kubernetes+ cloud native

eastern canada meetup

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Meetup Hosts

Nov the 16th, 2023

Sebastien / Prune

Lead Software Eng.

Cloud Native Ambassador (CNA)

Wunderkind

Mathieu Benoit

Customer Engineer

Cloud Native Ambassador (CNA)

humanitec

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Agenda

- Introduction
- CNCF News
- Prochains Meetup
- Retour sur KubeCon NA 2023
- Présentations
  - 100% OpenTelemetry par Maxime David (30 min)
  - Buildpacks : l'autre façon de créer des images de conteneur par Anthony Dahanne (30 min)
  - Les SBOMs par Olivier Gatimel (30 min)
- Tirage de prix !

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Un grand merci !

🍕 **PINQ²** 🍕

🍻 **CNCF** 🍻

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PINQ²
PLATEFORME D'INNOVATION NUMÉRIQUE ET QUANTIQUE

- La Plateforme d'Innovation Numérique et Quantique est un organisme à but non lucratif initié par l'Université de Sherbrooke et le ministère de l'Économie, de l'Innovation et de l'Énergie du Québec en 2020.
- Notre plateforme est basée sur des solutions numériques classiques, hybrides et quantiques, est accessible à toutes les entreprises québécoises et à l'ensemble des réseaux académiques universitaires et des centres collégiaux de transfert de la technologie (CCTT).

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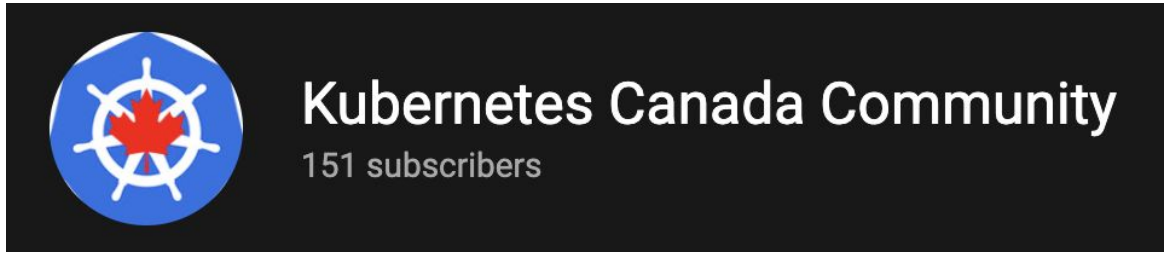

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Présentez lors de nos Meetups !

- **(Virtuel) Tech Talk**
  - **CFP link:** https://www.papercall.io/virtual-cncf-eastern-canada
  - **Who:** CNCF Ambassadors, CNCF Project Maintainers, community members, sponsors, etc.
  - **Focus:** cool projects, topics, tools: special guest speakers
  - **Durée:** 20 à 45 min + Q&A
- **In-Person Meetups**
  - **CFP link Montreal:** https://www.papercall.io/cncf-montreal
  - **CFP link Ottawa:** https://www.papercall.io/cncf-ottawa
  - **CFP link Toronto:** https://www.papercall.io/cncf-toronto
  - **CFP link Quebec City:** https://www.papercall.io/cncf-quebec

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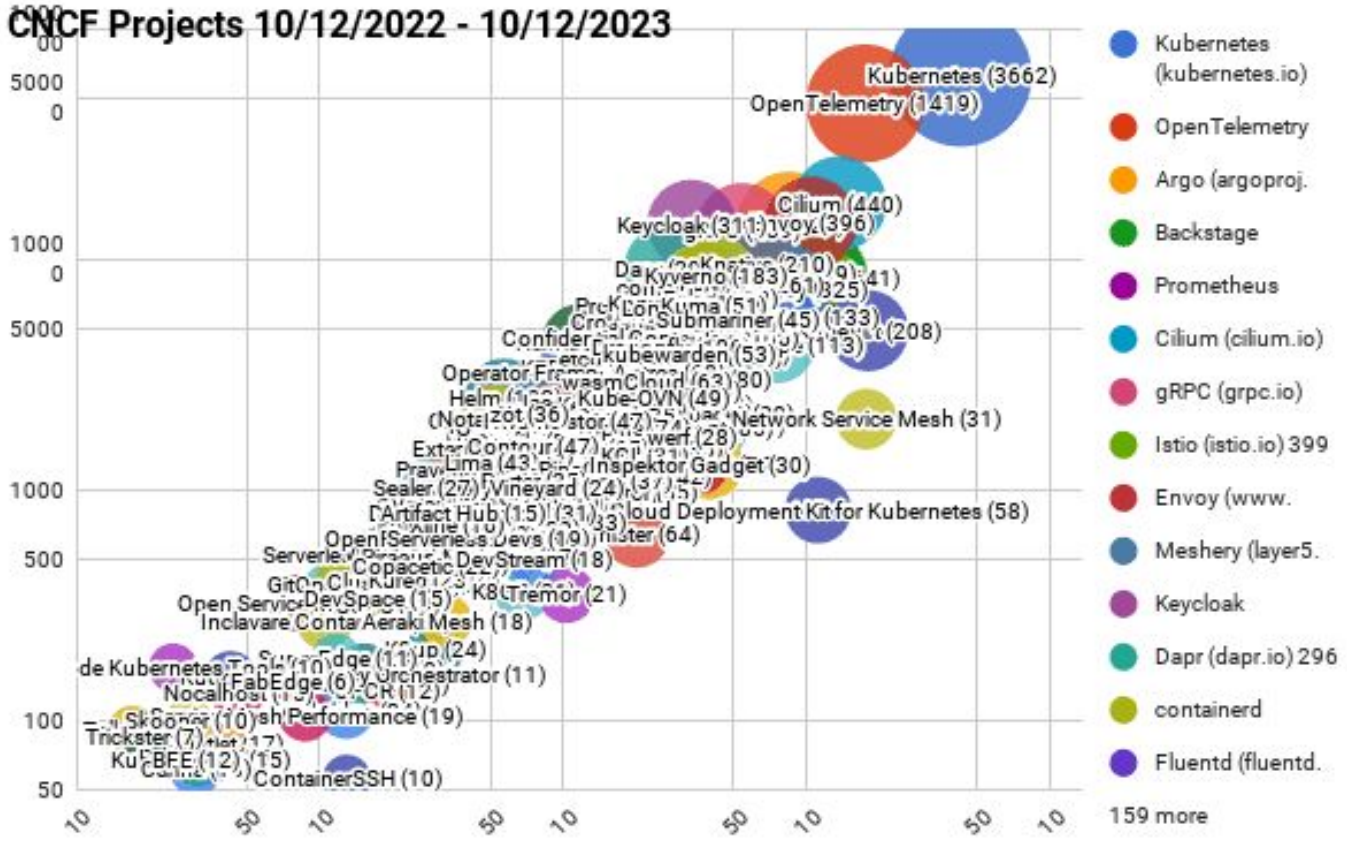
CNCF News

October 2023: velocity of top 30 CNCF projects



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cncf.io/blog

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kubernetes.io/blog

Gateway API v1.0: GA Release

Tuesday, October 31, 2023

Authors: Shane Utt (Kong), Nick Young (Isovalent), Rob Scott (Google)

On behalf of Kubernetes SIG Network, we are pleased to announce the v1.0 release of Gateway API! This release marks a huge milestone for this project. Several key APIs are graduating to GA (generally available), while other significant features have been added to the Experimental channel.

Kubernetes Removals, Deprecations, and Major Changes in Kubernetes 1.29

Thursday, November 16, 2023

Authors: Carol Valencia, Kristin Martin, Abigail McCarthy, James Quigley, Hosam Kamel

As with every release, Kubernetes v1.29 will introduce feature deprecations and removals. Our continued ability to produce high-quality releases is a testament to our robust development cycle and healthy community. The following are some of the deprecations and removals coming in the Kubernetes 1.29 release.

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Early-Bird en vente !

https://events.linuxfoundation.org/kubecon-cloudnativecon-europe/register/

15% avec le code KCEU24CNCFGMEET

- **CFP Closes:** Sunday, 26 November at 11:59pm Central European Time (UTC+1)
- **CFP Notifications:** Monday, 22 January

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Prochains KubeCon North America

Récap Kubecon NA 2023

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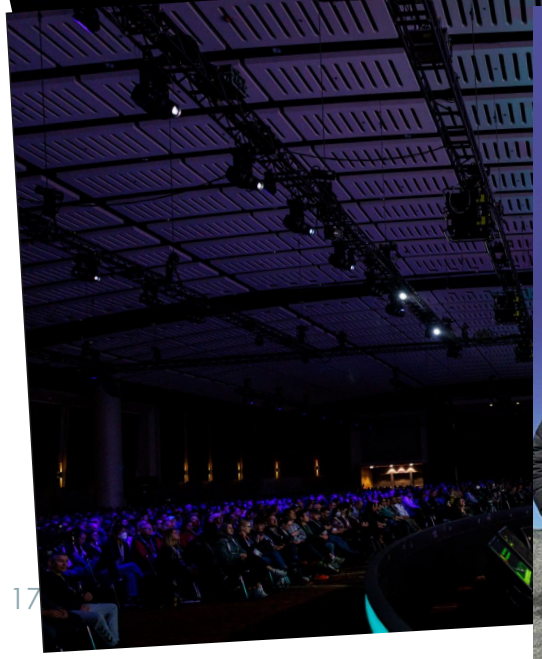
KubeCon
CloudNativeCon
North America 2023
Architect
Your Future



On-demand videos

- Cloud Native Rejekts NA 2023
- Istio Day NA 2023
- EnvoyCon NA 2023
- Cloud Native Wasm Day NA 2023
- BackstageCon NA 2023
- ArgoCon NA 2023
- AppDeveloperCon NA 2023

youtube.com/@cncf

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Carol

- eBPF:
  - Documentaire
  - Cilium
- Emphase:
  - AI
  - Platform Engineering
  - ArgoCD
- Expérience d’un premier KubeCon.
  - Co-Located events

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Prune

- Micro-conference des Rejekts
- Focus principal:
  - GitOps (ArgoCD)
  - Security (Kyverno, OPA)
  - Scaling (Cost) Management (Keda)
  - Réseau / Mesh (Cilium)
- Meilleurs talks:
  - aucun !!
  - plein de bons talks sur https://www.youtube.com/@cncf/videos

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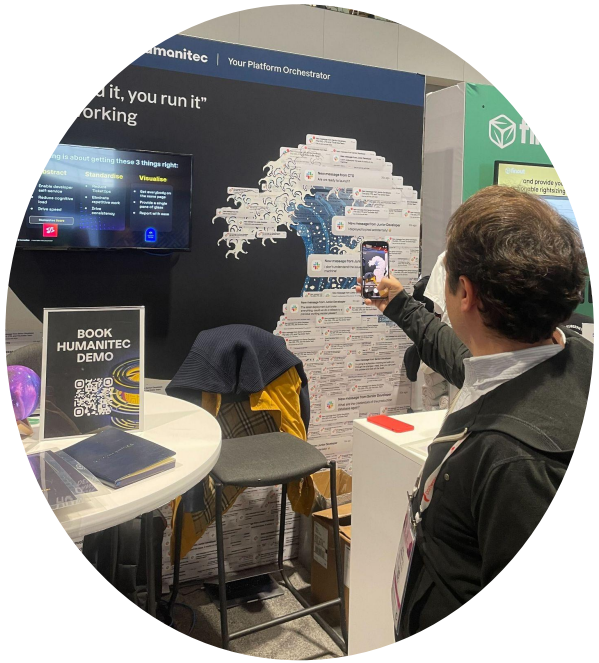
Mathieu

- Humanitec's booth
- Lightning talks
- Meeting with people!
- App Delivery Working Group (Platform Engineering group) meetup
    - CNOE
    - Radius
    - Workload Spec like Score and Acorn
- Eric D. Schabell: KubeCon NA 2023 - Roadmap to Becoming a CNCF Ambassador



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Local community

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Some contents from our local community

- Hey, let's talk again about Limits and Throttling ! :: Cloud Native Rejekts NA (Chicago) 2023 | by Sebastien Prune Thomas
- How to highly secure your GKE cluster setup | by Mathieu Benoit
- The new Kubernetes Gateway API with Istio and Anthos Service Mesh (ASM) | by Mathieu Benoit
- AWS re:invent - Benchmarking AWS Lambda cold starts | by Maxime David

Some blog articles from our local community

- Champion Innovator David Cardozo, based in Victoriaville
- Maxime Coquerel's Blog - AKS Security
- PolySécure Podcast - Teknik - Kubernetes - Les API et le RBAC | by Sébastien Thomas
- Why Platform Engineering is so important? And what is it by the way? | by Mathieu Benoit
- Sail Sharp, 9 tips to optimize and secure your .NET containers for Kubernetes | by Mathieu Benoit
- Med Mouine's talks and publications
- Temporary privileges as a service, a nice engineering challenge | by Jean-Philippe Lachance

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Présentations !

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100% OpenTelemetry

Maxime David

Link to the presentation

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Buildpacks

Anthony Dahanne

Link to the presentation

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Les SBOMs

Olivier Gatimel

Link to the presentation

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Prix pour les bonnes questions !

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Québec Meetup

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