

# A little stroll from Floss to Hacktoberfest

Importance of Licensing  
Hacking and Free Software  
Git!!!!!!! GitHub  
Hacktoberfest  
Digital Ocean

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Hacktoberfest DevFest - 05 October 2019

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You can view at Hacktoberfest 2019

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# Who Am I

Geek@Slackware

twitter @zcoldplayer

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Work : SMTT@Meteorological.Services.mu

Active in many User group LUGM, MMC, MSCC, FECM, GDG\_MU  
and several other hackathons

Passionate about how and why things work.

Fervour Advocate of Free Libre and Open Source Software.

# Who are you

Would you mind tell me who you are?

Some hints:

1. @twitter\_handle
2. where you work
3. email you want to share
4. Hobbies
5. purpose and expectations of this session

# Community Groups in Mauritius

## Healthy growth of Community Groups in Mauritius

This turn of the century has seen an uprising of Community groups in Mauritius in the field of the Digital World. The diversity has helped the exchange and sharing of innovative ideas, experience, bleeding edge technology, upcoming events, conferences in the Digital Island of the Republic of Mauritius.

This is a list of some of the active communities in Digital Mauritius.

- ▶ Linux User Group Meta, LUGM
- ▶ Mauritius Software Craftsmanship Community, MSCC
- ▶ Mauritius Makers Community, MMC
- ▶ Front-End Coders Mauritius, FECM
- ▶ PHP User Group of Mauritius, phpMauritiusUG
- ▶ Symfonymu
- ▶ Google Developers Group Mauritius, GDG\_M
- ▶ Digital Marketing Mauritius

# Community Groups in Mauritius

Some little words about  
#VueVixensMu

# Dennis Ritchie

Dennis MacAlistair Ritchie was an American computer scientist. He created the C programming language and, with long-time colleague Ken Thompson, the Unix operating system. The 12th of october 2019 marks his 8th death anniversary. A little tribute to him.

# Questions

# Questions !!



# About YOUR experience

Have you ever participated in  
#Hacktoberfest

Do you License your creations?

Do you License your creations ?

What type of license do you usually use ?

# Hacking and Free Software

Hacking and Free Software have  
always worked together since the  
Dawn of computing  
Do you Hack ?

# Hacking and Free Software

To hack means to be very good at something but the work to be done is not necessarily a quality work.

# Hacking and Free Software

In essence, hacking is adding features to something which the original author never thought about.

# Free Software

Free Software has more emphasis  
upon end users  
Any change done to Free Software  
has to be published.

# Open Source Software

Open Source Software has more  
emphasis upon developers

# Linux and Linus Torvalds

What is Linux ??

Linus Torvalds has released Linux  
under the GPL.



# Problems within the Linux Kernel

Huge project with millions of lines of codes,

Several thousands of developers send an increasing number of patches per day

# Bitkeeper

Initially, the patches were managed through email

Later, Bitkeeper, a closed source versioning content system was used to manage the Linux Kernel patches.

# Git!!!!!!!!!!

Being closed sourced became impracticable, a solution was needed.

In a few days, Linus Torvalds wrote git using C primarily.

# GitHub - part 1

GitHub provides hosting for software development version control using Git.  
what are your favourite Free and Open Source project??

## GitHub - part 2

Last year Github was acquired by and is now subsidiary a Microsoft while offering all management functionality of Git as well as adding its own features but they are neither Free nor Open Source software but it is free of cost to use to a certain limit.

## GitHub - part 3

GitHub provides access control and several collaboration features such as bug tracking, feature requests, task management, and wikis for every project.

## GitHub – Be social

You can interact with people, repositories, and organisations on GitHub. See what others are working on and who they're connecting with from your personal dashboard.

# Digital Ocean

Digital Ocean is a cloud computing service provider so developers and their teams use to build software.



## what is Hacktoberfest

Hacktoberfest is an annual month-long event held in the month of October organised by Digital Ocean and Dev.to .

# Why Hacktoberfest

A marathon of coding, hacking festival is called a Hackathon.

A month long of beer festival, Volksfest, is called Oktoberfest.

# Hacktoberfest for coders, developers, hackers

This is a month to celebrate and encourage developers to get involved and contribute to open source projects.

# How to Hacktoberfest

Since this festival is about Free and Open Source Software.

Hacktoberfest is open to everyone in our global community.

# How to Hacktoberfest

The next step is to submit four quality pull requests to public GitHub repositories.

# How to Hacktoberfest

Register at  
[hacktoberfest.digitalocean.com](https://hacktoberfest.digitalocean.com)  
anytime between October 1 and  
October 31.

# How to Hacktoberfest

Work on issues with the label  
Hacktoberfest on GitHub projects  
and when finished send the pull  
request.

# Hacktoberfest Goodies

Upon completion of four pull requests, you will receive a Hacktoberfest t-shirt and stickers by November.



# Questions

# Questions !!