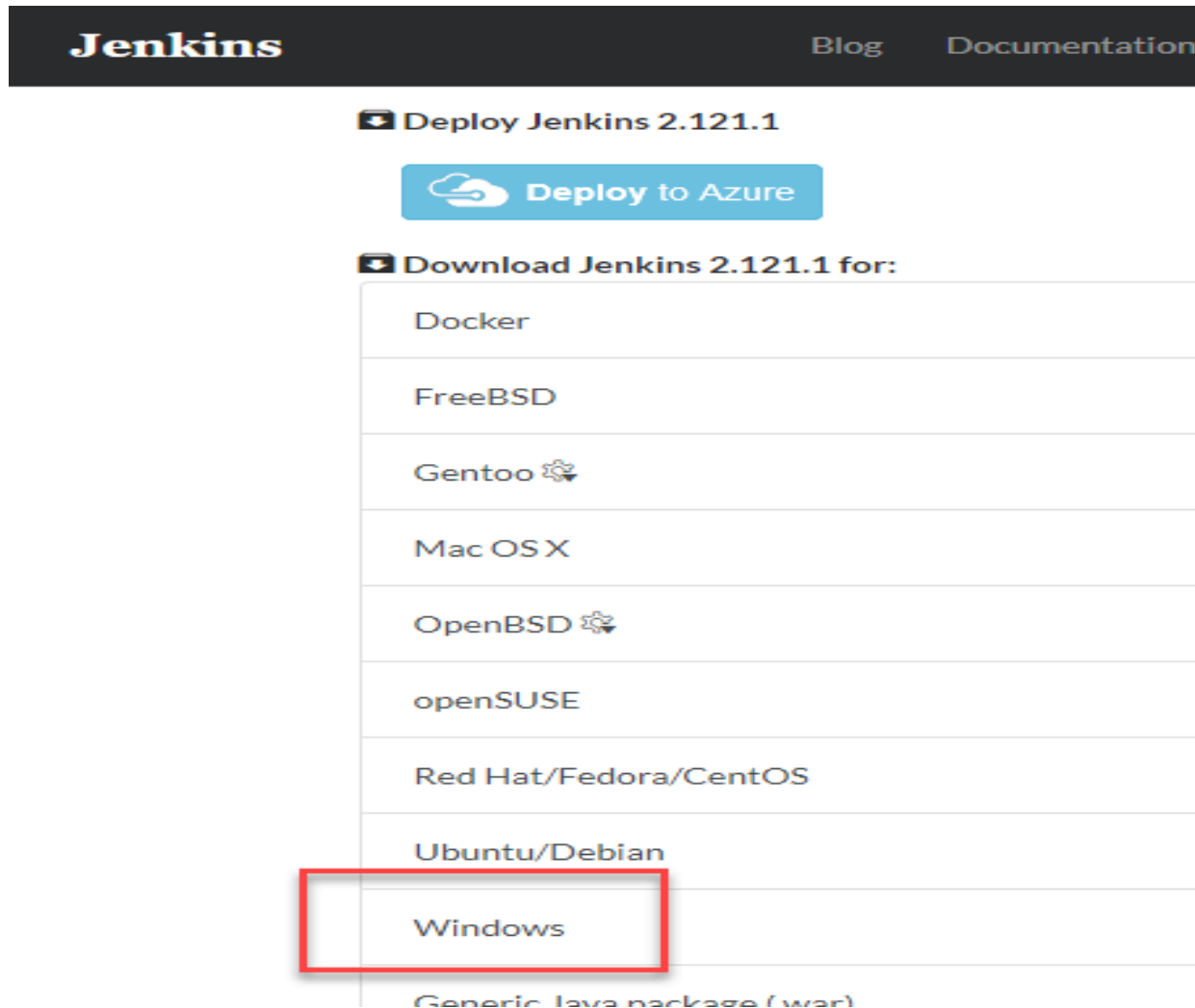


# DOWNLOAD AND RUN JENKINS

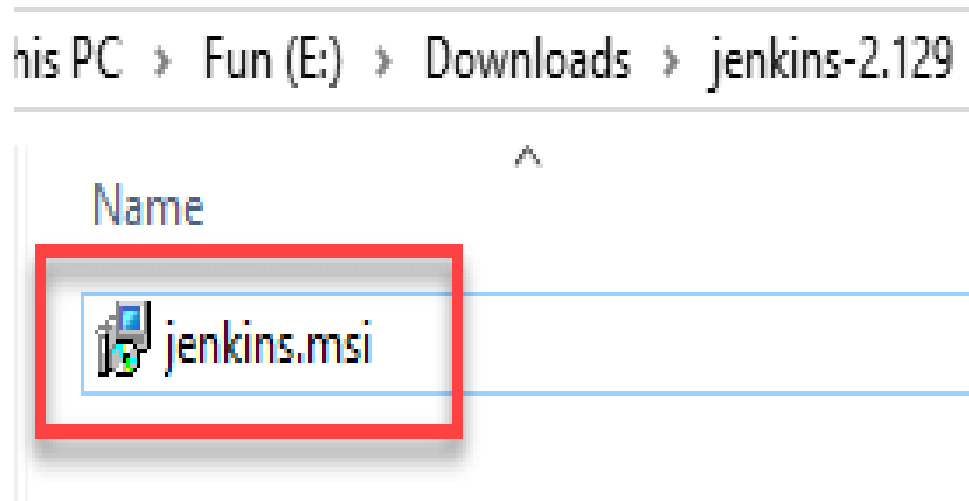
- Download Jenkins.
- Open up a terminal in the download directory.
- Run `java -jar jenkins.war --httpPort=8080`.
- Browse to `http://localhost:8080`.
- Follow the instructions to complete the installation.
- When the installation is complete, you can start putting Jenkins to work!



**Step 1)** Go to <https://jenkins.io/download/> and select the platform(Windows)

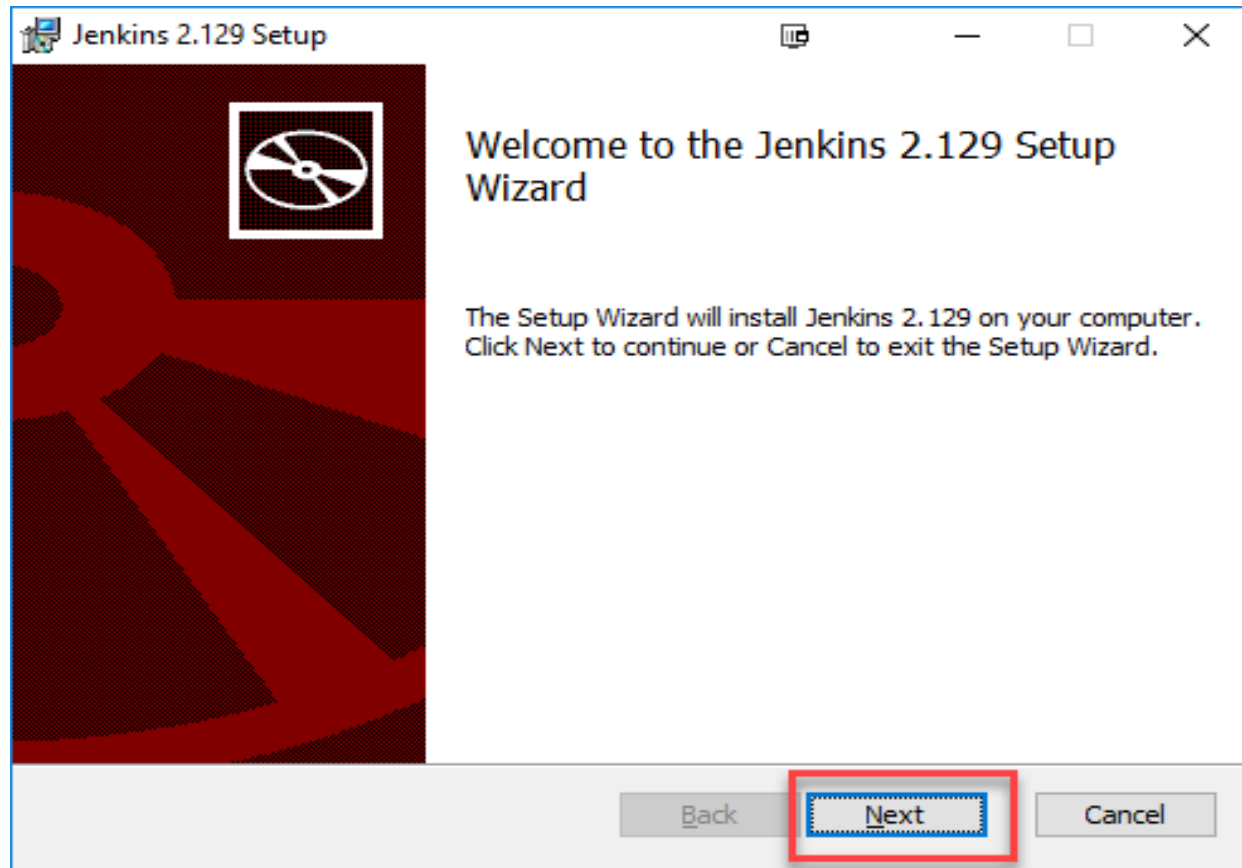


**Step 2)** Go to download location from local computer and unzip the downloaded package. Double-click on unzipped **jenkins.msi**

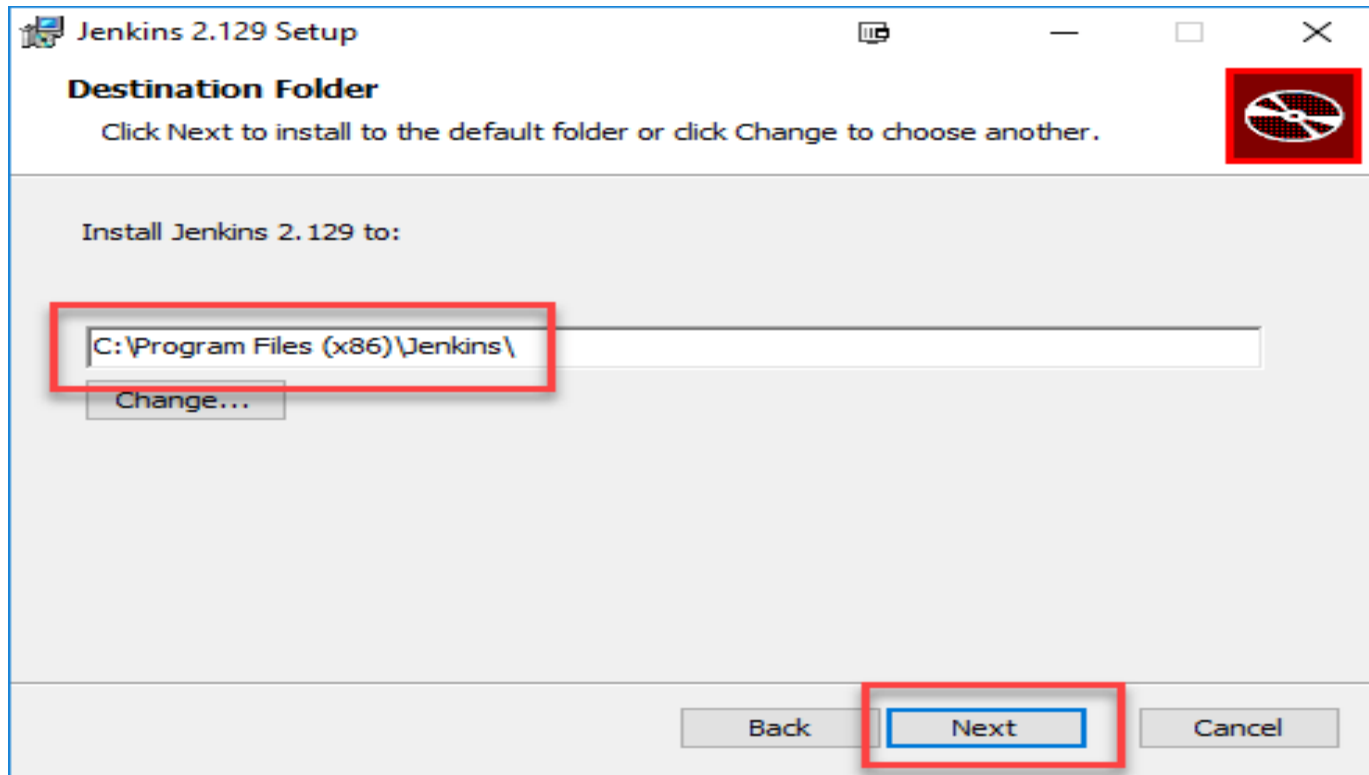




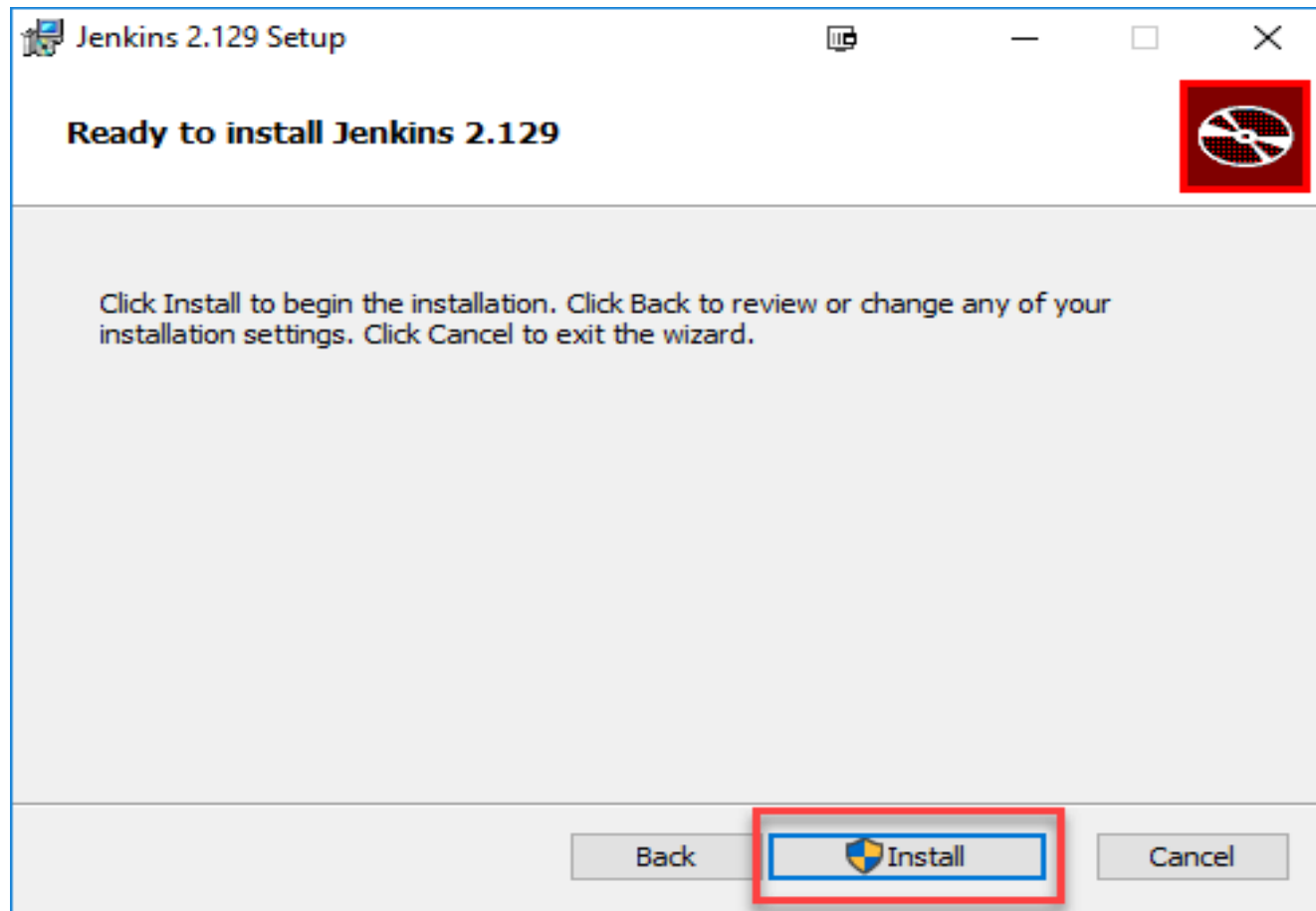
**Step 3)** In the setup screen, click Next.



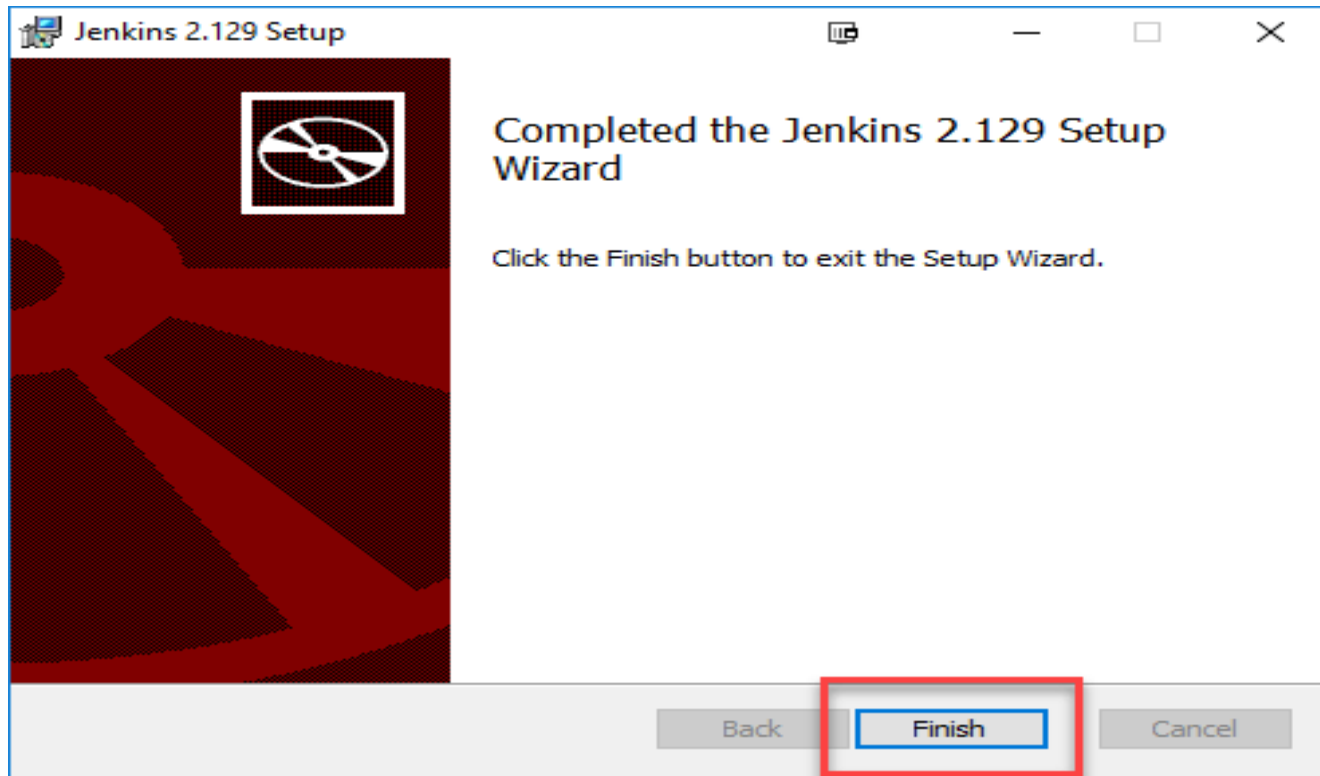
**Step 4)** Choose the location where you want to have the Jenkins instance installed (default location is C:\Program Files (x86)\Jenkins), then click on **Next** button.



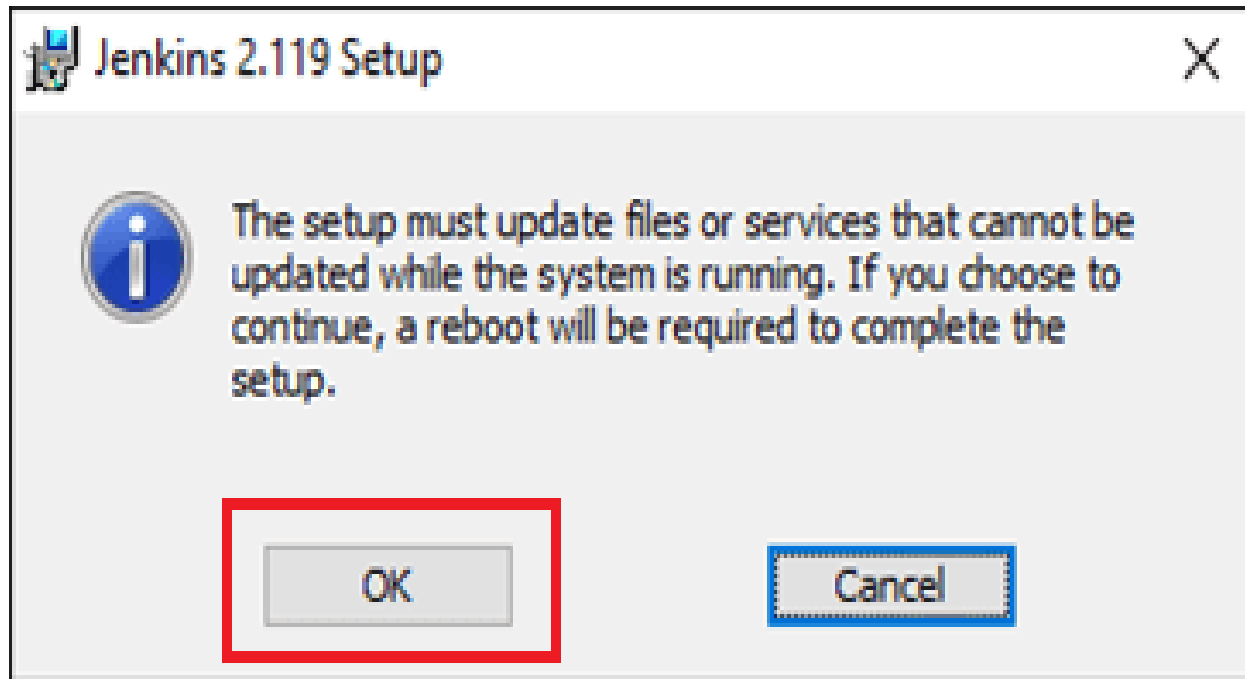
**Step 5)** Click on the Install button.



**Step 6)** Once install is complete, click Finish.



**Step 7)** During the installation process an info panel may pop-up to inform the user that for a complete setup, the system should be rebooted at the end of the current installation. Click on OK button when the Info panel is popping-up:



# HOW TO UNBLOCK JENKINS?

After completing the Jenkins installation phase, you should proceed further and start its configuration. Next steps will guide you how you can unblock Jenkins application:



**Step 1)** After completing the Jenkins installation process, a browser tab will pop-up asking for the initial Administrator password.

To access Jenkins, you need to go to browse the following path in your web browser.

- <http://localhost:8080>
- If you can access the above URL, then it confirms that Jenkins is successfully installed in your system.



## Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
C:\Program Files (x86)\Jenkins\secrets\initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

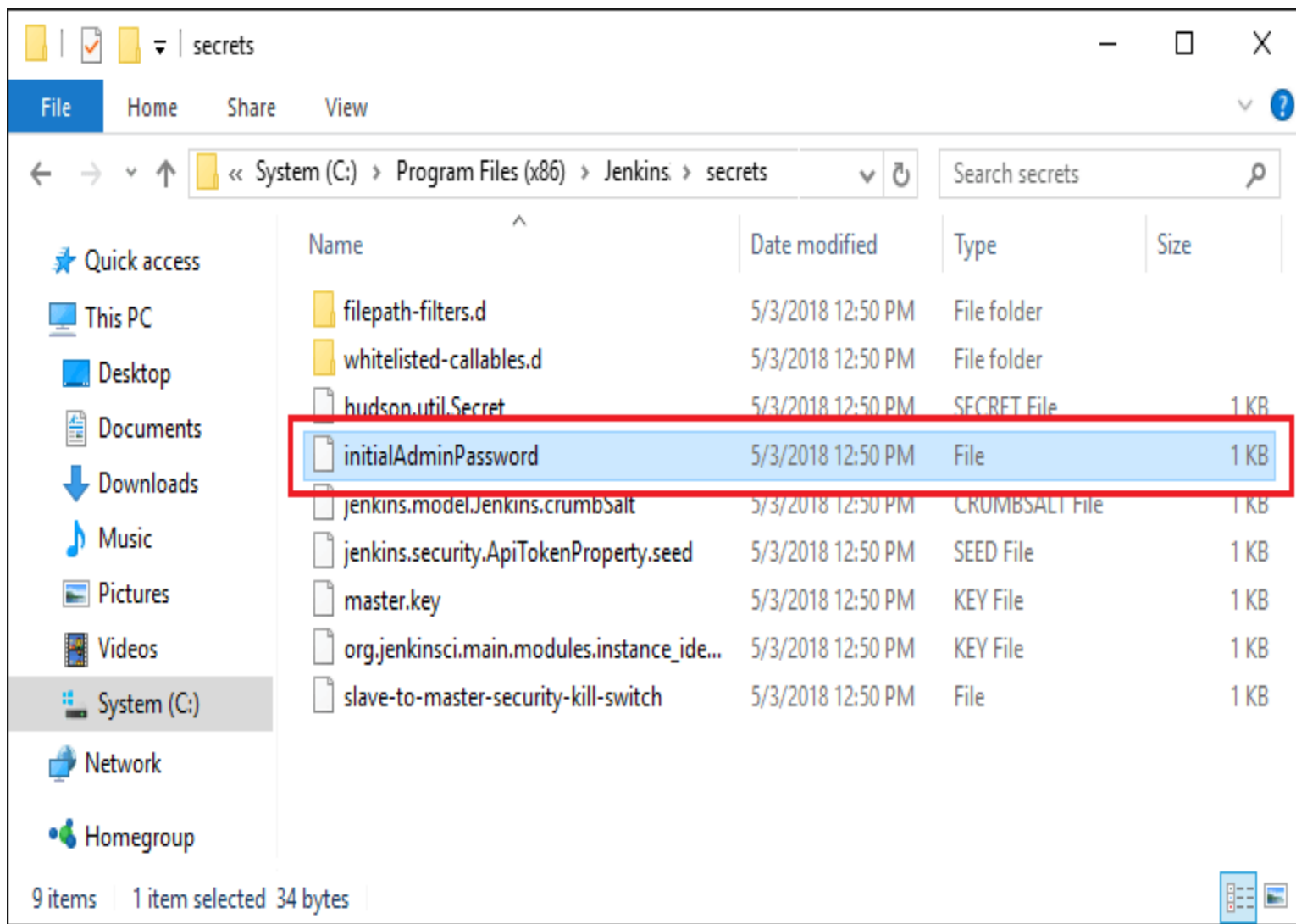
Continue



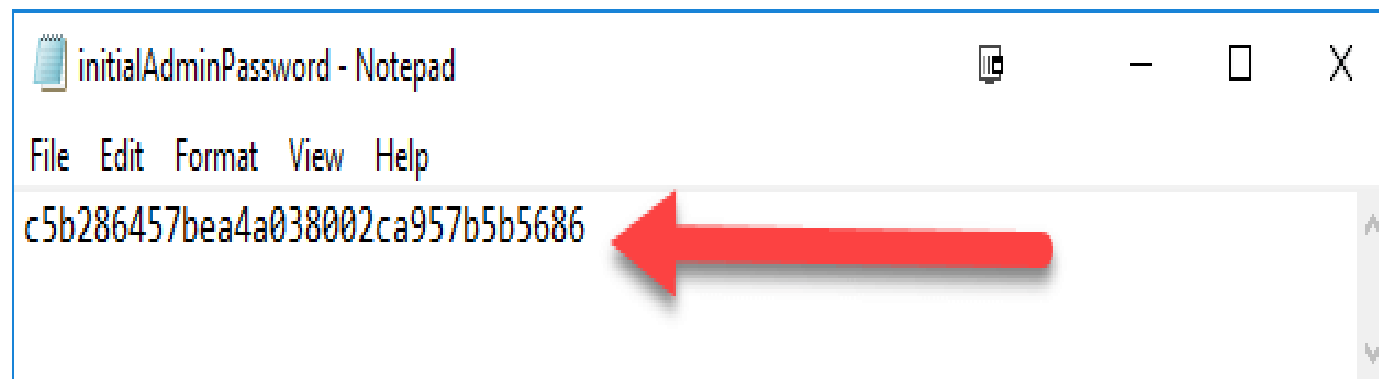
**Step 2)** The initial Administrator password should be found under the Jenkins installation path (set at Step 4 in Jenkins Installation).

- For default installation location to C:\Program Files (x86)\Jenkins, a file called **initialAdminPassword** can be found under C:\Program Files (x86)\Jenkins\secrets.
- However, If a custom path for Jenkins installation was selected, then you should check that location for **initialAdminPassword** file.

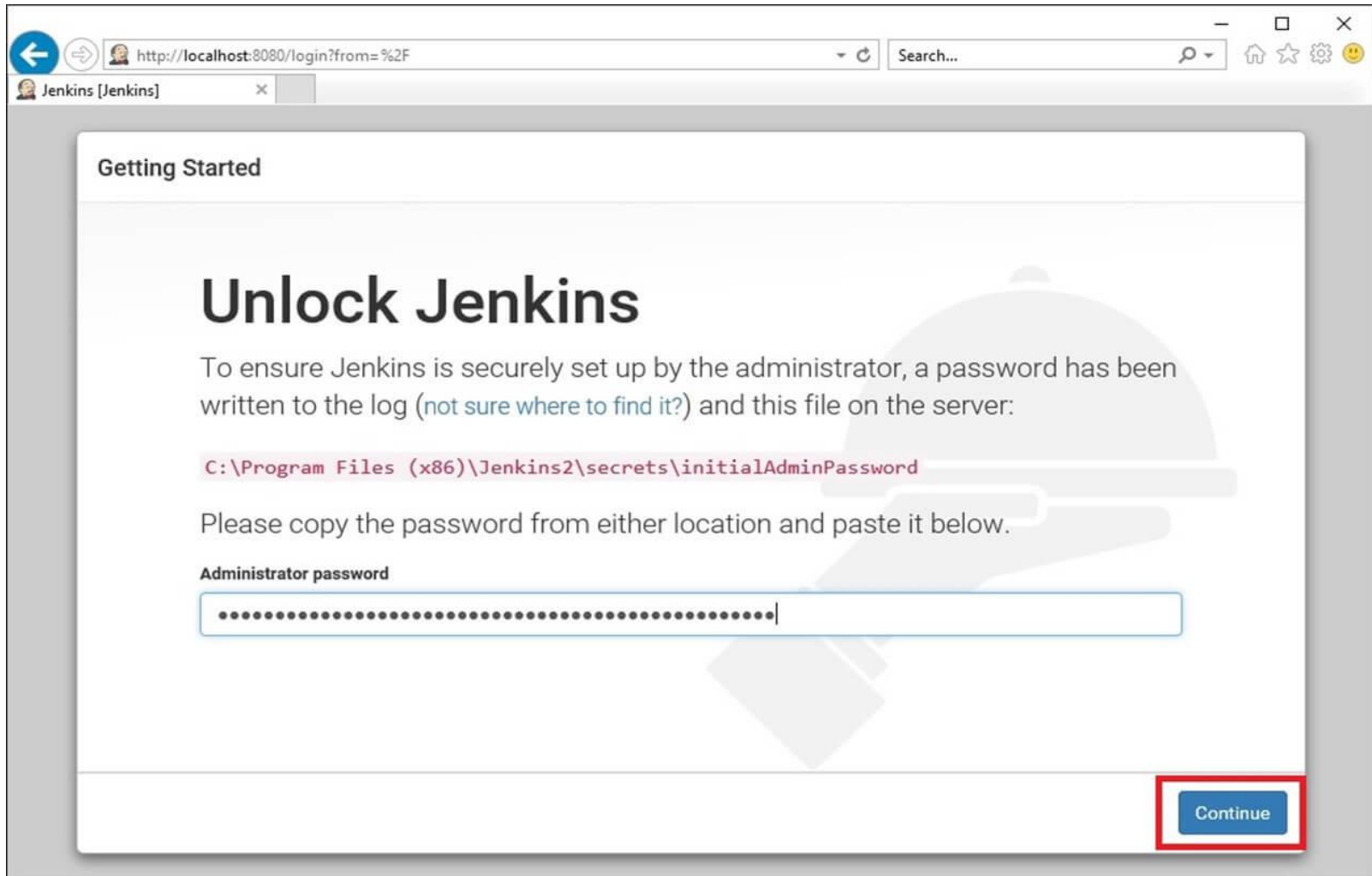




**Step 3)** Open the highlighted file and copy the content of the **initialAdminPassword** file.



**Step 4)** Paste the password it into browser's pop-up tab (<http://localhost:8080/login?from=%2F>) and click on Continue button.



Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

```
C:\Program Files (x86)\Jenkins2\secrets\initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

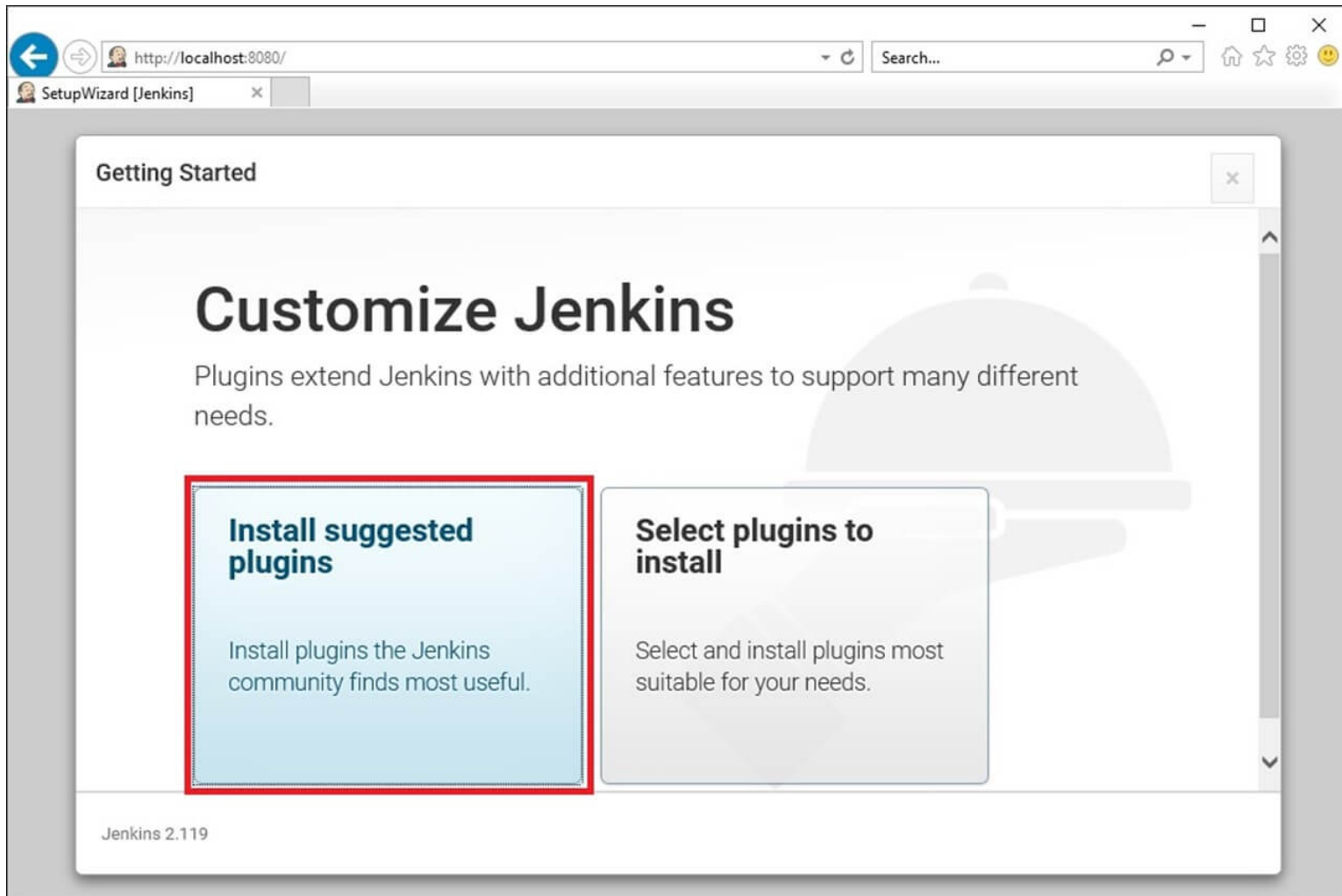
Continue

# CUSTOMIZE JENKINS

You can also customize your Jenkins environment by below-given steps:

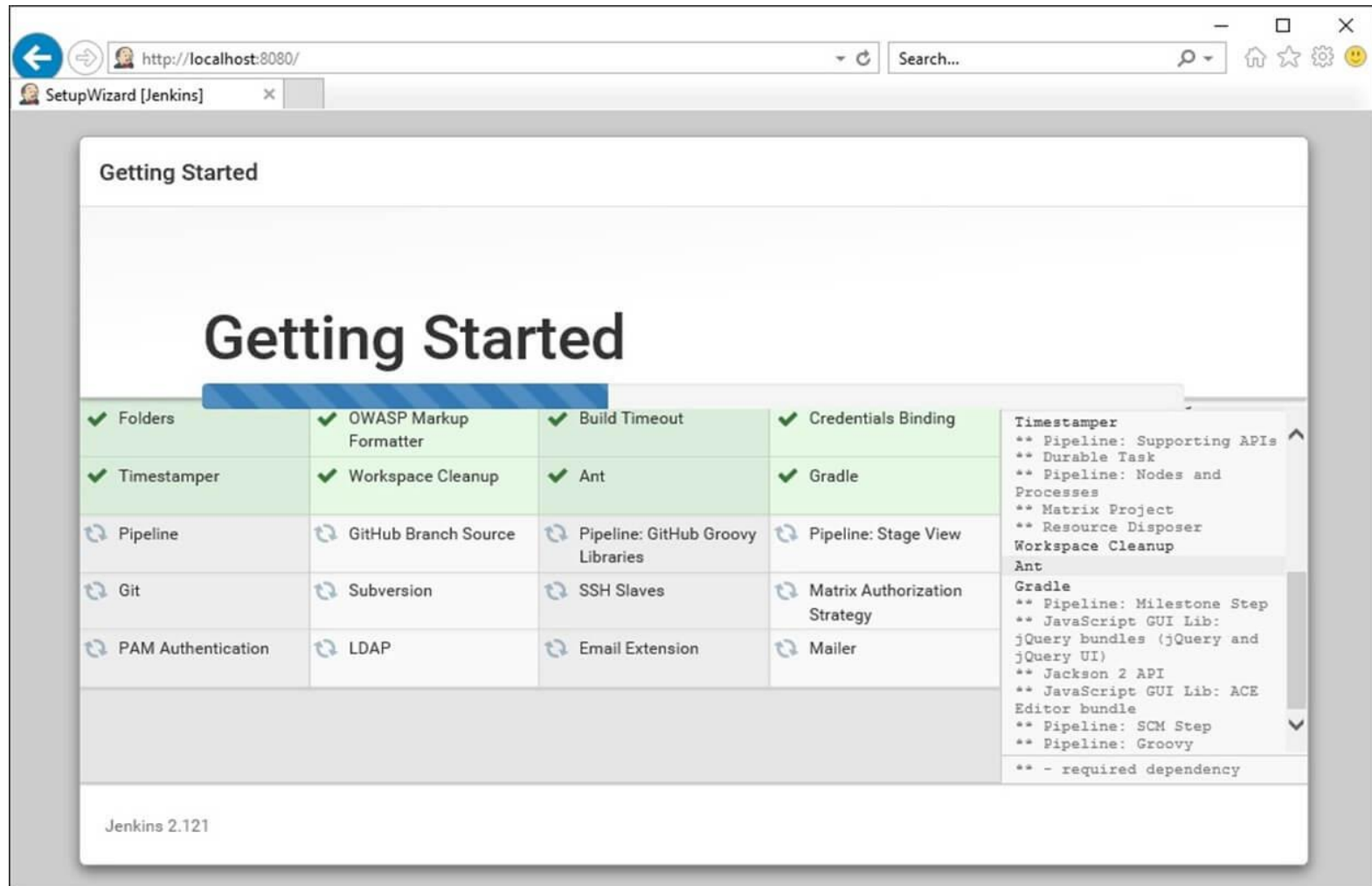


**Step 1)** Click on the "Install suggested plugins button" so Jenkins will retrieve and install the essential plugins



Jenkins will start to download and install all the necessary plugins needed to create new Jenkins Jobs.

**Note:** You can choose the Option "Select Plugins to Install" and select the plugins you want to install



- **Step 2)** After all suggested plugins were installed, the "Create First Admin User" panel will show up. Fill all the fields with desired account details and hit the **"Save and Finish"** button.

The screenshot shows a web browser window at localhost:8080 displaying the Jenkins 'Getting Started' page. The main heading is 'Create First Admin User'. Below it, there are five input fields: 'Username' (guru99), 'Password' (masked with dots), 'Confirm password' (masked with dots), 'Full name' (The Guru99), and 'E-mail address' (guru99@gmail.com). A red rectangular box highlights the 'Username', 'Password', and 'Confirm password' fields. At the bottom right, there is a blue button labeled 'Save and Continue', which is also highlighted with a red rectangular box. The bottom left of the page shows 'Jenkins 2.129' and the bottom right shows 'Continue as admin' and a 'Save and Continue' button. A small Jenkins logo is visible in the bottom right corner.

Getting Started

## Create First Admin User

Username:

Password:

Confirm password:

Full name:

E-mail address:

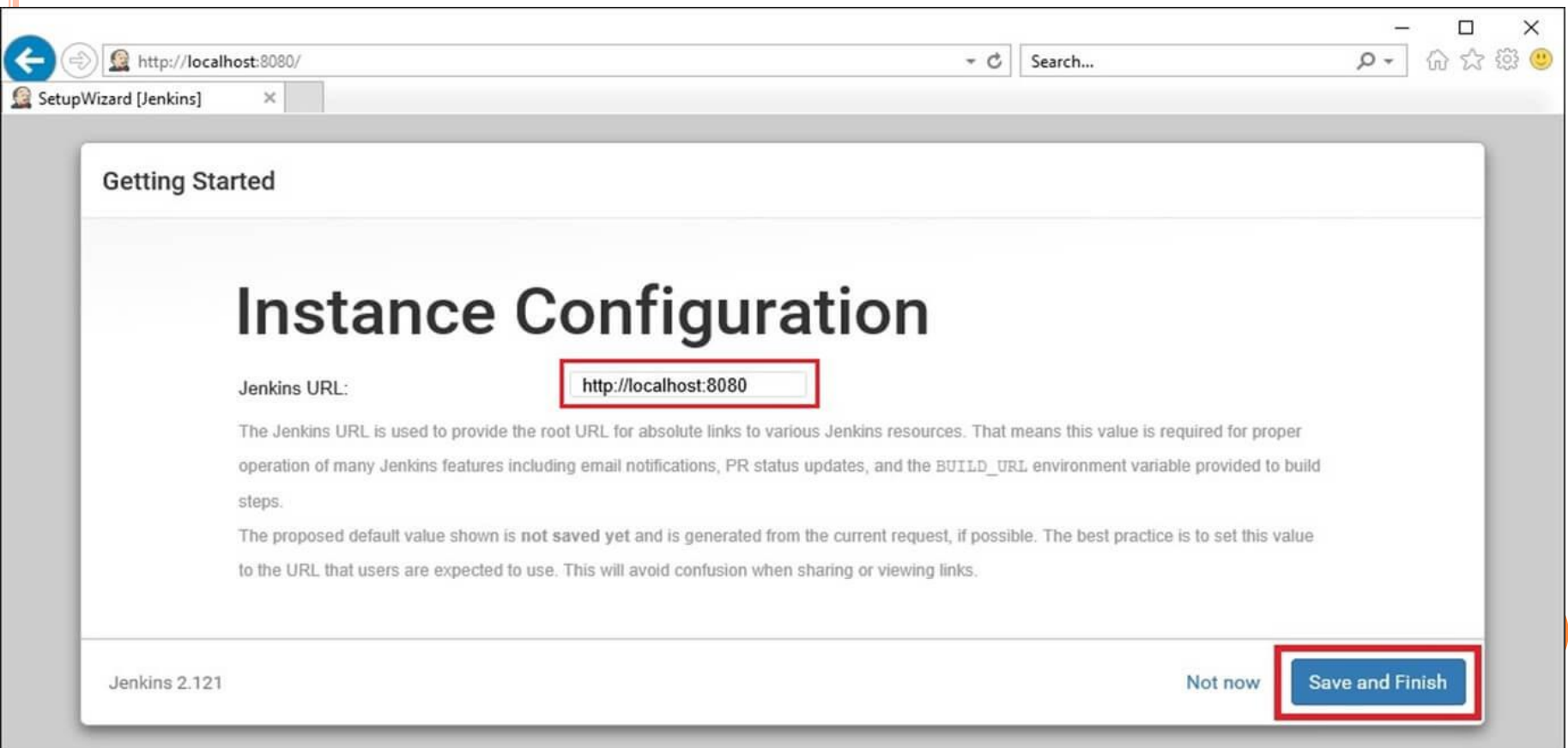
Jenkins 2.129

Continue as admin

[Save and Continue](#)



**Step 3)** Once you have filled the above data, finally it will ask for URL information where you can configure the default instance path for Jenkins. Leave it as it is to avoid any confusions later. However, if another application is already using 8080 port, you can use another port for Jenkins and finally save the settings, and you are done with installation of Jenkins. Hit the **"Save and Continue"** button:



The screenshot shows a web browser window at `http://localhost:8080/` displaying the Jenkins Setup Wizard. The page title is "Getting Started" and the main heading is "Instance Configuration". A text input field for "Jenkins URL:" contains the value `http://localhost:8080`, which is highlighted with a red box. Below the input field, there is explanatory text about the Jenkins URL and its importance for various features. At the bottom of the page, there are two buttons: "Not now" and "Save and Finish". The "Save and Finish" button is highlighted with a red box.

Getting Started

# Instance Configuration

Jenkins URL:

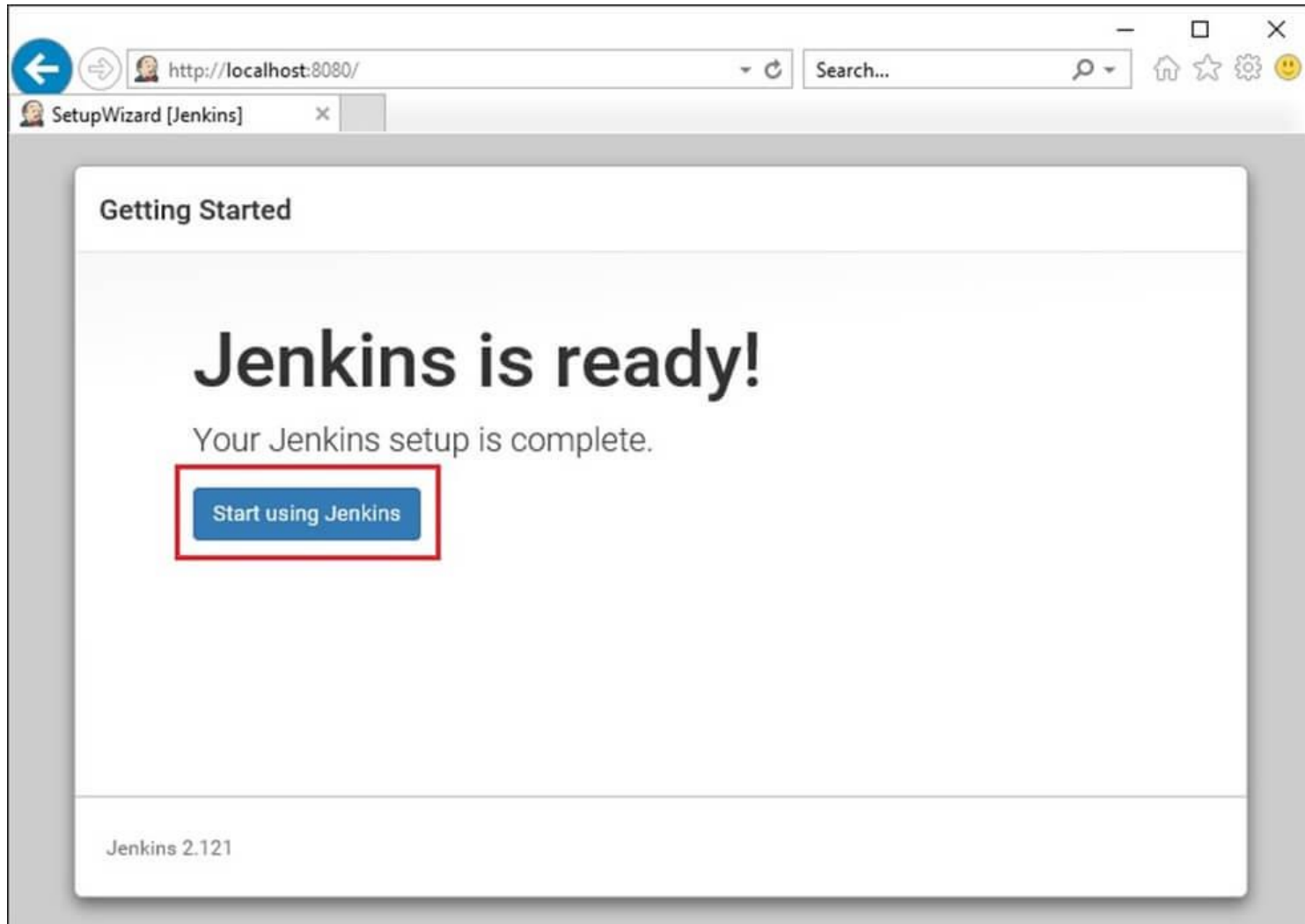
The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the `BUILD_URL` environment variable provided to build steps.

The proposed default value shown is not saved yet and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

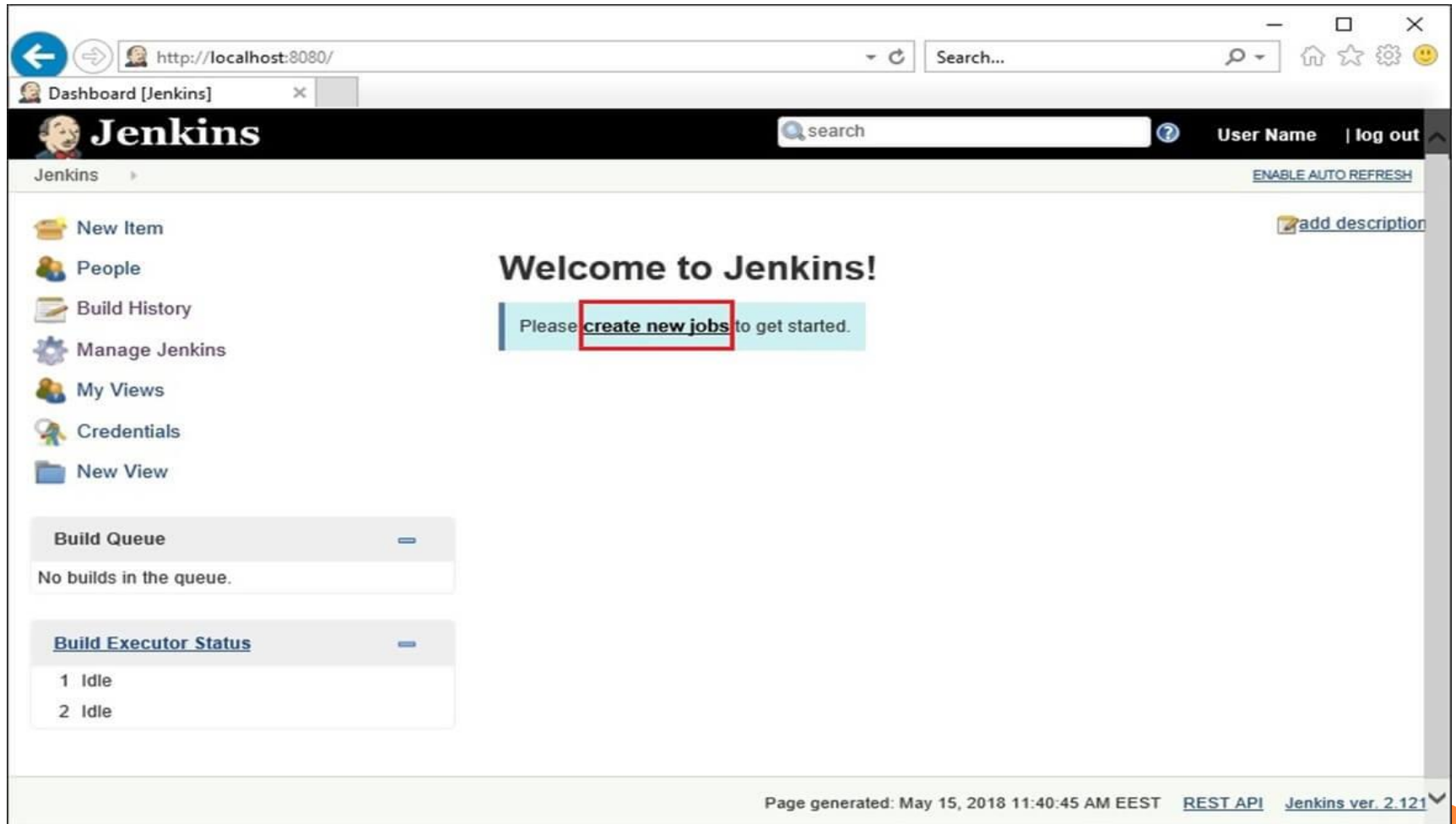
Jenkins 2.121

Not now **Save and Finish**

Congratulations! We have successfully installed a new Jenkins Server. Hit the "Start using Jenkins" button.



Below you can find the Jenkins instance up and run, ready to create first Jenkins jobs:



The screenshot shows the Jenkins web interface in a browser window. The address bar displays `http://localhost:8080/`. The page title is "Dashboard [Jenkins]". The Jenkins logo and name are prominently displayed at the top. A search bar is available next to the logo. The top right corner shows "User Name" and a "log out" link. The main content area features a large "Welcome to Jenkins!" message with a sub-message "Please **create new jobs** to get started." The text "create new jobs" is highlighted with a red rectangular box. On the left sidebar, there are links for "New Item", "People", "Build History", "Manage Jenkins", "My Views", "Credentials", and "New View". Below the sidebar, there are two expandable sections: "Build Queue" (showing "No builds in the queue.") and "Build Executor Status" (showing "1 Idle" and "2 Idle"). The bottom of the page displays the footer information: "Page generated: May 15, 2018 11:40:45 AM EEST", a link to the "REST API", and the version "Jenkins ver. 2.121".

# INSTALLATION FOR LINUX

