

Inbox (16,095)

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Docker-Assignment-4

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Docker Hub

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Apache2 Ubuntu Def

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https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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Ohio

aarambh-user1 @ 3425-0804-7718

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	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Z
<input type="checkbox"/>	NagiosServer	i-0706a3b62b5fea63a	⏸ Stopped	t2.micro	–	No alarms +	us-east-2b
<input checked="" type="checkbox"/>	AnsibleNode2	i-0d8eac04e9843e954	🟢 Running	t2.micro	🟢 2/2 checks passed	No alarms +	us-east-2b

Instance: i-0d8eac04e9843e954 (AnsibleNode2)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary

Info

Instance ID

📄 i-0d8eac04e9843e954 (AnsibleNode2)

IPv6 address

–

Public IPv4 address

copied

Instance state

🟢 Running

Private IPv4 addresses

📄 172.31.27.208

Public IPv4 DNS

📄 ec2-18-118-241-140.us-east-2.compute.amazonaws.com

Feedback

English (US)

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16:49

22/03/2022


```
[ec2-user@ip-172-31-27-208 ~]$ sudo su -  
[root@ip-172-31-27-208 ~]# yum update -y  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
No packages marked for update  
[root@ip-172-31-27-208 ~]#  
[root@ip-172-31-27-208 ~]# yum install docker.io -y  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
No package docker.io available.  
Error: Nothing to do  
[root@ip-172-31-27-208 ~]# yum install docker -y  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
Resolving Dependencies  
--> Running transaction check  
---> Package docker.x86_64 0:20.10.7-5.amzn2 will be installed  
--> Processing Dependency: runc >= 1.0.0 for package: docker-20.10.7-5.amzn2.x86_64  
--> Processing Dependency: libcgrouper >= 0.40.rc1-5.15 for package: docker-20.10.7-5.amzn2.x86_64  
--> Processing Dependency: containerd >= 1.3.2 for package: docker-20.10.7-5.amzn2.x86_64  
--> Processing Dependency: pigz for package: docker-20.10.7-5.amzn2.x86_64  
--> Running transaction check  
---> Package containerd.x86_64 0:1.4.6-8.amzn2 will be installed  
---> Package libcgrouper.x86_64 0:0.41-21.amzn2 will be installed  
---> Package pigz.x86_64 0:2.3.4-1.amzn2.0.1 will be installed  
---> Package runc.x86_64 0:1.0.0-2.amzn2 will be installed  
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====
```



```
[root@ip-172-31-27-208 ~]# service docker start
Redirecting to /bin/systemctl start docker.service
[root@ip-172-31-27-208 ~]# service docker status
Redirecting to /bin/systemctl status docker.service
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor preset: disabled)
   Active: active (running) since Tue 2022-03-22 11:00:31 UTC; 4s ago
     Docs: https://docs.docker.com
   Process: 3466 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
   Process: 3465 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
  Main PID: 3469 (dockerd)
    Tasks: 7
   Memory: 37.2M
   CGroup: /system.slice/docker.service
           └─3469 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont...
```

```
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
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Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal systemd[1]: Start...
Mar 22 11:00:31 ip-172-31-27-208.us-east-2.compute.internal dockerd[3469]: ti...
Hint: Some lines were ellipsized, use -l to show in full.
```

```
[root@ip-172-31-27-208 ~]#
[root@ip-172-31-27-208 ~]# ls
[root@ip-172-31-27-208 ~]# vi Dockerfile
```

```
[root@ip-172-31-27-208 ~]# vi Dockerfile
[root@ip-172-31-27-208 ~]# ls
Dockerfile
[root@ip-172-31-27-208 ~]# which apache2
/usr/bin/which: no apache2 in (/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin
:/root/bin)
[root@ip-172-31-27-208 ~]# docker build -t myimg .
Sending build context to Docker daemon 10.75kB
Step 1/7 : FROM ubuntu
latest: Pulling from library/ubuntu
4d32b49e2995: Pull complete
Digest: sha256:bea6d19168bbfd6af8d77c2cc3c572114eb5d113e6f422573c93cb605a0e2ffb
Status: Downloaded newer image for ubuntu:latest
---> ff0fea8310f3
Step 2/7 : RUN apt-get update
---> Running in 82736b0cb67c
Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages
[1054 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1673
kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [
859 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages
[25.8 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB
]
Get:12 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
```



```
---> Running in 692a571832c5
Removing intermediate container 692a571832c5
---> 8f3870db4755
Successfully built 8f3870db4755
Successfully tagged myimg:latest
[root@ip-172-31-27-208 ~]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
myimg         latest    8f3870db4755   11 seconds ago 222MB
ubuntu        latest    ff0fea8310f3   4 days ago    72.8MB
[root@ip-172-31-27-208 ~]# docker run -td --name mycont -p 81:80 myimg
a3a67dc40b99a1dd6419b441b2c5fbd993c82968654e10d0ee8d4a7567629c9d
[root@ip-172-31-27-208 ~]# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
a3a67dc40b99   myimg      "/bin/sh -c 'apachec..." 9 seconds ago  Up 8 seconds  0.0.0.0:81->80/tcp
, :::81->80/tcp   mycont
[root@ip-172-31-27-208 ~]# docker exec -it mycont /bin/bash
root@a3a67dc40b99:/# apt update
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
root@a3a67dc40b99:/# service apache2 status
* apache2 is running
root@a3a67dc40b99:/# history
1  apt update
2  service apache2 status
3  history
root@a3a67dc40b99:/#
```




ubuntu

Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

```
root@a3a67dc40b99:/# exit
exit
[root@ip-172-31-27-208 ~]# ls
Dockerfile
[root@ip-172-31-27-208 ~]# cat Dockerfile
FROM ubuntu
RUN apt-get update
RUN DEBIAN_FRONTEND="noninteractive" apt-get -y install tzdata
RUN apt-get -y install apache2
ADD . /var/www/html
ENTRYPOINT apachectl -D FOREGROUND
ENV name mohit
[root@ip-172-31-27-208 ~]# history
 1  yum update -y
 2  yum install docker.io -y
 3  yum install docker -y
 4  docker --version
 5  service docker status
 6  service docker start
 7  service docker status
 8  ls
 9  vi Dockerfile
10  ls
11  which apache2
12  docker build -t myimg .
13  docker images
14  docker run -td --name mycont -p 81:80 myimg
15  docker ps
16  docker exec -it mycont /bin/bash
17  ls
18  cat Dockerfile
19  history
[root@ip-172-31-27-208 ~]#
```