

# Tutorial - How To Create A Minecraft Server On A VPS

Minecraft is a well-liked sandbox video sport. It needs to be hosted on a server in case you want to play in multiplayer.

You possibly can rent a pre-built Minecraft server or you may set it up yourself on a VPS or on a dedicated server. This can reduce the associated fee and offer you full control over your game occasion.

This tutorial explains easy methods to launch a Minecraft Java Version server on an OVHcloud VPS and check its connectivity.

This guide will show you how to use a number of OVHcloud solutions with exterior tools, and can describe the actions to be carried out in a particular context. ou could must adapt the directions in line with your situation.

In case you encounter any difficulties performing these actions, please contact a specialised service provider and/or focus on the difficulty with our group. You'll find more information within the Go further section of this information.

## Necessities

- A Virtual Non-public Server in your OVHcloud account
- A GNU/Linux distribution installed on the server
- Administrative entry (root) by way of SSH to your server
- A basic understanding of GNU/Linux administration

## Directions

This tutorial is predicated on version "1.17" of Minecraft Java Version and OpenJDK model "16.0.1".

### Step 1: Prepare the server

Step one is to set up your VPS for a Minecraft set up.

It's endorsed to order a brand new VPS or reinstall an existing one out of your OVHcloud Control Panel, utilizing the latest available launch of Ubuntu or Debian. Please check with our Getting began guide if essential.

Once the OS is put in, connect to your VPS with SSH as described within the Getting started guide.

First update the packages to their latest versions:

Use the following command to ensure all required packages are put in.

Set up the Java bundle:

To keep away from security vulnerabilities in your system, create a person named "minecraft" who will carry out the server actions:

Merely press the Enter key to skip filling in the standard account information.

The consumer is now created. Be aware that no password was specified for this user. This is regular because the account is only accessible when already related through SSH with your own user account.

Switch to the brand new person:

The following commands have to be executed by the person "minecraft".

To complete the setup preparations, create a folder named server.

Step 2: Install your Vanilla Minecraft server

A "Vanilla" server is an occasion without any add-ons or plugins. Minecraft-servers.Biz will expertise the game the best way it was created by the builders.

First you will need to copy/paste the download link for the server software program. On the official Minecraft web site, right-click on on the obtain link and choose Copy Hyperlink Location from the context menu.

Again in your command line terminal, ensure you might be nonetheless within the server folder and use wget to download the file. Exchange obtain\_link with the precise URL from your clipboard.

Earlier than launching the server, it's essential comply with the tip Person License Agreement. To attain this, enter the following command.

A file named eula.txt is now situated at the basis level of your server, containing the road eula=true. This will inform the software that you simply settle for the Minecraft EULA. We invite you to evaluation the phrases and circumstances on the Minecraft webpage.

Your server can now be started.

During step 1, we installed the display bundle which permits opening a number of sessions of the terminal (shell). We'll start Minecraft in a brand new session that can run within the background. Utilizing display will be very useful because it offers you the chance to launch multiple Minecraft servers concurrently.

First, we are going to create a brand new shell named minecraft1:

The lively terminal window will change to a new shell session. You may create multiple shells; listing them with this command:

To detach from the shell (and keep it working), press Ctrl, then a, then d in your keyboard.

To modify from one shell to a different, use this command:

You may also press Ctrl, then a, then n in your keyboard.

Within the previously created minecraft1 shell, launch the Minecraft server with the next command. (Use ls to confirm the filename in case it differs.)

To shut down your server, enter the command cease.

Step 3: Connect to the server

Your server instance is now useful. To play the game, download the Minecraft shopper from the official Minecraft webpage.

Set up and launch the client for your working system and check in.

On the next display, enter the server name in the sphere Server Name, and the IP deal with of the server in the sector Server Address.

By default, no port needs to be specified.

Your Vanilla Minecraft server is now put in on your VPS.

Please note that this installation guide must also work on an OVHcloud devoted server or a Public Cloud. occasion. With those services, you'll have the benefit of higher stability because the hardware is dedicated.

Go further

For add-ons, mods and to personalise your Minecraft expertise, please seek the advice of this official documentation: <https://assist.mojang.com/>.

Join our community of customers on <https://neighborhood.ovh.com/en/>.

Did you find this information helpful?

Please be at liberty to give any ideas so as to enhance this documentation.

Whether your suggestions is about photographs, content, or construction, please share it, so

that we can enhance it collectively.

Your help requests is not going to be processed by way of this form. To do this, please use the "Create a ticket" kind.

Thank you. Your suggestions has been received.