

Tutorial - How To Create A Minecraft Server On A VPS

Minecraft is a popular sandbox video sport. It needs to be hosted on a server if you wish to play in multiplayer.

You may rent a pre-constructed Minecraft server or you'll be able to set it up yourself on a VPS or on a devoted server. This will reduce the associated fee and provide you with full management over your sport instance.

This tutorial explains the best way to launch a Minecraft Java Edition server on an OVHcloud VPS and check its connectivity.

This information will present you ways to use a number of OVHcloud solutions with external tools, and will describe the actions to be carried out in a specific context. You may need to adapt the instructions according to your scenario.

When you encounter any difficulties performing these actions, please contact a specialised service provider and/or talk about the problem with our community. You could find more information in the Go additional part of this guide.

Necessities

- A Digital Non-public Server in your OVHcloud account
- A GNU/Linux distribution installed on the server
- Administrative access (root) via SSH to your server
- A fundamental understanding of GNU/Linux administration

Instructions

This tutorial relies on version "1.17" of Minecraft Java Edition and OpenJDK version "16.0.1".

Step 1: Prepare the server

The first step is to arrange your VPS for a Minecraft set up.

It is recommended to order a new VPS or reinstall an existing one out of your OVHcloud Control Panel, utilizing the latest available release of Ubuntu or Debian. Please seek advice from our Getting started information if necessary.

Once the OS is installed, connect with your VPS with SSH as described in the Getting began guide.

First update the packages to their newest versions:

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

Install the Java package deal:

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

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

The user is now created. Notice that no password was specified for this person. That is normal as a result of the account is barely accessible when already related via SSH with your individual user account.

Switch to the brand new consumer:

The following commands should be executed by the person "minecraft".

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

Step 2: Set up your Vanilla Minecraft server

A "Vanilla" server is an instance with none add-ons or plugins. You'll expertise the sport the best way it was created by the builders.

First you will want to repeat/paste the download link for the server software. On the official Minecraft webpage, right-click on the download hyperlink and choose Copy Link Location from the context menu.

Again in your command line terminal, be sure that you are still in the server folder and use wget to download the file. Replace obtain_hyberlink with the actual URL out of your clipboard.

Before launching the server, you should comply with the end User License Settlement. To attain this, enter the next command.

A file named eula.txt is now situated at the foundation degree of your server, containing the road eula=true. This may inform the software program that you accept the Minecraft EULA. We invite you to evaluation the phrases and circumstances on the Minecraft webpage.

Your server can now be started.

Throughout step 1, we installed the screen package deal which allows opening a number of classes of the terminal (shell). We are going to start Minecraft in a brand new session that may run in the background. Using display may be very useful since it gives you the possibility to launch a number of Minecraft servers concurrently.

First, we will create a new shell named minecraft1:

The lively terminal window will change to a brand new shell session. You'll be able to create multiple shells; list them with this command:

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

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

You too can press Ctrl, then a, then n on your keyboard.

In the beforehand created minecraft1 shell, launch the Minecraft server with the following command. (proximal's blog ls to confirm the filename in case it differs.)

To shut down your server, enter the command stop.

Step 3: Connect with the server

Your server occasion is now useful. To play the sport, obtain the Minecraft client from the official Minecraft website.

Install and launch the consumer in your operating system and check in.

On the subsequent display screen, enter the server title in the sector Server Title, and the IP handle of the server in the field Server Handle.

By default, no port must be specified.

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

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

Go additional

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

Be a part of our neighborhood of users on <https://community.ovh.com/en/>.

Did you discover this information useful?

Please be happy to give any recommendations so as to improve this documentation.

Whether your feedback is about photos, content material, or construction, please share it, in order that we will improve it collectively.

Your help requests will not be processed via this form. To do that, please use the "Create a ticket" kind.

Thank you. Your suggestions has been obtained.