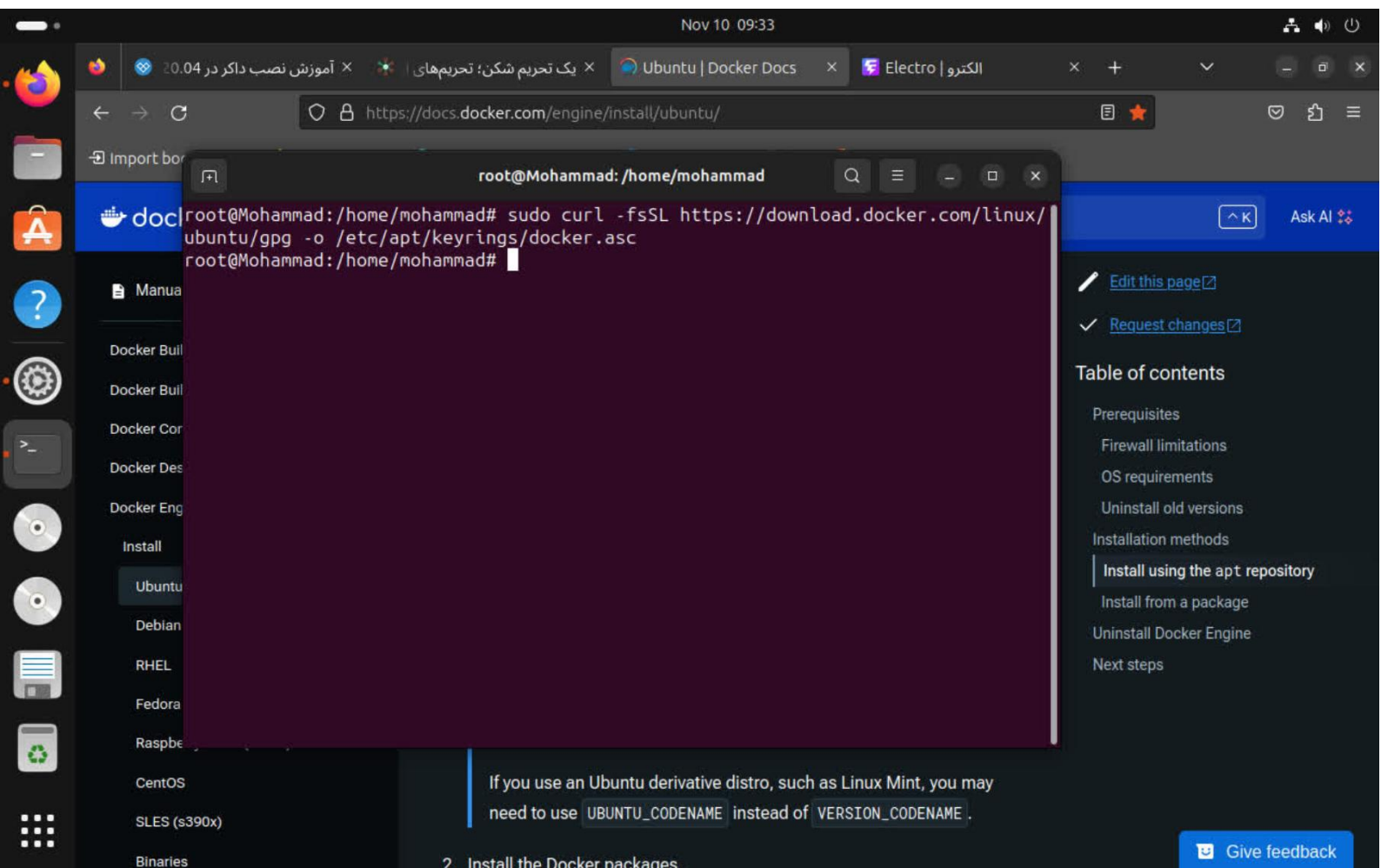


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root@Mohammad: /home/mohammad

```
root@Mohammad:/home/mohammad# sudo apt-get update
Hit:1 http://security.ubuntu.com/ubuntu mantic-security InRelease
Hit:2 http://ir.archive.ubuntu.com/ubuntu mantic InRelease
Get:3 https://download.docker.com/linux/ubuntu mantic InRelease [48.8 kB]
Hit:4 http://ir.archive.ubuntu.com/ubuntu mantic-updates InRelease
Hit:5 http://ir.archive.ubuntu.com/ubuntu mantic-backports InRelease
Get:6 https://download.docker.com/linux/ubuntu mantic/stable amd64 Packages [18.3 kB]
Fetched 67.2 kB in 3s (21.4 kB/s)
Reading package lists... Done
W: https://download.docker.com/linux/ubuntu/dists/mantic/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/a
pt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
root@Mohammad:/home/mohammad# sudo apt-get install ca-certificates curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20230311ubuntu1).
curl is already the newest version (8.2.1-1ubuntu3.3).
0 upgraded, 0 newly installed, 0 to remove and 79 not upgraded.
root@Mohammad:/home/mohammad# sudo install -m 0755 -d /etc/apt/keyrings
root@Mohammad:/home/mohammad#
```



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Binaries

root@Mohammad: /home/mohammad

root@Mohammad:/home/mohammad# sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc

root@Mohammad:/home/mohammad# sudo chmod a+r /etc/apt/keyrings/docker.asc

root@Mohammad:/home/mohammad#

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If you use an Ubuntu derivative distro, such as Linux Mint, you may need to use `UBUNTU_CODENAME` instead of `VERSION_CODENAME`.

2. Install the Docker packages.

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root@Mohammad: /home/mohammad

in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target DEP-11 (stable/dep11/Components-amd64.yml) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target DEP-11 (stable/dep11/Components-all.yml) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target DEP-11-icons-small (stable/dep11/icons-48x48.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target DEP-11-icons (stable/dep11/icons-64x64.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target DEP-11-icons-hidpi (stable/dep11/icons-64x64@2.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target CNF (stable/cnf/Commands-amd64) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
W: Target CNF (stable/cnf/Commands-all) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1
root@Mohammad: /home/mohammad#

\$ sudo docker run hello-world

This command downloads a test image and runs it in a container. When the container runs, it prints a confirmation message and exits.

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W: Target DEP-11 (stable/dep11/Components-amd64.yml) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target DEP-11 (stable/dep11/Components-all.yml) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target DEP-11-icons-small (stable/dep11/icons-48x48.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target DEP-11-icons (stable/dep11/icons-64x64.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target DEP-11-icons-hidpi (stable/dep11/icons-64x64@2.tar) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target CNF (stable/cnf/Commands-amd64) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

W: Target CNF (stable/cnf/Commands-all) is configured multiple times in /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-mantic.list:1 and /etc/apt/sources.list.d/docker.list:1

root@Mohammad: /home/mohammad# sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

8 sudo docker run hello-world

This command downloads a test image and runs it in a container. When the container runs, it prints a confirmation message and exits.

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```
root@Mohammad: /home/mohammad
containerd.io docker-buildx-plugin docker-compose-plugin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  docker-ce-rootless-extras libslirp0 pigz slirp4netns
Suggested packages:
  aufs-tools cgroupfs-mount | cgroup-lite
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli
  docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz slirp4netns
0 upgraded, 9 newly installed, 0 to remove and 79 not upgraded.
Need to get 122 MB of archives.
After this operation, 436 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ir.archive.ubuntu.com/ubuntu mantic/universe amd64 pigz amd64 2.6-1
[63.6 kB]
Get:2 http://ir.archive.ubuntu.com/ubuntu mantic/main amd64 libslirp0 amd64 4.7.
0-1ubuntu1 [63.2 kB]
Get:3 http://ir.archive.ubuntu.com/ubuntu mantic/universe amd64 slirp4netns amd6
4 1.2.0-1 [33.5 kB]
Get:4 https://download.docker.com/linux/ubuntu mantic/stable amd64 containerd.io
amd64 1.7.19-1 [30.5 MB]
14% [4 containerd.io 11.3 MB/30.5 MB 37%] 1,419 kB/s 1min 18s
$ sudo docker run hello-world
```


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Selecting previously unselected package libslirp0:amd64.
Preparing to unpack .../7-libslirp0_4.7.0-1ubuntu1_amd64.deb ...
Unpacking libslirp0:amd64 (4.7.0-1ubuntu1) ...
Selecting previously unselected package slirp4netns.
Preparing to unpack .../8-slirp4netns_1.2.0-1_amd64.deb ...
Unpacking slirp4netns (1.2.0-1) ...
Setting up docker-buildx-plugin (0.16.1-1-ubuntu.23.10~mantic) ...
Setting up containerd.io (1.7.19-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service →
/lib/systemd/system/containerd.service.
Setting up docker-compose-plugin (2.29.1-1-ubuntu.23.10~mantic) ...
Setting up docker-ce-cli (5:27.1.1-1-ubuntu.23.10~mantic) ...
Setting up libslirp0:amd64 (4.7.0-1ubuntu1) ...
Setting up pigz (2.6-1) ...
Setting up docker-ce-rootless-extras (5:27.1.1-1-ubuntu.23.10~mantic) ...
Setting up slirp4netns (1.2.0-1) ...
Setting up docker-ce (5:27.1.1-1-ubuntu.23.10~mantic) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /li
b/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/sy
stemd/system/docker.socket.
Processing triggers for man-db (2.11.2-3) ...
Processing triggers for libc-bin (2.38-1ubuntu6.3) ...
root@Mohammad: /home/mohammad#

\$ sudo docker run hello-world

This command downloads a test image and runs it in a container. When the container runs, it prints a confirmation message and exits.

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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:

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/>

root@Mohammad: /home/mohammad#

🔍 sudo docker run hello-world

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This command downloads a test image and runs it in a container. When the container runs, it prints a confirmation message and exits.

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Screenshot captured

You can paste the image from the clipboard.

```
Setting up docker-ce (5:27.1.1-1~ubuntu22.04~amd64) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /etc/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for man-db (2.11.2-3) ...
Processing triggers for libc-bin (2.38-1ubuntu6.3) ...
root@Mohammad:/home/mohammad# sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
c1ec31eb5944: Pull complete
Digest: sha256:d211f485f2dd1dee407a80973c8f129f00d54604d2c90732e8e320e5038a0348
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:

1. The Docker client contacted the Docker daemon.
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(amd64)
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root@Mohammad:/home/mohammad#