

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 .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             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
```

```

root@ip-172-31-4-44:/home/ubuntu# docker images
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

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

Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Descr
sgr-059fa8ed96ad135ca	Custom TCP	TCP	1234	Cu...	0.0.0.0/0
sgr-033a790091c1898f4	SSH	TCP	22	Cu...	0.0.0.0/0
sgr-0b0245c05b67b6355	Custom TCP	TCP	2025	Cu...	0.0.0.0/0
-	Custom TCP	TCP	1111	An...	0.0.0.0/0

Add rule

