

Home Assistant Installation

- 1.Prepare the Linux environment and Docker environment.
- 2.Execute the command (choose one at will and adjust the parameters according to your situation)
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This tutorial provides a quick-to-use deployment solution. If the deployment has already been completed, there is no need to follow the steps in this tutorial.

1.Prepare the Linux environment and Docker environment.

2.Execute the command (choose one at will and adjust the parameters according to your situation)

A.Formatting command: for easy viewing (some consoles cannot use \)

```
docker run -d \  
    --name homeassistant \  
    --privileged \  
    --restart=unless-stopped \  
    -e TZ=Asia/Shanghai \  
    -v /data/ha/config:/config \  
    -v /run/dbus:/run/dbus:ro \
```

--network=host \

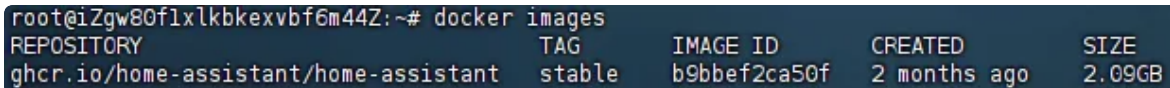
ghcr.io/home-assistant/home-assistant:stable

B.General command: Removed \

```
docker run -d --name homeassistant --privileged --restart=unless-stopped -e
TZ=Asia/Shanghai -v /data/ha/config:/config -v /run/dbus:/run/dbus:ro --
network=host ghcr.io/home-assistant/home-assistant:stable
```

C.Parameter Explanation

If there is no further explanation, all commands will be executed in the manner shown in the following figure.



REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ghcr.io/home-assistant/home-assistant	stable	b9bbef2ca50f	2 months ago	2.09GB

(1) -d: Run the container in the background (daemon mode)

(2) --name homeassistant

Specify a name for the container (it can be customized, such as ha, homeassistant-server, etc.)

(3) --privileged

Grant the container privileges to enable access to host devices (such as serial ports, USB devices, etc.) and to specify a name for the container (which can be customized, such as ha, homeassistant-server, etc.)

(4) --restart=unless-stopped

Set the restart policy (the container will automatically restart unless manually stopped)

(5) -e TZ=MY_TIME_ZONE

Set the time zone (please replace with the actual time zone)

Asia/Shanghai (China Standard Time) .

Other common time zones:

Europe/London (London, England) .

America/New_York (New York in America) .

Europe/Berlin (Berlin in Germany) .

Obtain all available time zones of the system.

ll /usr/share/zoneinfo

(6)–v /data/ha/config:/config

Mount configuration directory (Host machine location (modifiable): Internal path within the container (unchangeable))

(7)–v /run/dbus:/run/dbus:ro

Mount the DBus to interact with the host services (required)

Function: Enables Home Assistant to communicate with system services (such as Bluetooth, network management, etc.)

(8) Designated container

Use `docker images` to check if there is already a home–assistant container to avoid re–downloading. Replace the command parameters in the following format to start using the local image.

REPOSITORY:TAG

ghcr.io/home–assistant/home–assistant:stable The container to be started

4. Check the IP address of the host where Home Assistant is deployed

By accessing the browser at ip:8123, Home Assistant can be successfully deployed.