

3.82.1.92 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

5. 3.82.1.92 (ubuntu)

ubuntu@ip-172-31-1-225:~\$ sudo docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
assignment2	latest	c79e86774b57	12 minutes ago	228MB
ubuntu	latest	74f2314a03de	9 days ago	77.8MB

ubuntu@ip-172-31-1-225:~\$ sudo docker tag c79e86774b57 hitchhikingdevops/Assig3

Error parsing reference: "hitchhikingdevops/Assig3" is not a valid repository/tag: invalid reference format: repository name must be lowercase

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ubuntu	latest	74f2314a03de	9 days ago	77.8MB

ubuntu@ip-172-31-1-225:~\$

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3.82.1.92 (ubuntu)

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ubuntu@ip-172-31-1-225:~\$ sudo docker login

Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to <https://hub.docker.com> to create one.

Username: hitchhikingdevops

Password:

WARNING! Your password will be stored unencrypted in /root/.docker/config.json. Configure a credential helper to remove this warning. See <https://docs.docker.com/engine/reference/commandline/login/#credentials-store>

Login Succeeded

ubuntu@ip-172-31-1-225:~\$

Logged In

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3.82.1.92 (ubuntu)

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Quick connect...

5. 3.82.1.92 (ubuntu)

home/ubuntu/

Name

- ..
- .cache
- .ssh
- .bash_history
- .bash_logout
- .bashrc
- .profile
- .sudo_as_admin_successful
- .Xauthority

```
ubuntu@ip-172-31-1-225:~$ sudo docker images
REPOSITORY    TAG       IMAGE ID      CREATED        SIZE
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Username: hitchhikingdevops
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ubuntu@ip-172-31-1-225:~$ sudo docker push hitchhikingdevops/assig3
Using default tag: latest
The push refers to repository [docker.io/hitchhikingdevops/assig3]
1e0f08eeee18: Pushing [=====>] 41.48MB/150.2MB
202fe64c3ce3: Mounted from library/ubuntu
```

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hub.docker.com/u/hitchhikingdevops

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Wasm is a fast, light alternative to Linux containers - try it out today with the Docker+Wasm Beta.


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hitchhikingdevops/assig3 · 0 · 0

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

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Scheduled Instances
Capacity Reservations

Images
AMIs
AMI Catalog

Elastic Block Store
Volumes
Snapshots
Lifecycle Manager

Network & Security
Security Groups

Instances (1/2) Info

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elast
<input checked="" type="checkbox"/>	docker-test2	i-03f7d7a2a32131ca0	Running	t2.micro	-	No alarms	us-east-1b	ec2-3-91-86-168.comp...	3.91.86.168	-
<input type="checkbox"/>	DockerAssign	i-002276c5f4b74e7e6	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-3-82-1-92.compute...	3.82.1.92	-

Instance: i-03f7d7a2a32131ca0 (docker-test2)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary Info

Instance ID
i-03f7d7a2a32131ca0 (docker-test2)

IPv6 address
-

Hostname type
IP name: ip-172-31-1-177.ec2.internal

Answer private resource DNS name
IPv4 (A)

Auto-assigned IP address
3.91.86.168 [Public IP]

IAM Role

Public IPv4 address copied

Public IPv4 address
3.91.86.168 | open address

Instance state
Running

Private IP DNS name (IPv4 only)
ip-172-31-1-177.ec2.internal

Instance type
t2.micro

VPC ID
vpc-0edaf386f342a5d9f

Subnet ID
subnet-9d9567e4b1e11d9f (subnet-1)

Private IPv4 addresses
172.31.1.177

Public IPv4 DNS
ec2-3-91-86-168.compute-1.amazonaws.com | open address

Elastic IP addresses
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name

Feedback Language

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3.91.86.168 (ubuntu)

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Quick connect...

5. 3.82.1.92 (ubuntu) 7. 3.91.86.168 (ubuntu)

ubuntu@ip-172-31-1-177:~\$ sudo apt install docker.io -y

Reading package lists ... Done
Building dependency tree
Reading state information ... Done
The following additional packages will be installed:
bridge-utils containerd dns-root-data dnsmasq-base libidn11 pigz runc ubuntu-fan
Suggested packages:
ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse | zfsutils
The following NEW packages will be installed:
bridge-utils containerd dns-root-data dnsmasq-base docker.io libidn11 pigz runc ubuntu-fan
0 upgraded, 9 newly installed, 0 to remove and 42 not upgraded.
Need to get 66.1 MB of archives.
After this operation, 293 MB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 bridge-utils amd64 1.6-2ubuntu1 [30.5 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 runc amd64 1.1.4-0ubuntu1~20.04.1 [3817 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 containerd amd64 1.6.12-0ubuntu1~20.04.1 [31.4 MB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 dns-root-data all 2019052802 [5300 B]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libidn11 amd64 1.33-2.2ubuntu2 [46.2 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 dnsmasq-base amd64 2.80-1.1ubuntu1.6 [315 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 docker.io amd64 20.10.21-0ubuntu1~20.04.1 [30.3 MB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 ubuntu-fan all 0.12.13ubuntu0.1 [34.4 kB]
Fetched 66.1 MB in 4s (17.8 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 61862 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...
Unpacking pigz (2.4-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.6-2ubuntu1_amd64.deb ...
Unpacking bridge-utils (1.6-2ubuntu1) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1.1.4-0ubuntu1~20.04.1_amd64.deb ...
Unpacking runc (1.1.4-0ubuntu1~20.04.1) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.6.12-0ubuntu1~20.04.1_amd64.deb ...
Unpacking containerd (1.6.12-0ubuntu1~20.04.1) ...
Selecting previously unselected package dns-root-data.
Preparing to unpack .../4-dns-root-data_2019052802_all.deb ...
Unpacking dns-root-data (2019052802) ...
Selecting previously unselected package libidn11:amd64.
Preparing to unpack .../5-libidn11_1.33-2.2ubuntu2_amd64.deb ...
Unpacking libidn11:amd64 (1.33-2.2ubuntu2) ...
Selecting previously unselected package dnsmasq-base.
Preparing to unpack .../6-dnsmasq-base_2.80-1.1ubuntu1.6_amd64.deb ...
Unpacking dnsmasq-base (2.80-1.1ubuntu1.6) ...
Selecting previously unselected package docker.io.
Preparing to unpack .../7-docker.io_20.10.21-0ubuntu1~20.04.1_amd64.deb ...
Unpacking docker.io (20.10.21-0ubuntu1~20.04.1) ...
Selecting previously unselected package ubuntu-fan.
Preparing to unpack .../8-ubuntu-fan_0.12.13ubuntu0.1_all.deb ...
Unpacking ubuntu-fan (0.12.13ubuntu0.1) ...
Setting up runc (1.1.4-0ubuntu1~20.04.1) ...
Setting up dns-root-data (2019052802) ...
Setting up libidn11:amd64 (1.33-2.2ubuntu2) ...
Setting up bridge-utils (1.6-2ubuntu1) ...
Setting up pigz (2.4-1) ...
Setting up containerd (1.6.12-0ubuntu1~20.04.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.

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Quick connect...

5. 3.82.1.92 (ubuntu) 7. 3.91.86.168 (ubuntu)

```
ubuntu@ip-172-31-1-177:~$ sudo docker pull hitchhikingdevops/assig3
Using default tag: latest
latest: Pulling from hitchhikingdevops/assig3
76769433fd8a: Pull complete
d6201e6f5490: Pull complete
Digest: sha256:040fb3f065141908dfc8c2385987bb6081eb9de485755846087f7dfedccde822
Status: Downloaded newer image for hitchhikingdevops/assig3:latest
docker.io/hitchhikingdevops/assig3:latest
ubuntu@ip-172-31-1-177:~$ sudo docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
hitchhikingdevops/assig3  latest     c79e86774b57  30 minutes ago  228MB
ubuntu@ip-172-31-1-177:~$
```

hitchhikingdevops/assig3 latest c79e86774b57 30 minutes ago 228MB

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latest: Pulling from hitchhikingdevops/assig3
76769433fd8a: Pull complete
d6201e6f5490: Pull complete
Digest: sha256:040fb3f065141908dfc8c2385987bb6081eb9de485755846087f7dfedccde822
Status: Downloaded newer image for hitchhikingdevops/assig3:latest
docker.io/hitchhikingdevops/assig3:latest
ubuntu@ip-172-31-1-177:~$ sudo docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
hitchhikingdevops/assig3  latest     c79e86774b57  30 minutes ago  228MB
ubuntu@ip-172-31-1-177:~$ sudo docker run -itd -p 80:80 hitchhikingdevops/assig3
2a6c60402e92ecf5da7622199ee22eed147de212776bca632104eff46df6e65a
ubuntu@ip-172-31-1-177:~$ sudo docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED        STATUS        PORTS                               NAMES
2a6c60402e92   hitchhikingdevops/assig3  "/bin/bash"             24 seconds ago  Up 23 seconds  0.0.0.0:80→80/tcp, :::80→80/tcp  dreamy_nobel
ubuntu@ip-172-31-1-177:~$ sudo docker exec -it 2a6c60402e92 bash
root@2a6c60402e92:/# service apache2 start
* Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
*
root@2a6c60402e92:/# service apache2 status
* apache2 is running
root@2a6c60402e92:/#
```

home/ubuntu/

Name

...

.cache

.ssh

.bash_logout

.bashrc

.profile

.xauthority

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Apache2 Default Page

Ubuntu

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
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.