

Docker Desktop Upgrade plan Search piyush...

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Containers Give feedback

A container part of the Docker Desktop application.

Only [ ]

piyushdubey — root@490929b8caa8: /CA01 — zsh — 101x34

```
[base] piyushdubey@Piyush-MacBook-Air ~ % docker --version
Docker version 20.10.22, build 3a2c30b
[base] piyushdubey@Piyush-MacBook-Air ~ % docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
8b150fd943bc: Pull complete
Digest: sha256:9a0bbde4188b896a372804be2384015e90e3f84906b750c1a53539b585fbbe7f
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
[base] piyushdubey@Piyush-MacBook-Air ~ % docker run -it -d ubuntu
490929b8caa87e35d5e9398fb0a5f4cb9306cea39022b65da875e3ae657548b4
[base] piyushdubey@Piyush-MacBook-Air ~ % docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
490929b8caa8 ubuntu "/bin/bash" 32 seconds ago Up 31 seconds
[base] piyushdubey@Piyush-MacBook-Air ~ % docker exec -it 490929b8caa8 bash
root@490929b8caa8:/# ls
[bin dev home media opt root sbin sys usr
[boot etc lib mnt proc run srv tmp var
root@490929b8caa8:/# mkdir CA01
root@490929b8caa8:/# ls
[CA01 boot etc lib mnt proc run srv tmp var
[bin dev home media opt root sbin sys usr
root@490929b8caa8:/# cd CA01
root@490929b8caa8:/CA01# cat > abc.txt
[hello worldroot@490929b8caa8:/CA01# cat abc
[cat: abc: No such file or directory
root@490929b8caa8:/CA01# ls
abc.txt
[root@490929b8caa8:/CA01# cat abc.txt
hello worldroot@490929b8caa8:/CA01# exit
[exit
[base] piyushdubey@Piyush-MacBook-Air ~ % docker commit 490929b8caa8
sha256:1a531f7b01db9eafa5320f3fd5b9adff7655107859615aee8f9b291143da97d9
[base] piyushdubey@Piyush-MacBook-Air ~ %
```

Checking the version of docker after installing

Pulling an image from DockerHub

Running the bash from the ubuntu container and making some files inside it.

RAM 1.29 GB CPS 0.00% DISK 60.20 GB avail. of 60.27 GB Connected to Host

PDx

java terminal

linode

extras

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K

piyushdubey — root@490929b8caa8: /CA01 — com.docker.cli ◁ docker exec -it cf9a5541d6ca bash — 112x34

```
(base) piyushdubey@Piyush-MacBook-Air ~ % docker --version
Docker version 20.10.22, build 3a2c30b
(base) piyushdubey@Piyush-MacBook-Air ~ % docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
8b150fd943bc: Pull complete
Digest: sha256:9a0bdde4188b896a372804be2384015e90e3f84906b750c1a53539b585fbbe7f
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -it -d ubuntu
490929b8caa87e35d5e9398fb0a5f4cb9306cea39022b65da875e3ae657548b4
(base) piyushdubey@Piyush-MacBook-Air ~ % docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
490929b8caa8 ubuntu "/bin/bash" 32 seconds ago Up 31 seconds bold_mclean
(base) piyushdubey@Piyush-MacBook-Air ~ % docker exec -it 490929b8caa8 bash
root@490929b8caa8:/# ls
[bin dev home media opt root sbin sys usr
[boot etc lib mnt proc run srv tmp var
root@490929b8caa8:/# mkdir CA01
root@490929b8caa8:/# ls
[CA01 boot etc lib mnt proc run srv tmp var
[bin dev home media opt root sbin sys usr
root@490929b8caa8:/# cd CA01
root@490929b8caa8:/CA01# cat > abc.txt
[hello worldroot@490929b8caa8:/CA01# cat abc
[cat: abc: No such file or directory
[root@490929b8caa8:/CA01# ls
abc.txt
[root@490929b8caa8:/CA01# cat abc.txt
hello worldroot@490929b8caa8:/CA01# exit
[exit
(base) piyushdubey@Piyush-MacBook-Air ~ % docker commit 490929b8caa8
sha256:1a531f7b01db9eafa5320f3fd5b9adff7655107859615aee8f9b291143da97d9
(base) piyushdubey@Piyush-MacBook-Air ~ % docker pull nginx
```

Committing the saved changes , using docker commit [container id], so that if i wish i can push it to HUB

Committing the saved changes , using docker commit [container id], so that if i wish i can push it to HUB

```
% docker commit 490929b8caa8  
655107859615aee8f9b291143da97d9  
% docker pull nginx
```

A screenshot of a video player interface. At the top, there's a green header bar with a small ship icon. Below it, a white bar displays system status: RAM 0.93 GB, CPU 3.34%, Disk 50.18 GB avail. of 58.37 GB, and a 'Connected to Hub' message. On the right, it shows version v4.16.2 and a settings gear icon. The main area shows a video thumbnail for a 'Docker Tutorial' by 'codedamn'. The video has 332 likes and 22 dislikes. It includes buttons for 'Join', 'Subscribe' (which is highlighted in black), 'Share', 'Download', and a three-dot menu. To the right of the video, there's a 'GET STARTED' button and a link to 'verytutorial.com'. Below the video, another thumbnail for a 'Docker Tutorials' video by 'codedamn' is partially visible.

27K views 3 years ago Docker Tutorials



piyushdubey — root@490929b8caa8:/CA01— com.docker.cli ▾ docker exec -it cf9a5541d6ca bash — 127x45

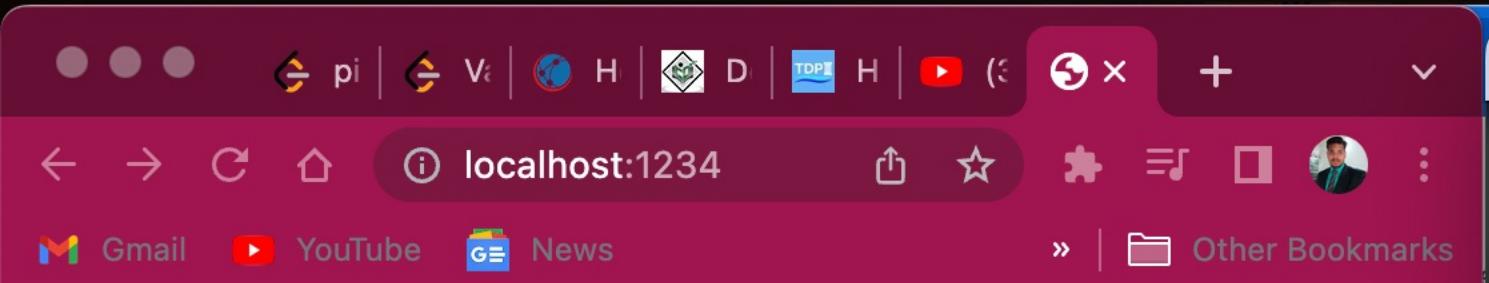
```
[base) piyushdubey@Piyush-MacBook-Air ~ % docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
5731adb3a4ab: Already exists
8785c8f663d3: Pull complete
023b6bd393e4: Pull complete
fd8f86b165b0: Pull complete
8f41e7c12976: Pull complete
3b5338ea7d08: Pull complete
Digest: sha256:6650513efd1d27c1f8a5351cbd33edf85cc7e0d9d0fcbb4ff23d8fa89b601ba8
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -p 80:80 nginx
docker: Error response from daemon: Ports are not available: exposing port TCP 0.0.0.0:80 -> 0.0.0.0:0: listen tcp 0.0.0.0:80: bind: address already in use.
(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -d nginx
cf9a5541d6ca6f88cbf79aa24adcfb93fb716de71bab1d9af1eb0eeef9d3
(base) piyushdubey@Piyush-MacBook-Air ~ % docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
cf9a5541d6ca nginx "/docker-entrypoint..." 6 seconds ago Up 5 seconds 80/tcp busy_kare
490929b8caa8 ubuntu "/bin/bash" 16 minutes ago Up 16 minutes bold_mclean
(base) piyushdubey@Piyush-MacBook-Air ~ % docker exec -it cf9a5541d6ca bash
[root@cf9a5541d6ca:/# apt update
Get:1 http://deb.debian.org/debian bullseye InRelease [116 kB]
Get:2 http://deb.debian.org/debian-security bullseye-security InRelease [48.4 kB]
Get:3 http://deb.debian.org/debian bullseye-updates InRelease [44.1 kB]
Get:4 http://deb.debian.org/debian bullseye/main arm64 Packages [8072 kB]
Get:5 http://deb.debian.org/debian-security/bullseye-security/main arm64 Packages [218 kB]
Get:6 http://deb.debian.org/debian bullseye-updates/main arm64 Packages [12.0 kB]
Fetched 8510 kB in 5s (1619 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
[root@cf9a5541d6ca:/# apt install curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (7.74.0-1.3+deb11u5).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
[root@cf9a5541d6ca:/# curl http://localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
```



piyushdubey — root@490929b8caa8:/CA01— com.docker.cli ▾ docker exec -it cf9a5541d6ca bash — 127x45

```
490929b8caa8  ubuntu  "/bin/bash"          16 minutes ago  Up 16 minutes      bold_mcLean
[(base) piyushdubey@Piyush-MacBook-Air ~ % docker exec -it cf9a5541d6ca bash
[root@cf9a5541d6ca:/# apt update
Get:1 http://deb.debian.org/debian bullseye InRelease [116 kB]
Get:2 http://deb.debian.org/debian-security bullseye-security InRelease [48.4 kB]
Get:3 http://deb.debian.org/debian bullseye-updates InRelease [44.1 kB]
Get:4 http://deb.debian.org/debian bullseye/main arm64 Packages [8072 kB]
Get:5 http://deb.debian.org/debian-security/bullseye/main arm64 Packages [218 kB]
Get:6 http://deb.debian.org/debian bullseye-updates/main arm64 Packages [12.0 kB]
Fetched 8510 kB in 5s (1619 kB/s)
Reading package lists... Done
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[root@cf9a5541d6ca:/# apt install curl
Reading package lists... Done
Building dependency tree... Done
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curl is already the newest version (7.74.0-1.3+deb11u5).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
[root@cf9a5541d6ca:/# curl http://localhost
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
root@cf9a5541d6ca:/#
```





# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

```
piyushdubey — root@490929b8caa8:/CA01— com.docker.cli - docker run -p 1234:80 nginx —
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
<p><em>Thank you for using nginx.</em></p>
</body>
</html>
[root@cf9a5541d6ca:/# exit
exit
(base) piyushdubey@Piyush-MacBook-Air ~ % docker run -p 1234:80 nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/02/09 18:41:59 [notice] 1#1: using the "epoll" event method
2023/02/09 18:41:59 [notice] 1#1: nginx/1.23.3
2023/02/09 18:41:59 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2023/02/09 18:41:59 [notice] 1#1: OS: Linux 5.15.49-linuxkit
2023/02/09 18:41:59 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/02/09 18:41:59 [notice] 1#1: start worker processes
2023/02/09 18:41:59 [notice] 1#1: start worker process 29
2023/02/09 18:41:59 [notice] 1#1: start worker process 30
2023/02/09 18:41:59 [notice] 1#1: start worker process 31
2023/02/09 18:41:59 [notice] 1#1: start worker process 32
172.17.0.1 - - [09/Feb/2023:18:42:16 +0000] "GET / HTTP/1.1" 200 615 "-" "Mozilla/5.0 (Macintosh; WebKit/537.36 (KHTML, like Gecko) Chrome/109.0.0.0 Safari/537.36) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/109.0.0.0 Safari/537.36"
2023/02/09 18:42:16 [error] 29#29: *2 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory)
172.17.0.1, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "localhost:1234", referrer: ""
172.17.0.1 - - [09/Feb/2023:18:42:16 +0000] "GET /favicon.ico HTTP/1.1" 404 555 "http://localhost:1234/favicon.ico" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/109.0.0.0 Safari/537.36"
```

