

## 1- Create docker file to build image for jenkins slave

The screenshot shows the Play-with-Docker web interface. On the left, there's a sidebar with a digital clock showing 03:33:04, a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button. Below that, a list of instances shows '192.168.0.18 node1'. The main area displays details for the container 'c5i88nnn\_c5i89avnjsv0009pc3o0', including its IP (192.168.0.18), memory usage (1.10% / 44.15MiB / 3.906GiB), and CPU usage (0.18%). There are 'OPEN PORT', 'DELETE', and 'EDITOR' buttons. At the bottom, a terminal window shows the Dockerfile content:

```
1 FROM ubuntu
2 USER root
3 RUN mkdir jenkins_home && chmod 777 jenkins_home
4 WORKDIR jenkins_home
5 RUN apt-get update && apt-get install -y
6 RUN apt-get install openjdk-8-jdk -y
7 RUN apt-get install openssh-server -y
8 RUN service ssh start
9 RUN apt-get install vim -y
10 RUN mkdir ~/.ssh
11 RUN cd ~/.ssh && touch authorized_keys
12 CMD ["bash"]
```

## 2- Create container from this image and configure ssh

02:52:13

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18  
node1

c5i88nnn\_c5i89avnjsv0009pc3o0

IP: 192.168.0.18 OPEN PORT

Memory: 33.74% (1.318GiB / 3.906GiB)

CPU: 0.55%

SSH: ssh ip172-18-0-8-c5i88nnnjsv0009pc3kg@direct.labs.play-with-docker.com

DELETE EDITOR

```

1 FROM ubuntu
2 USER root
3 RUN mkdir jenkins_home
4 RUN chmod 777 jenkins_home
5 WORKDIR jenkins_home
6 RUN apt-get update -y
7 RUN apt-get install openjdk-8-jdk -y
8 RUN apt-get install openssh-server -y
9 RUN service ssh start
10 RUN apt-get install vim -y
11 RUN mkdir ~/.ssh
12 RUN ed ~/.ssh && touch authorized_keys
13 CMD ["bash"]
  
```

### 3- From jenkins master create new node with the slave container

Live session 30 | Inbox (229) - m... Adding a Jenkins Dockerfile Cheats Docker Playground Nodes [Jenkins] X test/id\_rsa at m... Docker Hub How to get IP as...

ip172-18-0-24-c5j295nnjsv000dgnfn0-8080.direct.labs.play-with-docker.com/computer/

Jenkins

search

Dashboard Nodes

Back to Dashboard

Manage Jenkins

New Node

Configure Clouds

Node Monitoring

Build Queue

No builds in the queue.

Build Executor Status

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	master	Linux (amd64)	In sync	3.92 GB	0 B	3.92 GB	0m
2	slave	N/A	N/A	N/A	N/A	N/A	N/A

Data obtained 50 min 50 min 50 min 50 min 50 min 50 min

Refresh status

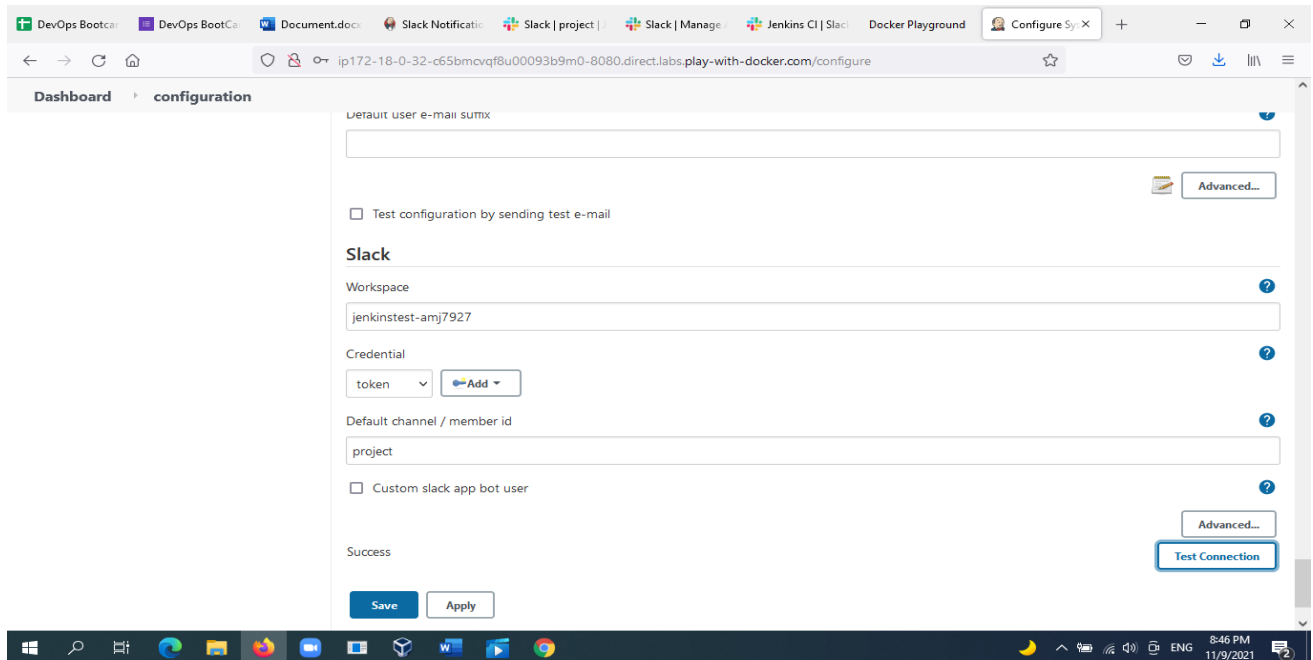
master

1 Idle

2 Idle

slave (offline)

### 4- Integrate slack with jenkins



## 5- Send slack message when stage in your pipeline is successful

