

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
#####
#                               #
#      WARNING!!!!              #
# This is a sandbox environment. Using personal credentials      #
# is HIGHLY! discouraged. Any consequences of doing so are      #
# completely the user's responsibilities.                          #
#                                                                   #
# The PWD team.                                                  #
#####
[node1] (local) root@192.168.0.28 ~
$ Gopal Kumar ^C
[node1] (local) root@192.168.0.28 ~
$ uname -a
Linux node1 4.4.0-210-generic #242-Ubuntu SMP Fri Apr 16 09:57:56 UTC 2021 x86_64
Linux
[node1] (local) root@192.168.0.28 ~
$ docker container run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:926fac19d22aa2d60f1a276b66a20eb765fbee2db5dbdaafeb456ad8ce81598
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/get-started/>

```
[node1] (local) root@192.168.0.28 ~
$ docker image pull alpine
Using default tag: latest
latest: Pulling from library/alpine
31e352740f53: Pull complete
Digest: sha256:82d1e9d7ed48a7523bdebc18cf6290bdb97b82302a8a9c27d4fe885949ea94d1
Status: Downloaded newer image for alpine:latest
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

Status: Downloaded newer image for alpine:latest

docker.io/library/alpine:latest

[node1] (local) root@192.168.0.28 ~

\$ docker image ls

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
alpine	latest	claabb73d233	4 weeks ago	7.33MB
hello-world	latest	9c7a54a9a43c	2 months ago	13.3kB

[node1] (local) root@192.168.0.28 ~

\$ docker container run alpine ls -l

total 8

drwxr-xr-x	2	root	root	4096	Jun 14 15:03	bin
drwxr-xr-x	5	root	root	340	Jul 15 05:37	dev
drwxr-xr-x	1	root	root	66	Jul 15 05:37	etc
drwxr-xr-x	2	root	root	6	Jun 14 15:03	home
drwxr-xr-x	7	root	root	243	Jun 14 15:03	lib
drwxr-xr-x	5	root	root	44	Jun 14 15:03	media
drwxr-xr-x	2	root	root	6	Jun 14 15:03	mnt
drwxr-xr-x	2	root	root	6	Jun 14 15:03	opt
dr-xr-xr-x	555	root	root	0	Jul 15 05:37	proc
drwx-----	2	root	root	6	Jun 14 15:03	root
drwxr-xr-x	2	root	root	6	Jun 14 15:03	run
drwxr-xr-x	2	root	root	4096	Jun 14 15:03	sbin
drwxr-xr-x	2	root	root	6	Jun 14 15:03	srv
drwxr-xr-x	13	root	root	0	Jun 13 2021	sys
drwxrwxrwt	2	root	root	6	Jun 14 15:03	tmp
drwxr-xr-x	7	root	root	66	Jun 14 15:03	usr

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
drwxrwxrwt    2 root    root          6 Jun 14 15:03 tmp
drwxr-xr-x    7 root    root         66 Jun 14 15:03 usr
drwxr-xr-x   12 root    root       137 Jun 14 15:03 var

[node1] (local) root@192.168.0.28 ~
$ docker container run alpine echo "hello from alpine"
hello from alpine
[node1] (local) root@192.168.0.28 ~
$ docker container run alpine /bin/sh
[node1] (local) root@192.168.0.28 ~
$ docker container run -it alpine /bin/sh
/ # ls -l
total 8
drwxr-xr-x    2 root    root       4096 Jun 14 15:03 bin
drwxr-xr-x    5 root    root       360 Jul 15 05:38 dev
drwxr-xr-x    1 root    root        66 Jul 15 05:38 etc
drwxr-xr-x    2 root    root         6 Jun 14 15:03 home
drwxr-xr-x    7 root    root      243 Jun 14 15:03 lib
drwxr-xr-x    5 root    root       44 Jun 14 15:03 media
drwxr-xr-x    2 root    root         6 Jun 14 15:03 mnt
drwxr-xr-x    2 root    root         6 Jun 14 15:03 opt
dr-xr-xr-x   579 root    root         0 Jul 15 05:38 proc
drwx-----   1 root    root       26 Jul 15 05:38 root
drwxr-xr-x    2 root    root         6 Jun 14 15:03 run
drwxr-xr-x    2 root    root     4096 Jun 14 15:03 sbin
drwxr-xr-x    2 root    root         6 Jun 14 15:03 srv
drwxr-xr-x   13 root    root         0 Jun 13  2021 sys
```

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
dr-xr-xr-x 579 root root 0 Jul 15 05:38 proc
drwx----- 1 root root 26 Jul 15 05:38 root
drwxr-xr-x 2 root root 6 Jun 14 15:03 run
drwxr-xr-x 2 root root 4096 Jun 14 15:03 sbin
drwxr-xr-x 2 root root 6 Jun 14 15:03 srv
drwxr-xr-x 13 root root 0 Jun 13 2021 sys
drwxrwxrwt 2 root root 6 Jun 14 15:03 tmp
drwxr-xr-x 7 root root 66 Jun 14 15:03 usr
drwxr-xr-x 12 root root 137 Jun 14 15:03 var
```

```
/ # uname -a
```

```
Linux 579ac3ef8f6e 4.4.0-210-generic #242-Ubuntu SMP Fri Apr 16 09:57:56 UTC 2021
```

```
x86_64 Linux
```

```
/ # exit
```

```
[node1] (local) root@192.168.0.28 ~
```

```
$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
		PORTS NAMES		
579ac3ef8f6e	alpine	"/bin/sh"	42 seconds ago	Exited
(0) 17 seconds ago		wonderful_volhard		
424f883910f0	alpine	"/bin/sh"	59 seconds ago	Exited
(0) 58 seconds ago		suspicious_sutherland		
89720169627b	alpine	"echo 'hello from al...'"	About a minute ago	Exited
(0) About a minute ago		amazing_ptolemy		
34e9c9f3752d	alpine	"ls -l"	About a minute ago	Exited
(0) About a minute ago		exciting_kepler		
7ca13e0ddbdb	hello-world	"/hello"	2 minutes ago	Exited

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

(0) About a minute ago exciting_kepler

7ca13e0ddbdb hello-world "/hello" 2 minutes ago Exited

(0) 2 minutes ago blissful_brown

[node1] (local) root@192.168.0.28 ~

\$ docker container run -it alpine /bin/ash

/ # ls

bin etc lib mnt proc run srv tmp var

dev home media opt root sbin sys usr

/ # echo "hello world" > hello.txt

/ # exit

[node1] (local) root@192.168.0.28 ~

\$ dockecr container run alpine ls

bash: dockecr: command not found

[node1] (local) root@192.168.0.28 ~

\$ docker container run alpine ls

bin

dev

etc

home

lib

media

mnt

opt

proc

root

run

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
proc
root
run
sbin
srv
sys
tmp
usr
var
```

```
[node1] (local) root@192.168.0.28 ~
```

```
$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
		PORTS NAMES		
e6cebe82be6f	alpine	"ls"	16 seconds ago	Exited
(0) 16 seconds ago		sharp_williams		
799d3e44a754	alpine	"/bin/ash"	About a minute ago	Exited
(0) About a minute ago		agitated_colden		
579ac3ef8f6e	alpine	"/bin/sh"	2 minutes ago	Exited
(0) 2 minutes ago		wonderful_volhard		
424f883910f0	alpine	"/bin/sh"	3 minutes ago	Exited
(0) 3 minutes ago		suspicious_sutherland		
89720169627b	alpine	"echo 'hello from al..."	3 minutes ago	Exited
(0) 3 minutes ago		amazing_ptolemy		
34e9c9f3752d	alpine	"ls -l"	4 minutes ago	Exited
(0) 3 minutes ago		exciting_kepler		
7ca13e0ddbdb	hello-world	"/hello"	5 minutes ago	Exited

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

(0) 3 minutes ago exciting_kepler

7ca13e0ddbdb hello-world "/hello" 5 minutes ago Exited

(0) 5 minutes ago blissful_brown

[node1] (local) root@192.168.0.28 ~

\$ docker container start 799d3e44a754

799d3e44a754

[node1] (local) root@192.168.0.28 ~

\$ docker container exec 799d3e44a754 ls

bin

dev

etc

hello.txt

home

lib

media

mnt

opt

proc

root

run

sbin

srv

sys

tmp

usr

var

If the commandline doesn't appear in the terminal, make sure popups are enabled or try resizing the browser window.

```
$ docker container start 799d3e44a754
```

```
799d3e44a754
```

```
[node1] (local) root@192.168.0.28 ~
```

```
$ docker container exec 799d3e44a754 ls
```

```
bin
```

```
dev
```

```
etc
```

```
hello.txt
```

```
home
```

```
lib
```

```
media
```

```
mnt
```

```
opt
```

```
proc
```

```
root
```

```
run
```

```
sbin
```

```
srv
```

```
sys
```

```
tmp
```

```
usr
```

```
var
```

```
[node1] (local) root@192.168.0.28 ~
```

```
$ Gopal Kumar ^C
```

```
[node1] (local) root@192.168.0.28 ~
```

```
$ █
```