Neofetch – Shows Linux System Information with Distribution Logo

Aaron Kili | Last Updated: January 25, 2017 | Open Source | Leave a comment

system information and display it on the terminal next to an image, it could be your distributions logo or any ascii art of your choice.

Recently, a new major version of **Neofetch 3.0** released with large amount of breaking changes added to this update.

Neoftech is very similar to ScreenFetch or Linux_Logo utilities, but highly customizable and comes with some extra features as discussed below.

Its main features include: it's fast, prints a full color image – your distributions logo in ASCII alongside your system information, it's highly customizable in terms of which, where and when information is printed on the terminal and it can take a screenshot of your desktop when closing the script as enabled by a special flag.

Required Dependencies:

- **Bash 3.0+** with ncurses support.
- **w3m-img** (occasionally packaged with **w3m**) or **iTerm2** or **Terminology** for printing images.
- imagemagick – for thumbnail creation.
- Linux terminal emulator should support **\033[14t [3]** or

Important: You can read more about optional dependencies from the Neofetch Github repository to check if your Linux terminal emulator actually supports **\033[14t** or any extra dependencies for the script to work well on your distro.

How To Install Neofetch in Linux

Neofetch can be easily installed from third-party repositories on almost all Linux distributions by following below respective installation instructions as per your distribution.

On Debian

```
$ echo "deb http://dl.bintray.com/dawidd6/ne
$ curl -L "https://bintray.com/user/downloac
$ sudo apt-get update
$ sudo apt-get install neofetch
```

```
$ sudo add-apt-repository ppa:dawidd0811/neo
$ sudo apt-get update
$ sudo apt-get install neofetch
```

On RHEL, CentOS and Fedora

You need to have **dnf-plugins-core** installed on your system, or else install it with the command below:

```
$ sudo yum install dnf-plugins-core
```

Enable COPR repository and install **neofetch** package.

```
$ sudo dnf copr enable konimex/neofetch
$ sudo dnf install neofetch
```

On Arch Linux

You can either install **neofetch** or **neofetch-git** from the AUR using **packer** or **Yaourt**.

```
$ packer -S neofetch
$ packer -S neofetch-git
OR
$ yaourt -S neofetch
$ yaourt -S neofetch-git
```

On Gentoo

Install **app-misc/neofetch** from Gentoo/Funtoo's official repositories. However, in case you need the git version of the package, you can install **=app-misc/neofetch-9999**.

How To Use Neofetch in Linux

Once you have installed the package, the general syntax for using it is:

```
$ neofetch
```

Note: If **w3m-img** or imagemagick is not installed on your system, screenfetch will be enabled by default and **neofetch** will display your ASCII art logo as in the image below.

Linux Mint System Information

Ubuntu Information

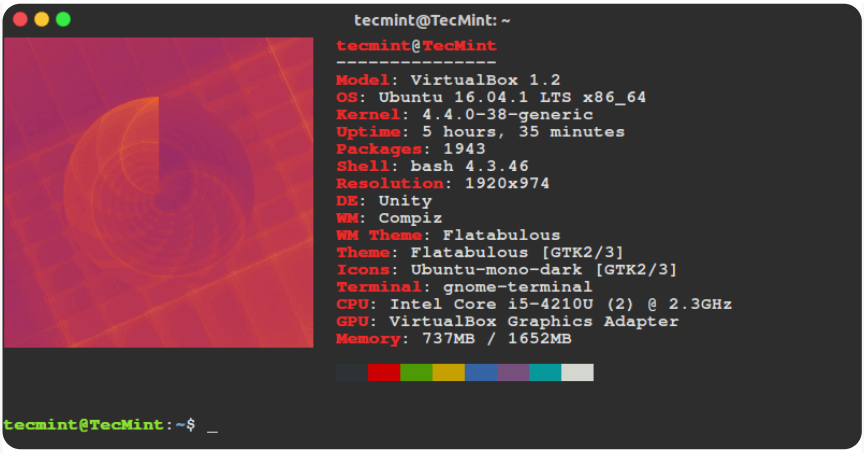
Ubuntu System Information

If you want to display the default distribution logo as image, you should install **w3m-img** or **imagemagick** on your system as follows:

```
$ sudo apt-get install w3m-img     [On Debian
$ sudo yum install w3m-img         [On RHEL/C
```

Then run **neofetch** again, you will see the default wallpaper of your Linux distributions as the image.

```
$ neofetch
```



Ubuntu System Information with Logo

After running **neofetch** for the first time, it will create a configuration file with all options and settings:

`$HOME/.config/neofetch/config` .

This configuration file will enable you through the `printinfo ()` function to alter the system information that you want to print on the terminal. You can type in new lines of information, modify the information lineup, delete certain lines and also tweak the script it using bash code to manage the information to be printed out.

You can open the configuration file using your favorite editor as follows:

Below is an excerpt of the configuration file on my system showing the `printinfo ()` function.

Neofetch Configuration File

```
#!/usr/bin/env bash
# vim:fdm=marker
#
# Neofetch config file
# https://github.com/dylanaraps/neofetch

# Speed up script by not using unicode
export LC_ALL=C
export LANG=C

# Info Options {{{


# Info
# See this wiki page for more info:
# https://github.com/dylanaraps/neofetch/wik
printinfo() {
    info title
    info underline

    info "Model" model
```

```
info "Packages" packages
info "Shell" shell
info "Resolution" resolution
info "DE" de
info "WM" wm
info "WM Theme" wmtheme
info "Theme" theme
info "Icons" icons
info "Terminal" term
info "Terminal Font" termfont
info "CPU" cpu
info "GPU" gpu
info "Memory" memory

# info "CPU Usage" cpu_usage
# info "Disk" disk
# info "Battery" battery
# info "Font" font
# info "Song" song
# info "Local IP" localip
# info "Public IP" publicip
# info "Users" users
# info "Birthday" birthday

info linebreak
info cols
```

Type the command below to view all flags and their configuration values you can use with neofetch script:

```
$ neofetch --help
```

To launch neofetch with all functions and flags enabled, employ the `--test` flag:

```
$ neofetch --test
```

You can enable the ASCII art logo again using the `--ascii` flag:

```
$ neofetch --ascii
```

In this article, we have covered a simple and highly configuration/customizable command line script that gathers your system information and displays it on the terminal.

Remember to get in touch with us via the feedback form below to ask any questions or give us your thoughts

Last but not least, if you know of any similar scripts out there, do not hesitate to let us know, we will be pleased to hear from you.

Visit the neofetch Github repository.

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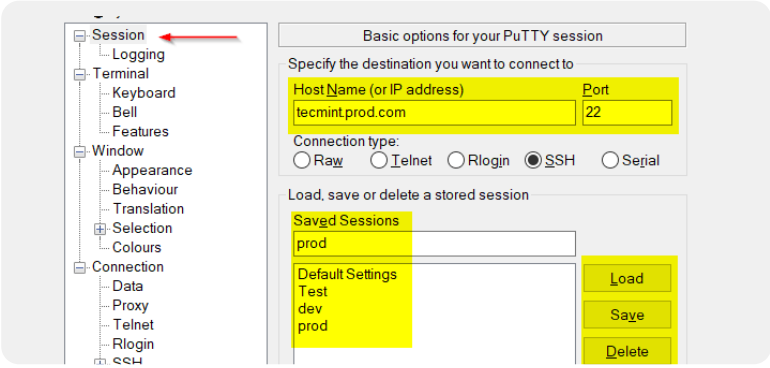

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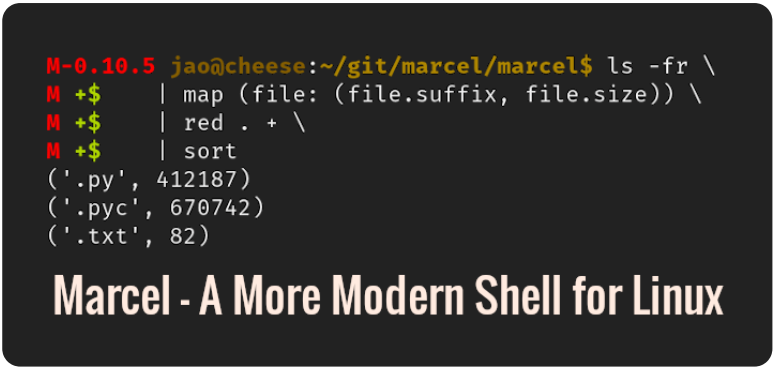

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