

Deploy apache app via writing a dockerfile

```
FROM ubuntu
RUN apt update
RUN apt install apache2 -y
RUN apt install git -y
MAINTAINER akshat
EXPOSE 80
RUN rm -rf /var/www/html/index.html
RUN git clone https://github.com/akshu20791/apachewebsite /var/www/html
CMD apachectl -D FOREGROUND
```

~

```
root@ip-172-31-4-44:/home/ubuntu# docker build -t myimg .
DEPRECATEDE: The legacy builder is deprecated and will be removed in a fu
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 13.31kB
Step 1/9 : FROM ubuntu
1:51.61 1/550 0
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
myimg	latest	efcee4b4b2d3	22 seconds ago	264MB
jenkins/jenkins	latest	220a3c5d0037	3 days ago	471MB
ubuntu	latest	bf16bdcff9c9	2 weeks ago	78.1MB

We will create a container via this docker image

**docker run -p 1111:80 -dt --name webapp3 myimg**

## -dt : detached terminal: you will not enter inside the container after it is created  
## -p 1111:80 : 1111 port of the machine will be exposed to port 80 of the container

```
root@ip-172-31-4-44:/home/ubuntu# docker run -p 1111:80 -dt --name webapp3 myimg
0b62188d26092d4f3f9654457c4b4d9329abe52816cac4e2ce0c717d67befb4c
root@ip-172-31-4-44:/home/ubuntu#
```

Go to the security of the machine and enable the port 1111

## Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol	Port range <small>Info</small>	Source <small>Info</small>	Description
sgr-059fa8ed96ad135ca	Custom TCP ▾	TCP	1234	Cu... ▾	<input type="text"/> <span>Search</span>
sgr-033a790091c1898f4	SSH ▾	TCP	22	Cu... ▾	<input type="text"/> 0.0.0.0/0 <span>X</span>
sgr-0b0245c05b67b6355	Custom TCP ▾	TCP	2025	Cu... ▾	<input type="text"/> 0.0.0.0/0 <span>X</span>
-	Custom TCP ▾	TCP	1111	An... ▾	<input type="text"/> 0.0.0.0/0 <span>X</span>

[Add rule](#)

