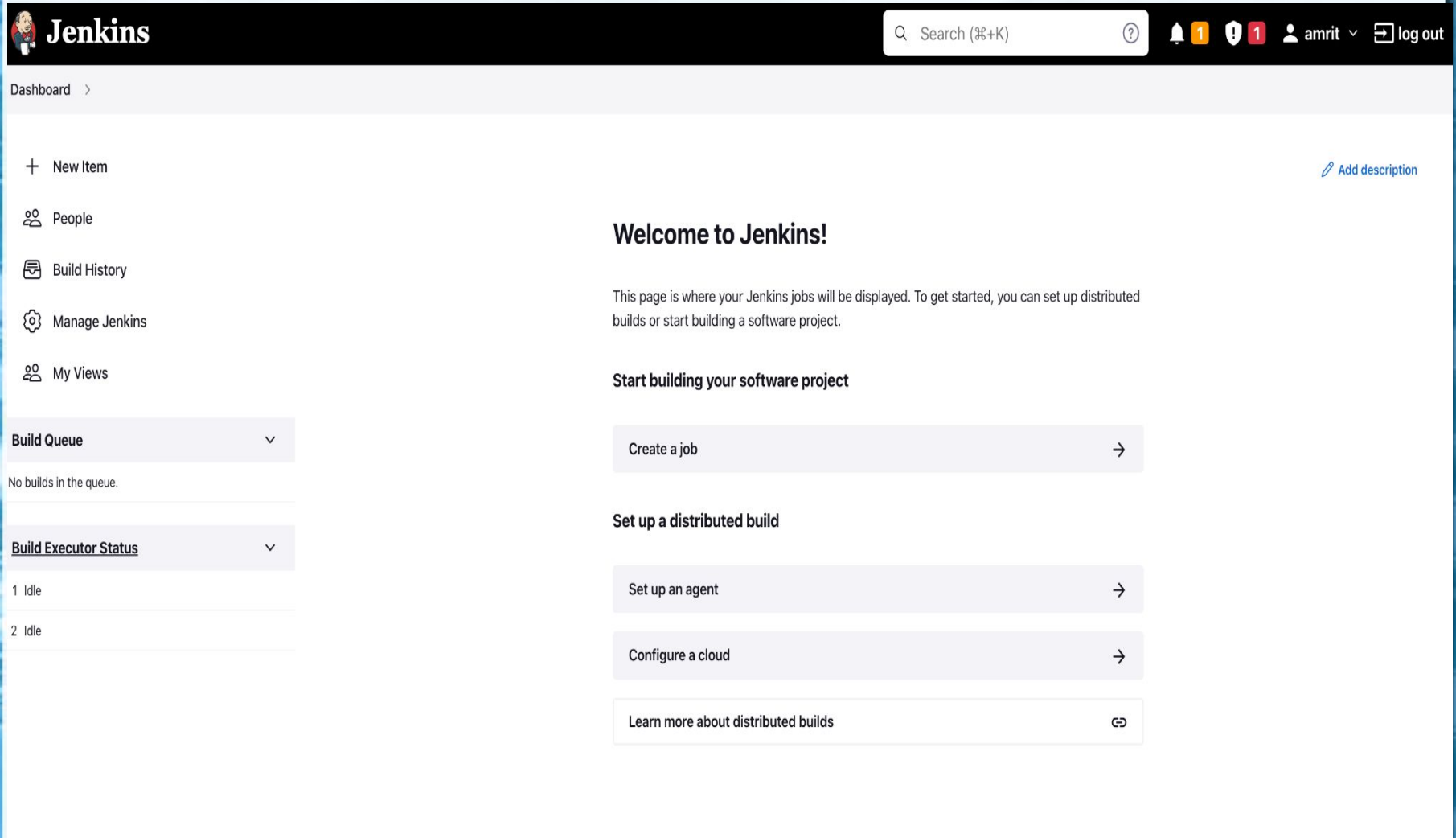


# Create Jenkins Agent

- There are many ways to create Jenkins agent(slave)
- We will go with the simple one for our project
- i.e Java web start method (known in older versions) or
- launch agent by connecting it to the controller
- So login to Jenkins server and run the docker-compose up -d command
- Verify your Jenkins server is up & running

# Create Jenkins Agent

Follow below screenshot for creation of jenkins agent



The screenshot shows the Jenkins dashboard. At the top is a black header with the Jenkins logo, a search bar, and user information. Below the header is a sidebar with navigation links. The main area displays a 'Welcome to Jenkins!' message and several action buttons for creating jobs and setting up distributed builds.

**Jenkins** Search (⌘+K) ? 1 1 amrit log out

Dashboard >

+ New Item [Add description](#)

People

Build History

Manage Jenkins

My Views

**Build Queue** ▾

No builds in the queue.

**Build Executor Status** ▾

1 Idle

2 Idle

**Welcome to Jenkins!**

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

**Start building your software project**

Create a job →


**Set up a distributed build**

Set up an agent →

Configure a cloud →

Learn more about distributed builds ↗

# Create Jenkins Agent

 **Jenkins**

Search (Ctrl+K)

Dashboard > Nodes > ubuntu

↑ Back to List

🔍 Status

🗑️ Delete Agent

⚙️ **Configure**

📄 Build History

📈 Load Statistics

📄 Log

**Build Executor Status** ▼

1 Idle

Name ?

ubuntu

Description ?

Number of executors ?

1

Remote root directory ?

/home/jenkins/jenkins-agent

Labels ?

ubuntu

Usage ?

Use this node as much as possible ▼

Launch method ?

Launch agent by connecting it to the controller ▼

☐ Disable WorkDir ?

Custom WorkDir path ?

Internal data directory ?

remoting

☐ Fail if workspace is missing ?

☐ Use WebSocket ?

Advanced...

Save



# Create Jenkins Agent

- . Download the agent.jar and place it in some directory on application server.
- . Execute below cmd from application server as shown in the image.

```
java -jar agent.jar -jnlpUrl http://192.168.10.13/computer/ubuntu/jenkins-agent.jnlp  
-secret  
fc0de992eaa87aaa115547ad0c86371368e5fecb3adcfc9bb16d709fd3492d43  
-workDir "/home/jenkins/jenkins-agent"
```

```
jenkins@jenkins:~/jenkins-agent$ ls -ltr  
total 1328  
-rwxrwxr-x 1 jenkins jenkins 1339992 Nov  8 14:41 agent.jar  
-rwxrwxr-x 1 jenkins jenkins   205 Nov  8 14:44 run-agent.sh  
drwxrwxr-x 4 jenkins jenkins   4096 Nov  8 14:44 remoting  
-rw----- 1 jenkins jenkins   8156 Nov  8 14:47 nohup.out  
jenkins@jenkins:~/jenkins-agent$ pwd  
/home/jenkins/jenkins-agent  
jenkins@jenkins:~/jenkins-agent$
```