

# Docker. Установка. Настройка. Использование. Базовые команды

<b>OS</b>	Ubuntu Server 24.04.4 LTS
<b>Packages</b>	apt-transport-https ca-certificates curl software-properties-common docker-ce docker-ce-cli containerd.io

## Установка. Настройка

```
sudo apt update && sudo apt upgrade -y
```

```
sudo apt install apt-transport-https ca-certificates curl software-properties-common -y
```

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

```
echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

```
sudo apt update && sudo apt install docker-ce docker-ce-cli containerd.io -y
```

```
sudo systemctl status docker
```

Если status docker выдает ошибку:

```
sudo systemctl status docker × docker.service - Docker Application Container Engine Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled) Active: failed (Result: exit-code) since Wed 2026-04-01 17:22:11 EEST; 1min 10s ago TriggeredBy: × docker.socket Docs: https://docs.docker.com Process: 72172 ExecStart=/usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock (code=exited, status=1/FAILURE) Main PID: 72172 (code=exited, status=1/FAILURE) CPU: 65ms Apr 01 17:22:11 mtz-test-2 systemd[1]: docker.service: Scheduled restart job, restart counter is at 3. Apr 01 17:22:11 mtz-test-2 systemd[1]: docker.service: Start request repeated too quickly. Apr 01 17:22:11 mtz-test-2 systemd[1]: docker.service: Failed with result 'exit-code'. Apr 01 17:22:11 mtz-test-2 systemd[1]: Failed to start docker.service - Docker Application Container Engine
```

То выполнить след:

```
sudo systemctl daemon-reexec
sudo systemctl daemon-reload
sudo systemctl restart docker.socket
sudo systemctl restart docke
```

Для использования без sudo:

```
sudo usermod -aG docker $USER
newgrp docker
####or
sudo usermod -aG docker $USER
su - ${USER}
id -nG
sudo usermod -aG docker username
```

Проверка:

```
docker run hello-world
```

## Работа с докером jooby-manager

Док: <https://gitlab.infomir.dev/web/jooby/jooby-manager/-/blob/main/doc/updateMtxModule.md>

Дополнительная документация находится в каталоге jooby-manager/doc

Перейди в каталог jooby-manager или jooby-manager-update. Выполнить:

```
git pull
docker login docker.gitlab.infomir.dev
docker pull docker.gitlab.infomir.dev/web/jooby/jooby-manager:latest
```

Для запуска обновления ПО модуля GSM/LORA\_PLS перейти в каталог docker

Пример запуска:

GSM

```
./docker-run.sh updateMtxModule.js \
  --path /dev/ttyUSB0 \
  --baudrate 2400 \
  --module GSM \
  --image ../../img/GSM/mtx1/images254.14h33.5_encrypted.bin
```

LORA\_PLC

```
./docker-run.sh updateMtxModule.js \
  --path /dev/ttyUSB0 \
  --baudrate 2400 \
  --module LORA_PLC \
```

```
--image  
../../../../img/LORA_PLC/mtx1/MTX_SY_PLCLORA_H03_S9B_28102025_encrypted.bin
```

Остановка контейнера. Пример:

```
$ docker ps -al  
CONTAINER ID   IMAGE          COMMAND        CREATED        STATUS  
PORTS          NAMES  
bea02d01b40a   hello-world   "/hello"      10 days ago   Exited (0) 10 days ago  
clever_lovelace  
$ docker stop bea02d01b40a
```

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