

Setup Zsh + Oh my Zsh + Powerlevel10k + Dracula theme with auto-suggestions and syntax-highlighting

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Zsh (The Z shell) is an Unix shell that can be used as an interactive login shell and as a command interpreter for shell scripting. Zsh is an extended Bourne shell with many improvements, including some features from Bash, ksh, and tcsh.

I use two laptops. My personal laptop and the laptop that I use for work. The laptop that I use for work is provided by the company, with Windows 10 enterprise installed and Ubuntu 20.04 distro ran in WSL. WSL + zsh + dracula theme + oh my zsh + Integrated terminal in VS Code works like a charm. Because of that, I will use zsh in my personal laptop with Ubuntu 20.04 installed. And here's how :

Install zsh in Ubuntu using an apt package manager

```
sudo apt install zsh
```

2. The package manager will install the latest release of Zsh which is 5.8

```
zsh --version
```

```
zsh 5.8 (x86_64-ubuntu-linux-gnu)
```

3. We can also check with `cat /etc/shells`, to see if Zsh is available on the valid login shells. If Zsh has been setup, `/usr/bin/zsh` will exist in the list of valid login shells.

4. Set Zsh as default shell

```
chsh -s /usr/bin/zsh
```

5. Log out and then login again to your terminal to use the new Zsh shell.

```
echo $SHELL
```

```
/usr/bin/zsh
```

6. Install [oh my zsh](#) using curl

```
sh -c "$(curl -fsSL  
https://raw.githubusercontent.com/ohmyzsh/ohmyzsh/master/tools/install.sh)"
```

```
Cloning Oh My Zsh...
Cloning into '/home/satriajnk/.oh-my-zsh'...
remote: Enumerating objects: 1238, done.
remote: Counting objects: 100% (1238/1238), done.
remote: Compressing objects: 100% (1199/1199), done.
remote: Total 1238 (delta 20), reused 1223 (delta 20), pack-reused 0
Receiving objects: 100% (1238/1238), 864.83 KiB | 2.61 MiB/s, done.
Resolving deltas: 100% (20/20), done.

Looking for an existing zsh config...
Found ~/.zshrc. Backing up to /home/satriajnk/.zshrc.pre-oh-my-zsh
Using the Oh My Zsh template file and adding it to ~/.zshrc.

oh my zsh .....is now installed!

Before you scream Oh My Zsh! look over the '.zshrc' file to select plugins, themes, and options.
• Follow us on Twitter: @ohmyzsh
• Join our Discord community: Discord server
• Get stickers, t-shirts, coffee mugs and more: Planet Argon Shop

→ ~ ls -a
```

7. Use [agnoster](#) zsh theme

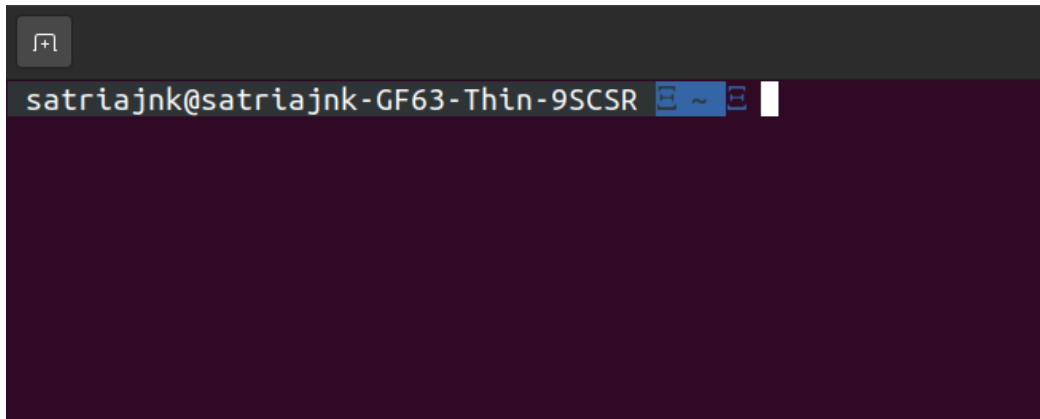
Edit the `~/.zshrc` file, edit this following line

```
ZSH_THEME="robbyrussell"
```

Into

```
ZSH_THEME="agnoster" # (this is one of the fancy ones)
# see https://github.com/ohmyzsh/ohmyzsh/wiki/Themes#agnoster
```

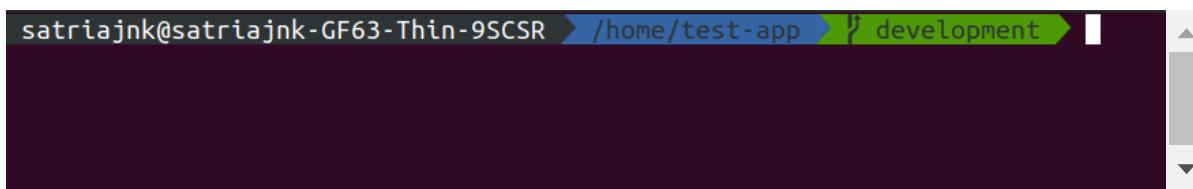
Save the file, and then open a new terminal to see the changes that we did

A terminal window with a dark purple background. The top bar shows the prompt 'satriajnk@satriajnk-GF63-Thin-9SCSR' followed by a broken powerline status bar consisting of several small, disconnected colored segments (blue, green, yellow, red) and a white cursor. A vertical scrollbar is visible on the right side of the terminal window.

The powerline may look broken as in the screenshot above. But don't worry. What we need to do is install the [powerline font](#). Run this command in the terminal :

```
sudo apt-get install fonts-powerline
```

Now open a new terminal

A terminal window with a dark purple background. The top bar shows the prompt 'satriajnk@satriajnk-GF63-Thin-9SCSR' followed by a properly configured powerline status bar. The status bar is a single, continuous green bar with a white cursor. The path '/home/test-app' is displayed in a blue bar, and the word 'development' is displayed in a green bar. A vertical scrollbar is visible on the right side of the terminal window.

That's better 🐱

8. Install [powerlevel10k](#) for Oh my zsh

Run this following command :

```
git clone --depth=1 https://github.com/romkatv/powerlevel10k.git  
${ZSH_CUSTOM:-$HOME/.oh-my-  
zsh/custom}/themes/powerlevel10k
```

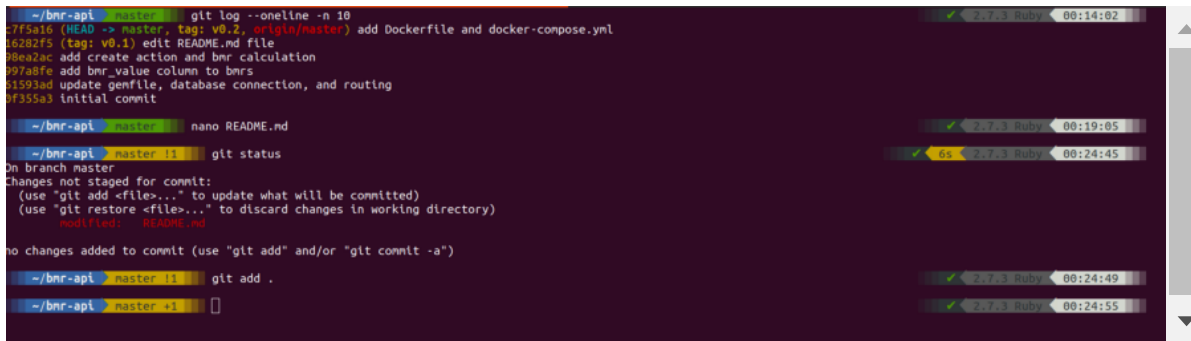
Now, edit the `ZSH_THEME` in `~/.zshrc` file into :

```
ZSH_THEME="powerlevel10k/powerlevel10k"
```

Open a new terminal, and you should see the powerlevel10k theme has applied. If the p10k configuration wizard does not start automatically, you can run the configuration wizard the powerlevel10k theme with this command :

p10k configure

After you run the command above, p10k will prompt some questions, and you can choose the answer based on your personal preferences. Here's the final look of my zsh :



```
~/bmr-api master git log --oneline -n 10
e7f5a16 (HEAD -> master, tag: v0.2, origin/master) add Dockerfile and docker-compose.yml
e6282f5 (tag: v0.1) edit README.md file
f0ea2ac add create action and bmr calculation
997a8fe add bmr_value column to bmr
e1593ad update gemfile, database connection, and routing
9f355a3 initial commit

~/bmr-api master nano README.md

~/bmr-api master !1 git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

~/bmr-api master !1 git add .

~/bmr-api master +1
```

9. Install Dracula theme for GNOME terminal

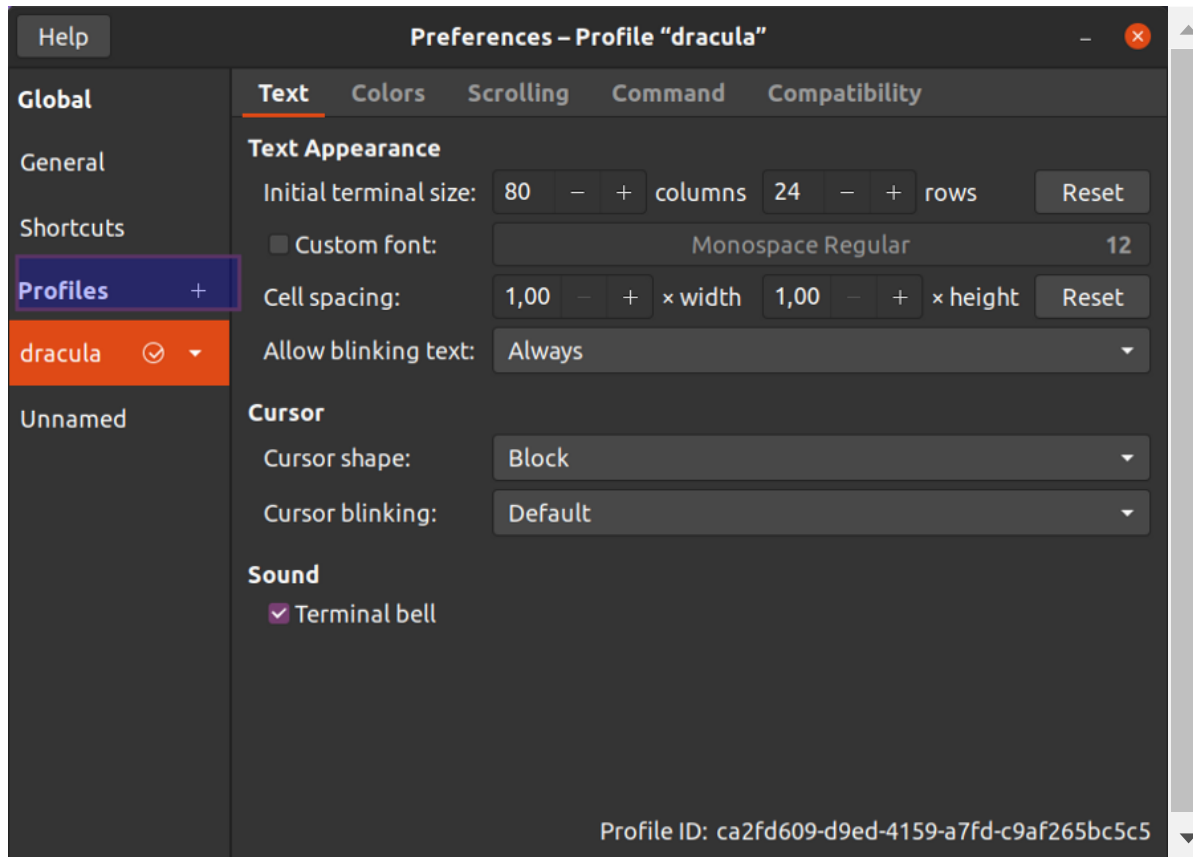
Install `dconf-cli` with following command :

```
sudo apt-get install dconf-cli
```

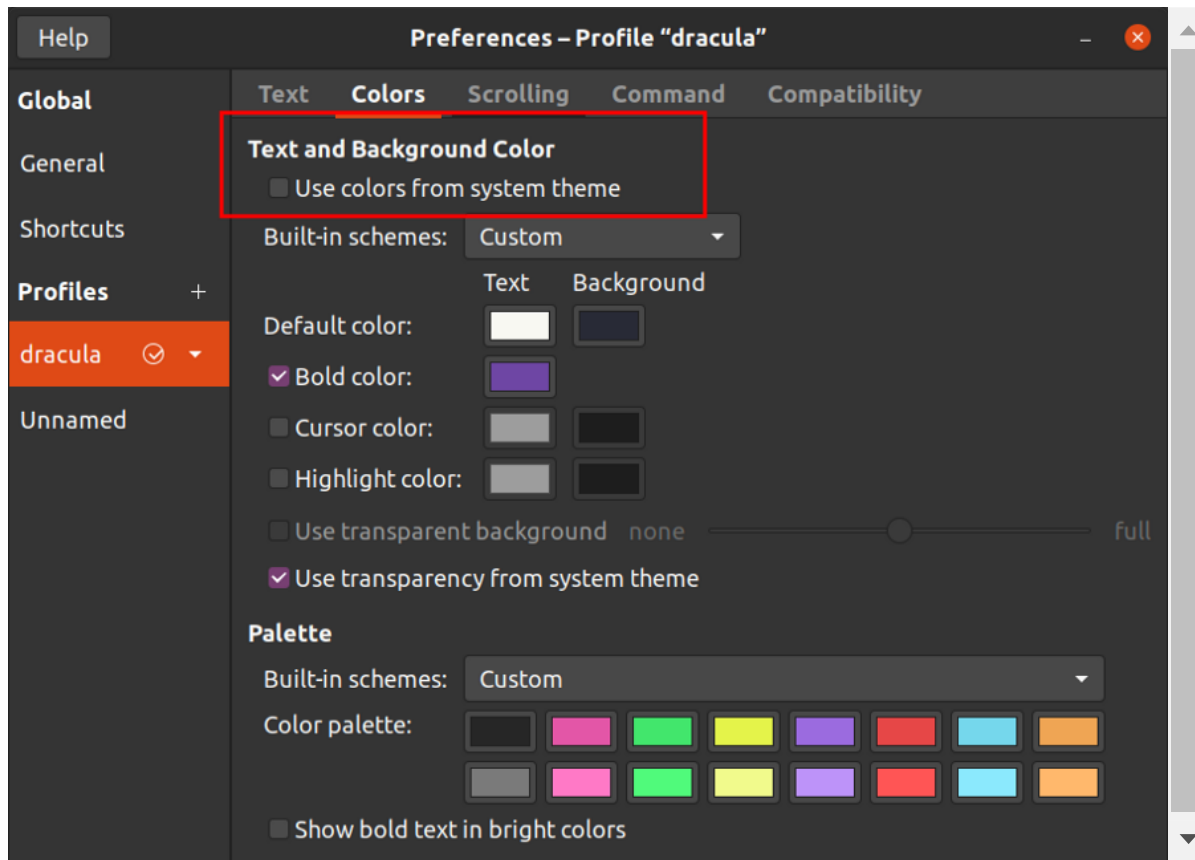
Clone the repository

git clone <https://github.com/dracula/gnome-terminal>
cd gnome-terminal

Right click in the terminal, then choose *preferences*. In *preferences*, choose add profiles (the + button on the right), fill the new profile name i.e. dracula.



In the **Colors** tab, uncheck the 'Use colors from system theme' in **Text and Background Color**. Then, close the preferences.

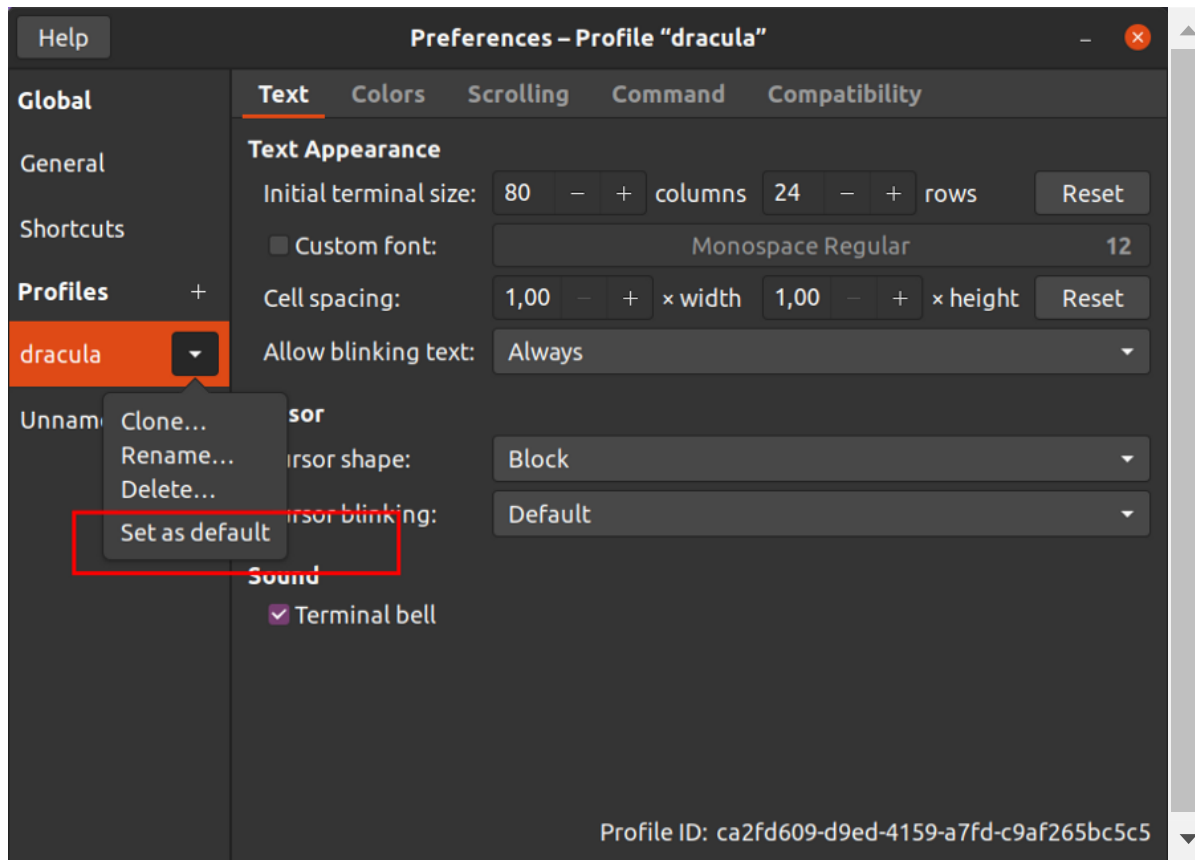


Now run the installation script :

```
./install.sh
```

Then follow the instructions, when the prompt ask you to choose a profile, choose the profile that we have been created before.

Now back to *preferences* setting, set dracula as default profile.



Now, start a new terminal session, and see the dracula theme has been applied in the GNOME terminal



Install plugins (zsh-autosuggestions and zsh-syntax-highlighting)

Download zsh-autosuggestions :

```
git clone https://github.com/zsh-users/zsh-autosuggestions.git  
$ZSH_CUSTOM/plugins/zsh-autosuggestions
```

Download zsh-syntax-highlighting :

```
git clone https://github.com/zsh-users/zsh-syntax-highlighting.git  
$ZSH_CUSTOM/plugins/zsh-syntax-highlighting
```

Edit `~/.zshrc` file, find `plugins=(git)` replace `plugins=(git)` with :

```
plugins=(git zsh-autosuggestions zsh-syntax-highlighting)
```

Reopen your terminal, now you should be able to use the auto suggestions and syntax highlighting.



Have fun with your terminal ! 🎉

References :

<https://github.com/romkatv/powerlevel10k#oh-mv-zsh>

https://en.wikipedia.org/wiki/Z_shell

<https://github.com/ohmyzsh/ohmyzsh>

<https://draculatheme.com/gnome-terminal>

<https://gist.github.com/dogrocker/1efb8fd9427779c827058f873b9>



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