

```
controlplane $ mkdir workdir-copy-add-exercise
controlplane $ cd workdir-copy-add-exercise
controlplane $ vi Dockerfile
controlplane $ touch index.html
controlplane $ vim index.html
```

```
Editor  Tab 1  +
<html>
<body>
<h1>Welcome to The Docker Workshop</h1>

</body>
</html>
~
~
```

```
controlplane $ vi Dockerfile
controlplane $ █
```

https://www.google.com/imgres?imgurl=https%3A%2F%2Fd1.awsstatic.com%2Facs%2Fcharacters%2FLogos%2FDocker-Logo_Horizontel_279x131.b8a5c41e56b77706656d61080f6a0217a3ba356d.png&imgrefurl=https%3A%2F%2Faws.amazon.com%2Fit%2Fdocker%2F&tbid=-E_GwcqZTPS54M&vet=12ahUKEwjMsP3O87X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ..i&docid=kj_bOJbf2wcF3M&w=279&h=131&q=docker&ved=2ahUKEwjMsP3O87X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ

```
## WORKDIR, COPY and ADD example
FROM ubuntu:latest
RUN apt-get update && apt-get install apache2 -y
WORKDIR /var/www/html/
COPY index.html .
ADD https://www.google.com/imgres?imgurl=https%3A%2F%2Fd1.awsstatic.com%2Facs%2Fcharacters%2FLogos%2FDocker-Logo_Horizontel_279x131.b8a5c41e56b77706656d61080f6a0217a3ba356d.png&imgrefurl=https%3A%2F%2Faws.amazon.com%2Fit%2Fdocker%2F&tbid=-E_GwcqZTPS54M&vet=12ahUKEwjMsP3O87X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ..i&docid=kj_bOJbf2wcF3M&w=279&h=131&q=docker&ved=2ahUKEwjMsP3O87X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ ./logo.png
CMD ["ls"]
~
~
~
```

This **Dockerfile** first defines the ubuntu image as the parent image. The next line is the **RUN** directive, which will execute **apt-get update** to update the package list, and **apt-get install apache2 -y** to install the Apache HTTP server. Then, you will set **/var/www/html/** as the working directory. Next, copy the **index.html** file that we created in *step 3* to the Docker image. Then, use the **ADD** directive to download the Docker logo from <https://www.docker.com/sites/default/files/d8/2019-07/Moby-logo.png> to the Docker image. The final step is to use the **ls** command to print the content of the **/var/www/html/** directory.

```
controlplane $ docker image build -t workdir-copy-add .
```

```
controlplane $ docker image build -t workdir-copy-add .
Sending build context to Docker daemon 3.072kB
Error response from daemon: dockerfile parse error line 6: ADD requires at least two arguments, but only one was provided. Destination could not be determined.
controlplane $ pwd
/root/workdir-copy-add-exercise
controlplane $ ls
Dockerfile index.html
controlplane $ vi Dockerfile
controlplane $ docker image build -t workdir-copy-add .
Sending build context to Docker daemon 3.072kB
Step 1/6 : FROM ubuntu:latest
latest: Pulling from library/ubuntu
677076032cca: Pull complete
Digest: sha256:9a0bdde4188b896a372804be2384015e90e3f84906b750c1a53539b585fbbe7f
Status: Downloaded newer image for ubuntu:latest
--> 58db3edaf2be
Step 2/6 : RUN apt-get update && apt-get install apache2 -y
--> Running in 5fbbbd824d37
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [862 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [810 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [752 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [5557 B]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
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]
```

```
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for ca-certificates (20211016ubuntu0.22.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Removing intermediate container f3dc2ec15812
---> 907f276c4968
Step 3/6 : WORKDIR /var/www/html/
---> Running in 614776ac3839
Removing intermediate container 614776ac3839
---> 4da6a9d503a9
Step 4/6 : COPY index.html .
---> d06e4c792a27
Step 5/6 : ADD https://www.google.com/imgres?imgurl=https%3A%2F%2Fd1.awsstatic.com%2Facs%2Fcharacters%2FLogos%2FDocker-Logo_Horizontal_279x131.b8a5c41e56b77706656d61080f6a0217a3ba356d.png&imgrefurl=https%3A%2F%2Faws.amazon.com%2Fit%2Fdocker%2F&tbid=-E_GwcqZTPS54M&vet=12ahUKEwjMsP3087X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ..i&docid=kj_b0Jbf2wcf3M&w=279&h=131&q=docker&ved=2ahUKEwjMsP3087X9AhXdvCcCHV9dDv0QMygAegUIARC8AQ ./logo.png
Downloading 39.21kB
---> 287fd11c80d1
Step 6/6 : CMD ["ls"]
---> Running in 4c6f0bca2416
Removing intermediate container 4c6f0bca2416
---> eb94dc30d34b
Successfully built eb94dc30d34b
Successfully tagged workdir-copy-add:latest
controlplane $
```

```
controlplane $ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
workdir-copy-add	latest	eb94dc30d34b	37 seconds ago	227MB
ubuntu	latest	58db3edaf2be	4 weeks ago	77.8MB

```
controlplane $ docker container run workdir-copy-add
index.html
logo.png
```

```
controlplane $ 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: crills
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
controlplane $
controlplane $
controlplane $ docker tag workdir-copy-add crills/test-repository:workdir-copy-add_01
controlplane $ docker push crills/test-repository:workdir-copy-add_01
The push refers to repository [docker.io/crills/test-repository]
76ef6941c765: Pushed
a81c2c310cb0: Pushed
24b82303ead3: Pushed
c5ff2d88f679: Mounted from library/ubuntu
workdir-copy-add_01: digest: sha256:01ca4866942efe530a515c309fcb30bc80a07ce02c2b8637887bd812f0e17ace size: 1157
```

Wasm is a fast, light alternative to Linux containers – try it out today with the [Docker+Wasm Beta](#).



docker hub

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crills

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Add a short description for this repository

The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

[Update](#)



crills / test-repository

Description

This repository does not have a description

Last pushed: a few seconds ago

Docker commands

[Public View](#)

To push a new tag to this repository,

```
docker push crills/test-repository:tagname
```

Tags

IMAGE ANALYSIS INACTIVE [Activate](#)

This repository contains 3 tag(s).

Tag	OS	Type	Pulled	Pushed
workdir-copy-add_01		Image	---	a few seconds ago
env-arg01		Image	---	an hour ago
01		Image	---	an hour ago

[See all](#)

[Go to Advanced Image Management](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions.

Upgrade

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crills/test-repository:workdir-copy-add_01

Delete Tag

DIGEST: sha256:01ca4866942efe530a515c309fcb30bc80a07ce02c2b8637887bd812f0e17ace

OS/ARCH	COMPRESSED SIZE ⓘ	LAST PUSHED	TYPE
linux/amd64	88.38 MB	a minute ago by crills	Image

Image Layers Vulnerabilities

IMAGE LAYERS ⓘ

1	ARG RELEASE	0 B
2	ARG LAUNCHPAD_BUILD_ARCH	0 B
3	LABEL org.opencontainers.image.ref.name=ubuntu	0 B
4	LABEL org.opencontainers.image.version=22.04	0 B
5	ADD file ... in /	28.16 MB
6	CMD ["/bin/bash"]	0 B
7	/bin/sh -c apt-get update &&	60.2 MB
8	WORKDIR /var/www/html/	0 B
9	COPY file:018cd9a741231bb12a9e98e6f045530cdcf7f92...	268 B
10	ADD 02ca4ad726d41cd56893cccfb37cafcc69898774c0...	13.31 KB
11	CMD ["ls"]	0 B

Command

ARG RELEASE