

Here is the [source video](#)

- [Additional resource 1](#)
- [Additional resource 2](#)

Update and upgrade system

```
sudo apt update
```

```
sudo apt upgrade
```

Add necessary repository and architecture

```
sudo add-apt-repository multiverse
```

```
sudo dpkg --add-architecture i386
```

```
sudo apt update
```

Install steamcmd

```
sudo apt install steamcmd
```

```
steamcmd +login anonymous +force_install_dir /home/user/steamcmd +app_update  
896660 validate + exit
```

```
cd ./steamcmd/
```

Change name, world, and password

```
nano start_server.sh
```

```
#!/bin/bash
export templdpath=$LD_LIBRARY_PATH
export LD_LIBRARY_PATH=./linux64:$LD_LIBRARY_PATH
export SteamAppId=892970

echo "Starting server PRESS CTRL-C to exit"

# Tip: Make a local copy of this script to avoid it being overwritten by steam.
# NOTE: Minimum password length is 5 characters & Password cant be in the server name.
# NOTE: You need to make sure the ports 2456-2458 is being forwarded to your server through your local router & firewall.
./valheim_server.x86_64 -name "Calebs Server" -port 2456 -world "Calebworld" -password "password1234"

export LD_LIBRARY_PATH=$templdpath
```

See if server starts

```
sh start_server.sh
```

Port forwarding

```
sudo apt install net-tools
```

```
ifconfig
```

```
sudo ufw allow 2456:2458/tcp
```

```
sudo ufw allow 2456:2458/udp
```

Setup Valheim service

```
sudo nano /etc/systemd/system/valheim.service
```

```
[Unit]
Description=Valheim Server

[Service]
User=username
WorkingDirectory=/home/user/steamcmd
ExecStart=/home/user/steamcmd/start_valheim.sh
Restart=always

[Install]
WantedBy=multi-user.target
```

```
sudo systemctl daemon-reload
```

```
sudo systemctl enable valheim
```

```
sudo systemctl start valheim
```

```
sudo systemctl status valheim
```

```
• valheim.service - Valheim Server
   Loaded: loaded (/etc/systemd/system/valheim.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-08-17 17:39:52 UTC; 1 day 7h ago
     Main PID: 21101 (start_server.sh)
        Tasks: 38 (limit: 9388)
       Memory: 1.8G
          CPU: 8h 16min 37.505s
      CGroup: /system.slice/valheim.service
              └─21101 /bin/bash /home/caleb/steamcmd/start_server.sh
                 └─21102 ./valheim_server.x86_64 -name "Calebs Server" -port 2456 -world Calebworld -password password1234
```

Check logs to see if it's working

```
sudo journalctl -u valheim -f
```