

# How To Create A Free Minecraft Bedrock Server

This server is completely free, and powerful for a Bedrock Server, for comparison a similar amount of ram costs \$5 a month.

Follow this link to Oracle Cloud Services website <https://www.oracle.com/cloud/sign-in.html?intcmp>

Oracle Cloud Services

Click "Sign Up!"

3.

Sign up

Verify your email.

Finish entering you details, and and hit start my free trial

Unless you choose to, you won't be charged.

Next, create a virtual machine that will run the Server

Fill in the fields as shown

Scroll down to Section 'Images and shapes'. Make sure that "Canonical Ubuntu 20.04" is selected, then check that the shape is set to AMD VM.Standard.E2.1.Micro

Note: The pre-set shape may not work with Ubuntu. To change the Image, simply switch the shape to one that does.

Next, we'll need to choose a virtual cloud network (VCN). If you already have a VCN with a public network, choose it. If not, choose 'Create a virtual cloud network'. Next, select "Create a Public Subnet" and accept the default names. Make sure you select 'Assign an IPv4

address public'. Otherwise, you won't be able to connect to this server via the internet. ).

Now we need the "SSH" key pair to be associated with this VM. If you are familiar with the concept and have a public keys that you wish to use, click 'Upload public keys files' and upload your publickey. These keys can be thought of as unique identifiers that will allow you to securely log into your server. Click 'Generate SSH keys pair' to save your private key and public keys on your local machine. These keys will be used in a short time to log in the VM.

You will need your Private Key to log into the website later so don't forget this.

Leave the default boot volume and click Create'.

As soon as you click 'Create', you'll be redirected to the VM details page and your VM instance will be in a PROVISIONING state.

After 30-60 seconds, the state switches to RUNNING. Copy your public IP address.

Next, we need to open ports to allow players to access the server.

Then click add Ingress Rules

We need to connect to our VM remotely in order to install the Minecraft software. If you are not familiar with SSH, I recommend that you first read up on it

Powershell can be used as your connecting program if you are on Windows (most likely). Open Powershell, and type this: ssh-i (file path for your private key) ubuntu@VM ip address

BEFORE: This is where you should research how to secure your private key file.

This is what it looks like when you succeed in logging into your vm

Next you'll want to install multiple programs to start.

These commands can be run:

```
sudo apt-get install firewalld
```

These commands will install firewall access and screen to keep your server afloat after you restart it.

Next, enter powershell during your ssh session

```
sudo firewall cmd --permanent
```

```
sudo firewall cmd --permanent -zone=public --addport=19132/udp
```

```
sudo firewall-cmd --reload
```

Then:

```
sudo su - Minecraft
```

```
mkdir Bedrock
```

```
wget https://minecraft.azureedge.net/bin-linux/bedrock-server-1.17.2.01.zip -O server.zip
```

```
unzip server.zip
```

```
rm server.zip
```

If necessary visit <https://www.minecraft.net/en-us/download/server/bedrock> and check the latest download link and substitute it.

Then, run these commands

```
chmod +x ./bedrock_server
```

This is the last command that will start your server.

```
LD_LIBRARY_PATH=. ./bedrock_server
```

You can now connect with your server using the VM's IP and the standard port. The name is not important.

The server will also stop when you close the terminal. Minecraft Blog To stop it, you need to type "stop" or close the window and then log back in.

```
cd Bedrock
```

) Then type in screen and hit enter

```
Run this command again: ./bedrock_server
```

You should now have a functioning bedrock server, with 1 gb ram, and 1 xenon core, good for atleast 20 players. You can do this for a Java server by following this link.