

Cloud Native Mauritius

A Certified CNCF Community Group

Organisers



- Alex Bissessur
- Kubernetes person @ LSL
- “I have co-organisers?”



- Arwin Neil
- Software Engineer @ Livestorm
- “I’m never in Mauritius”



- Ish Sookun
- Web Dev @ LSL
- “I make ugly websites”



- Delphine Bissessur
- Happily unemployed
- “I’m the responsible one”

What's a CNCG

- CNCG – Cloud Native Community Group
- A fancy term for a community focused on Kubernetes and Cloud Native technologies
- Affiliated with the CNCF

Kubernetes

- Created by Google to solve their infrastructure demands
- No single server can effectively run Google's services
- Introducing: clustering several servers together (and by several, I mean thousands)

Companies Using Kubernetes

Google



HUAWEI

laSentineLle
Pour devancer demain



OpenAI



WIKIMEDIA
FOUNDATION

What is the CNCF?

- Cloud Native Computing Foundation
- A branch of the Linux Foundation
- An organisation providing structure to the new era of infrastructure
- Provide a platform for cloud native projects to be developed and adopted

Application Definition & Image Build


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Streaming & Messaging


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Continuous Integration & Delivery



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Database


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Scheduling & Orchestration


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Service Proxy


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API Gateway



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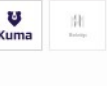



Service Mesh



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Coordination & Service Discovery


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Remote Procedure Call



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Runtime


Container Runtime



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podman



rkt



Hyperlight



INCLAVARE



Kubernetes



KUBESAR



Lima



youki



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CNCF INCUBATING



KANISTER



OpenEBS



ORAS



Piraeus



Veeva



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ANTREA



CNI-Gene



Felix



Batu


RedOctopus


OpenStack



Kubernetes



Kubernetes



SUSE


Provisioning


Security & Compliance



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Open Policy Agent



TUF



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Hexa



Keytime



KubeArmor



KUBERNETES



OPCR



OpenVX



BIOCALCOMP



PARALUS



PARSEC


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SOPS



Slim



Zot


Automation & Configuration



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

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K8S



K8S



CDK8S



K8S



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

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

K8S



K8S

Key Management


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Athenz



teller


Observability and Analysis


Observability



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FONIO



HISPERION GLOBET



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Feature Flagging



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Chaos Engineering


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ChaosBlade


krkn


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New Era of Infrastructure

- Ish is an old-school Linux sysadmin.
- Ish now does web development because traditional infrastructure is “meh”.
- Ish has left production infrastructure to a 21 year old because he has realised he is obsolete.

New Era of Infrastructure

Nowadays we talk a different language

- 5+ nines of uptime
- Scalability
- Zero downtime
- Agile
- Rolling Deployment
- Move fast
- EKS, GKE, AKS and a hundred platforms
- We even created a new job title: DevOps

What does the Community Do?

- Meetups
 - occasionally involving food and beer
- Projects
- A lot of talking on Telegram
 - sometimes related to cloud native
 - occasionally about new technologies
- Discussions around our extravagant homelabs

Projects We Have Worked On

Bitwarden External Secrets for Kubernetes



BITWARDEN

SECRETS IN KUBERNETES

```
-> external-secrets-bitwarden git:(main) x kubectl wait --for=condition=ready pod -l app.kubernetes.io/instance=bitwarden-external-secrets \
-n bitwarden-external-secrets --timeout=60s
pod/bitwarden-cli-b947d4b58-v6tn5 condition met
-> external-secrets-bitwarden git:(main) x
```



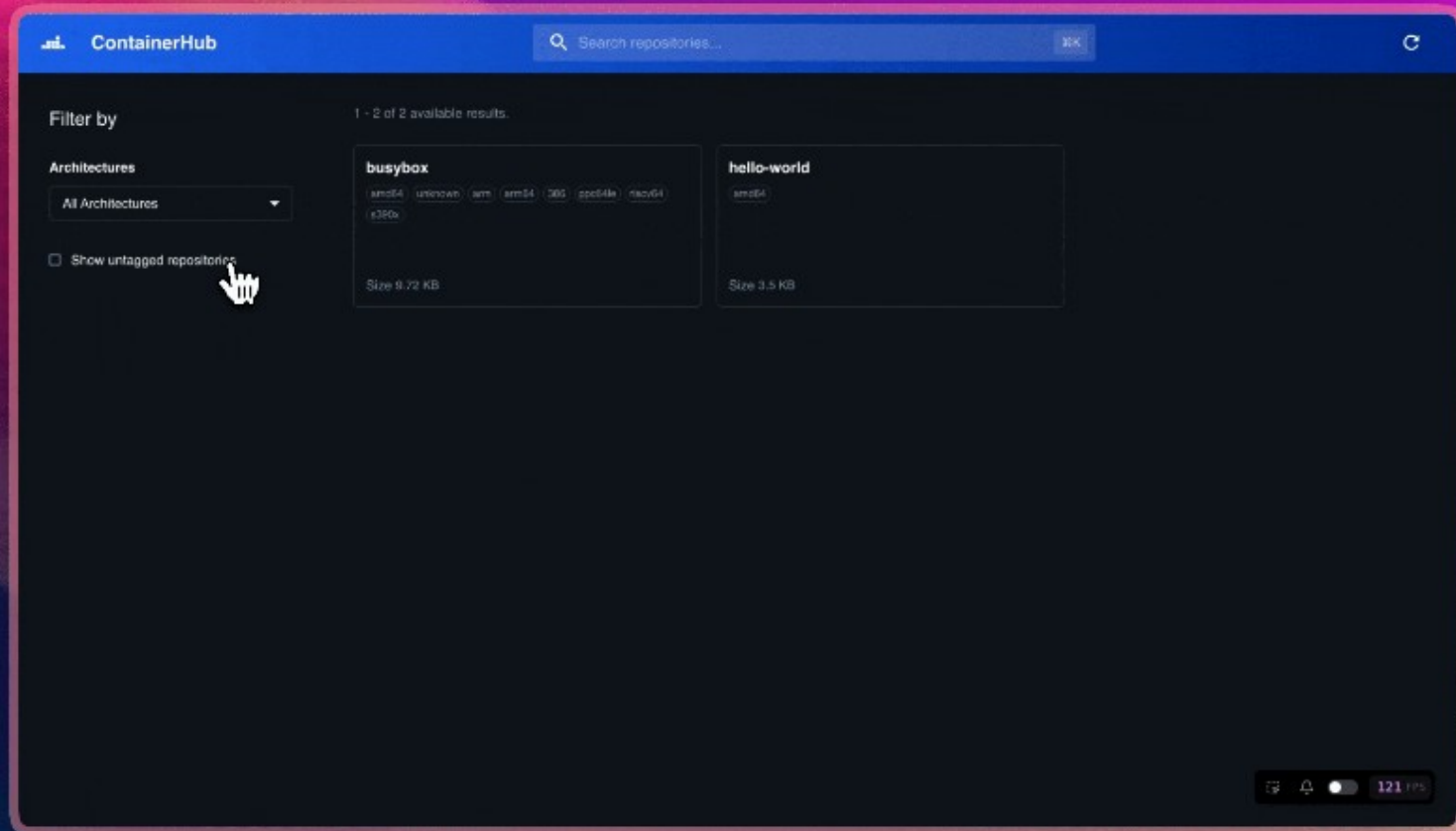
A Kubernetes operator that integrates [Bitwarden](#)/[Vaultwarden](#) with the [External Secrets Operator](#) to securely manage your Kubernetes secrets.

Bruno Bernard

Integrating
Bitwarden or
Vaultwarden with
Kubernetes to
manage secrets
securely and
efficiently.

Container Hub – Docker Registry UI

A simple, lightweight UI for exploring and managing Docker/OCI container registries.



Bruno
Bernard

Lightweight
Docker
Registry UI
to navigate
and
manage
registries

KRaft

justforfunnoreally dev

KRaft by Alex

> Create a cluster

> View clusters

> Manage endpoints

> Login/Register

Alex Bissessur

KRaft (not the cheese) – a cloud platform built entirely on top of Kubernetes, allowing me to be a CSP for my friends



KubeSolo.io



K3S



LONGHORN



K3K



youki



docker®

Who Are We For?

Anyone who:

- wants to learn about Kubernetes/Cloud Native and even Linux
- wants a community where Windows and Mac is shamed, and Linux is supreme ruler
- wants to learn about modern sysadmin, DevOps and even development practices



CLOUD
NATIVE

Mauritius

HACKTOBER

2025

FEST

Date: 11-12 Oct

Location: TBD

Upcoming Event

[OUR CHAPTER](#)[OUR SPONSORS](#)[CNCf](#)[BLOG](#)[CFP](#)

CLOUD NATIVE
COMMUNITY GROUPS
MAURITIUS

► UPCOMING EVENT

MEETUP

Cloud Native Hacktoberfest



TBD

OCTOBER

11

MEETUP

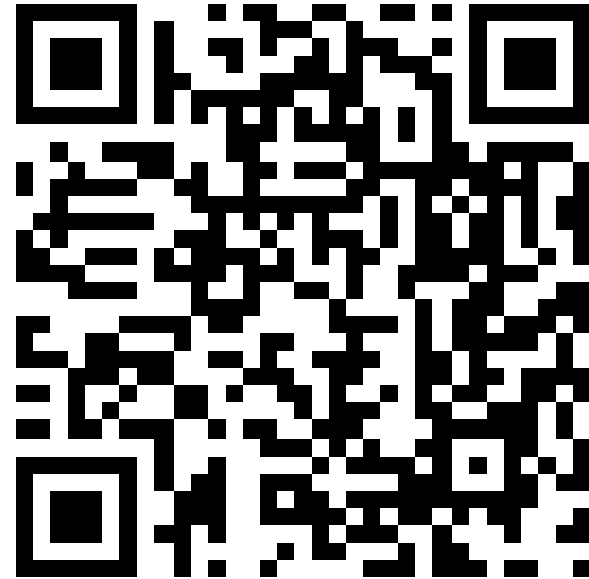
#cTENCf Birthday Bash Mauritius

Flying Dodo

Open in Maps

OCTOBER

31



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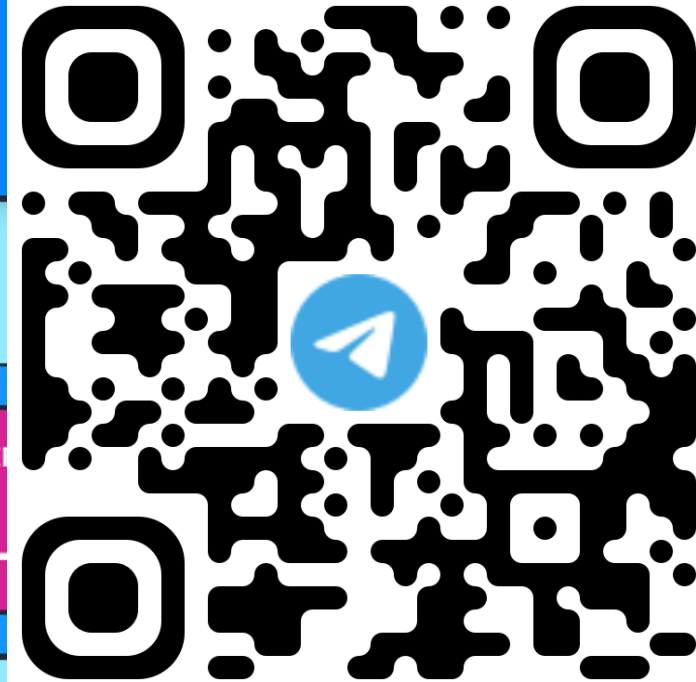
MEETUP

#cTENCf Birthday Bash Mauritius

Flying Dodo [Open in Maps](#)

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Africa

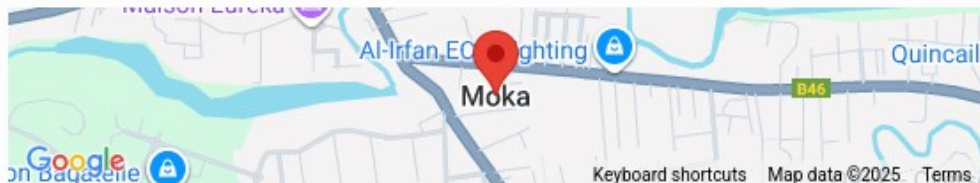
Cloud Native Mauritius

Joined

61 members

Location

Moka, Moka District
Mauritius



[Get directions](#)