Minecraft

Version 1

Install Java

```
sudo apt install openjdk-8-jre openjdk-8-jre-headless curl screen nano bash
grep -y
```

Setup User

Switch user to root:

```
su -
```

Add the user and group 'Minecraft':

```
adduser minecraft
groupadd minecraft
```

Add the Minecraft user to the related group:

```
usermod -a -G minecraft minecraft
```

Make home directory for Minecraft user

```
mkdir /home/minecraft
```

Setup Mincraft Server

Open port on the firewall to allow the Minecraft server traffic:

```
sudo ufw allow 25565/tcp
```

Switch to the Minecraft user:

```
su minecraft
```

Change to the Minecraft home directory:

```
cd
```

Download the Minecraft server jar file:

```
wget
https://launcher.mojang.com/mc/game/1.12.2/server/886945bfb2b978778c3a0288fd
7fab09d315b25f/server.jar
```

Test that the server works with:

```
java -Xmx2048M -Xms2048M -jar minecraft_server.jar nogui
```

Accept the EULA in order to use the server software:

```
sed -i.orig 's/eula=false/eula=true/g' eula.txt
```

Test the server again. It should run this time as we have accepted the EULA.

```
java -Xmx2048M -Xms2048M -jar minecraft_server.jar nogui
```

After this you can configure the settings in the relevant files stored within the server.

Making the Systemmd Unit File

Switch to root user:

```
su
```

Create the systemd file to boot the server on launch:

```
nano /etc/systemd/system/minecraft-server.service
```

Copy and paste this text into the file, change your settings accordingly (if you have followed this guide, leave as default.)

```
[Unit] Description=start and stop the minecraft-server

[Service] WorkingDirectory=/home/minecraft
User=minecraft
Group=minecraft
Restart=on-failure
RestartSec=20 5
ExecStart=/usr/bin/java -Xms2048M -Xmx2048M -jar server.jar nogui

[Install] WantedBy=multi-user.target
Alias=minecraft.service
```

Start the server with:

```
systemctl start minecraft-server.service
```

Stop the server with:

```
systemctl stop minecraft-server.service
```

To start the server on boot, run:

```
systemctl enable minecraft-server.service
```