

[howto](#), [supertuxkart](#), [game](#), [server](#), [debian](#)

How To Build and Run your own SuperTuxKart Server On Debian

How to build and run your own [SuperTuxKart](#) server on [Debian GNU Linux](#). [SuperTuxKart](#) is a 3D open-source arcade racer with a variety of characters, tracks, and modes to play.

Sources

- <https://github.com/supertuxkart/stk-code/blob/master/INSTALL.md>
- <https://github.com/supertuxkart/stk-code/blob/master/NETWORKING.md>
- <https://manpages.debian.org/testing/supertuxkart/supertuxkart.6.en.html>

Hardware Sizing

I've been running a SuperTuxKart server for 8 players including AI-bots on the smallest available VPS package (CX11) at [Hetzner](#) with just a single 2.2 GHz core, 2 GB RAM and 20 GB HDD.

Installation

Create a user account to run SuperTuxKart with

```
useradd -m -s /bin/bash supertuxkart
passwd supertuxkart
```

Install the required packages for building the SuperTuxKart server

```
apt install build-essential cmake libbluetooth-dev libsdl2-dev libcurl4-openssl-dev libenet-dev
libfreetype6-dev libharfbuzz-dev libjpeg-dev libogg-dev libopenal-dev libpng-dev libssl-dev libvorbis-
dev libmbdtdls-dev pkg-config zlib1g-dev
```

Add a little convenience and structure

```
apt install tmux vim-nox
mkdir -pv /home/supertuxkart/repos/
```



Both `stk-code` and `stk-assets` must be in the same directory, otherwise the build will fail!

Clone the SuperTuxKart and SuperTuxKart-Assets repositories.

```
cd /home/supertuxkart/repos/
git clone https://github.com/supertuxkart/stk-code.git stk-code
svn co https://svn.code.sf.net/p/supertuxkart/code/stk-assets stk-assets
```

Compile the server and install it system wide

```
cd /home/supertuxkart/repos/stk-code
mkdir cmake_build
cd cmake_build
cmake -DBUILD_RECORDER=off -DSERVER_ONLY=ON ..
make -j$(nproc)
make install
```

online.supertuxkart.net User Account

A user account at online.supertuxkart.net is required to run the server. You can sign up/create it [here](#). You will receive an e-mail with a link to confirm your e-mail address (yes, you should click on that linke before proceeding).

User Initialization And SuperTuxKart Server Configuration

Either log in to your Debian box with the user for running the server or *su* to it.

```
su - supertuxkart
```

To initialize your supertuxkart `-init-user -login=<YOUR USER @ online.supertuxkart.net> -password=<YOUR PASSWORD @ online.supertuxkart.net>`

```
bash code
```

```
vim supertuxkart_config.xml
```

```
supertuxkart -server-config=supertuxkart_config.xml -network-console
```

~~DISCUSSION~~

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