

Chapter 3:

```
ubuntu $ sudo docker info
Client:
 Version:      24.0.5
 Context:      default
 Debug Mode:   false

Server:
 Containers: 0
  Running: 0
  Paused: 0
  Stopped: 0
 Images: 0
 Server Version: 24.0.5
 Storage Driver: overlay2
  Backing Filesystem: extfs
  Supports d_type: true
  Using metacopy: false
  Native Overlay Diff: true
  userxattr: false
 Logging Driver: json-file
 Cgroup Driver: systemd
 Cgroup Version: 1
 Plugins:
  Volume: local
  Network: bridge host ipvlan macvlan null overlay
  Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog
 Swarm: inactive
 Runtimes: io.containerd.runc.v2 runc
 Default Runtime: runc
 Init Binary: docker-init
 containerd version:
 runc version:
 init version:
 Security Options:
  apparmor
  seccomp
   Profile: builtin
 Kernel Version: 5.4.0-131-generic
 Operating System: Ubuntu 20.04.5 LTS
 OSTYPE: linux
 Architecture: x86_64
 CPUs: 1
 Total Memory: 1.937GiB
 Name: ubuntu
 ID: 8cb4dc94-a776-4beb-9e6d-0cf9d7cea92b
 Docker Root Dir: /var/lib/docker
 Debug Mode: false
 Experimental: false
 Insecure Registries:
  127.0.0.0/8
```

```
ubuntu $ sudo docker run -i -t ubuntu /bin/bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
bccd10f490ab: Pull complete
Digest: sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e
Status: Downloaded newer image for ubuntu:latest
root@aa5083d6ad00:/#
```

```
root@aa5083d6ad00:/# hostname
aa5083d6ad00
root@aa5083d6ad00:/# cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
172.17.0.2       aa5083d6ad00
root@aa5083d6ad00:/# hostname -I
172.17.0.2
root@aa5083d6ad00:/# apt-get update; apt-get install vim
Get:1 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1951 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1561 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [44.6 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [1076 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [50.4 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1843 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1994 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1349 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [50.4 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.1 kB]
Fetched 30.2 MB in 4s (7628 kB/s)
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
```


CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O	PIDS
b4995f44585b	daemon_dave	0.05%	804KiB / 1.937GiB	0.04%	946B / 0B	0B / 0B	2
2917377c7aac	daemon_dwayne	0.00%	0B / 0B	0.00%	0B / 0B	0B / 0B	0

```
ubuntu $ sudo docker inspect daemon_alice
[
  {
    "Id": "c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9",
    "Created": "2024-03-08T11:16:46.65439667Z",
    "Path": "/bin/sh",
    "Args": [
      "-c",
      "while true; do echo hello; sleep 1; done"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 5301,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2024-03-08T11:16:46.950481127Z",
      "FinishedAt": "0001-01-01T00:00:00Z"
    },
    "Image": "sha256:ca2b0f26964cf2e80ba3e084d5983dab293fdb87485dc6445f3f7bbfc89d7459",
    "ResolvConfPath": "/var/lib/docker/containers/c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9/hostname",
    "HostsPath": "/var/lib/docker/containers/c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9/hosts",
    "LogPath": "/var/lib/docker/containers/c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9/c1a9a04f53c03b8a85b16c44042490e84feb1231266e46d0c8a64a91a61e40b9-json.log",
    "Name": "/daemon_alice",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "docker-default",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": null,
      "ContainerIDFile": "",
      "LogConfig": {
```

```
ubuntu $ sudo docker inspect --format='{{ .State.Running }}' daemon_alice
true
ubuntu $
```

```
ubuntu $ sudo docker rm -f `sudo docker ps -a -q`
c1a9a04f53c0
2917377c7aac
b4995f44585b
f0157542724c
08623039689d
ubuntu $
```

Chapter 4:

```
ubuntu $ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        latest    ca2b0f26964c   9 days ago    77.9MB
ubuntu $ docker pull ubuntu:18.04
18.04: Pulling from library/ubuntu
7c457f213c76: Pull complete
Digest: sha256:152dc042452c496007f07ca9127571cb9c29697f42acbfad72324b2
Status: Downloaded newer image for ubuntu:18.04
docker.io/library/ubuntu:18.04
ubuntu $ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        latest    ca2b0f26964c   9 days ago    77.9MB
ubuntu        18.04     f9a80a55f492   9 months ago   63.2MB
ubuntu $
```

```
ubuntu $ sudo docker pull fedora:21
21: Pulling from library/fedora
fcd6e4a4c06: Extracting [>] 557.1kB/92.47MB
fcd6e4a4c06: Pull complete
Digest: sha256:a268e5e12257c7770eb44c24041baf5e728fba2eed1a84f007b81845ded0a485
Status: Downloaded newer image for fedora:21
docker.io/library/fedora:21
ubuntu $ docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        latest    ca2b0f26964c   9 days ago    77.9MB
ubuntu        18.04     f9a80a55f492   9 months ago   63.2MB
fedora        21        ba6369d667d1   7 years ago    241MB
ubuntu $
```

```

ubuntu $ sudo docker pull jamtur01/puppetmaster
Using default tag: latest
latest: Pulling from jamtur01/puppetmaster
Image docker.io/jamtur01/puppetmaster:latest uses outdated schema1 manifest format.
ge for better future compatibility. More information at https://docs.docker.com/regi
a3ed95caeb02: Already exists
6e71c809542e: Already exists
d196a7609355: Already exists
08f6dffa5acea: Already exists
ce6553203d0: Already exists
d1f76d0972bd: Already exists
c9ed023cc2c9: Already exists
Digest: sha256:2eedcf4cbe50f7052b420b2b125969873872d76ce36752f04f5160160acd1258
Status: Image is up to date for jamtur01/puppetmaster:latest
docker.io/jamtur01/puppetmaster:latest
ubuntu $ sudo docker run -t -t jamtur01/puppetmaster /bin/bash
root@d1d15ae7af17:/# facter
^C^C
root@d1d15ae7af17:/#

```

```

ubuntu $ docker commit b7eb2884ede jamptur-1/apache2
Error response from daemon: No such container: b7eb2884ede
ubuntu $ docker commit b7eb52884ede jamptur-1/apache2
sha256:d0b30f45645085c4a5e26b118d057a396032cb1d8c4b4a7cd2ef8846519529d9d
ubuntu $ sudo docker images jamtur01/apache2
REPOSITORY    TAG       IMAGE ID    CREATED     SIZE
ubuntu $ sudo docker images
REPOSITORY    TAG       IMAGE ID    CREATED     SIZE
jamptur-1/apache2  latest    d0b30f456450  25 seconds ago  235MB
ubuntu        latest    ca2b0f26964c  9 days ago    77.9MB
ubuntu $

```

```

ubuntu $ sudo docker commit -m "custom" -a "jems" b7eb52884ede jamtur01/apache2:webse
rver
sha256:2c3f72f887c0db21102312148b1de1a6d077402bca8f9ecb4946f6fda2527b50
ubuntu $ sudo docker run -t -i jamtur01/apache2:webserver
root@13bd3ab23fd1:/# /bin/bash
root@13bd3ab23fd1:/# service apache2 status
* apache2 is not running
root@13bd3ab23fd1:/#

```



```

exit
ubuntu $ mkdir static_web
ubuntu $ cd static_web/
ubuntu $ touch Dockerfile
ubuntu $ nano Dockerfile
ubuntu $ sudo docker build -t="jamtur01/static_web" .
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  2.048kB
Step 1/5 : FROM ubuntu:18.04
18.04: Pulling from library/ubuntu
7c457f213c76: Pull complete
Digest: sha256:152dc042452c496007f07ca9127571cb9c29697f42acbfad72324b2bb2e43c98
Status: Downloaded newer image for ubuntu:18.04
--> f9a80a55f492
Step 2/5 : LABEL maintainer="marino@example.com"
--> Running in 7118eca6ea55
Removing intermediate container 7118eca6ea55
--> ec4fa6ed5b7e
Step 3/5 : RUN apt-get update; apt-get install -y nginx
--> Running in f0b1f62fce14
Get:1 http://archive.ubuntu.com/ubuntu bionic InRelease [242 kB]
Get:2 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [81.3 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [11.3 MB]
Get:6 http://archive.ubuntu.com/ubuntu bionic/restricted amd64 Packages [13.5 kB]
Get:7 http://archive.ubuntu.com/ubuntu bionic/main amd64 Packages [1344 kB]
Get:8 http://archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [188 kB]
Get:9 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [378.8 kB]
Get:10 http://archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [172
8kB]

```

```

Successfully tagged jamtur01/static_web:latest
ubuntu $ docker images

```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
jamtur01/static_web	latest	dc5277b874db	About a minute ago	169MB
jamtur01/apache2	webserver	2c3f72f887c0	5 minutes ago	235MB
jamptur-1/apache2	latest	d0b30f456450	10 minutes ago	235MB
ubuntu	latest	ca2b0f26964c	9 days ago	77.9MB
ubuntu	18.04	f9a80a55f492	9 months ago	63.2MB

```

ubuntu $

```

```

ubuntu $ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
jamtur01/static_web latest             dc5277b874db       About a minute ago 169MB
jamtur01/apache2    webserver         2c3f72f887c0       5 minutes ago      235MB
jamptur-1/apache2   latest           d0b30ef456450       10 minutes ago      235MB
ubuntu              latest           ca2b0ef26964c       9 days ago          77.9MB
ubuntu              18.04            f9a80a55f492       9 months ago        63.2MB
ubuntu $ sudo docker run -d -p 80 -name static_web jamtur01/static_web nginx -g "daemon off;"
unknown shorthand flag: 'n' in -name
See 'docker run --help'.
ubuntu $ sudo docker run -d -p 80 --name static_web jamtur01/static_web nginx -g "daemon off;"
1200c650f80350d980e06da27b9aa9354f65eeb7f1edea34f05a3d7f144303d8
ubuntu $ sudo docker run -d -p 8080:80 --name static_web_8080 jamtur01/static_web nginx -g "daemon off;"
677a04a1b588ab46805012b347177f2fc80e3a61327abd3a4d80cf26a231eac7c
ubuntu $ sudo docker run -d -p 127.0.0.1:80:80 --name static_web_lb
"docker run" requires at least 1 argument.
See 'docker run --help'.

Usage:  docker run [OPTIONS] IMAGE [COMMAND] [ARG...]

Create and run a new container from an image
ubuntu $ jamtur01/static_web nginx -g "daemon off;"
bash: jamtur01/static_web: No such file or directory
ubuntu $ sudo docker run -d -p 127.0.0.1:80:80 -n st_wb_lb jamtur01/static_web nginx -g "daemon off;"
unknown shorthand flag: 'n' in -n
See 'docker run --help'.
ubuntu $ sudo docker run -d -p 127.0.0.1:80:80 --name st_wb_lb jamtur01/static_web nginx -g "daemon off;"
b5c5b79ea4450cfbbab1809f62967f1a4803410269ef4f7655f09657e27422e3
ubuntu $ sudo docker run -d -p 127.0.0.1:80 --name st_wb_random jamtur01/static_web nginx -g "daemon off;"
docker: Invalid hostPort: 127.0.0.1.
See 'docker run --help'.
ubuntu $ sudo docker run -d -p 127.0.0.1:80 --name st_wb_random jamtur01/static_web nginx -g "daemon off;"
2400ce5ff1717ca2d205204f7f9299564be9d3b292d7f5c578dc468316583218
ubuntu $ sudo docker run -d -P --name st_wb_allm jamtur01/static_web nginx -g "daemon off;"
e403365cb9b2a16b9c90ea6a807345b7e2f1bf8206a20de927ca0803641db744
ubuntu $ docker ps -l
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS
PORTS         NAMES
e403365cb9b2   jamtur01/static_web "nginx -g 'daemon cf..." 29 seconds ago Up 27
seconds       0.0.0.0:32770->80/tcp, :::32769->80/tcp st_wb_allm
ubuntu $ curl localhost:32770
Hi, i am in your ocntainer
ubuntu $

```




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marinojak/static_web ☆

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↓ Pulls 0

Image

Overview

Tags



No overview available

This repository doesn't have an overview

Docker Pull Command

```
docker pull marinojak/static_web
```

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