

# Sylva WG06

April session

# Agenda

- Back on "**Trivy incident**" (supply chain compromission): reminders, lessons learned and best practices for GitOps organizations as this attack is surely not the last one - M.Hernandez/Sysdig (For people who already tried Falco or used Wireshark, you already know a little bit Sysdig. Thanks to Miguel and Philippe for the sharing)
- Discussions on the opportunity of a **Sylva/CNTF plufgfest/Hackathon** on K8s operators for mobile operations: Get feedback on WG06 interest, perimeter definition, event format, vendor view - M.Richomme/WG06. It is a slot to share some discussions initiated during the Sylva Day and the Kubecon.

# Back on the Trivy incident

M.Hernandez, Sysdig



# Sylva/CNTF K8s operator Hackathon/PlugFest

# Context

- During kubecon, P.Wörndle (E//) & J.Strudler (Swisscom) gave a feedback on a joint Hackathon <https://www.youtube.com/watch?v=tFpeFRzd47Y>
- It echoed some discussions on the interest to organize such event within Sylva/CNTF context to promote the use of real K8S operator and improve the cloud nativeness of Mobile deployment (see also Telstra/Swisscom) Kubecon session <https://www.youtube.com/watch?v=duYk-FjcKAg>)
- It was also discussed during the Sylva Day Panel (Swisscom, DT, Telstra). DT (who shared some info on their own operator during a WG06 session) insisted on the need to onboard vendors (which is for the moment not really the case in WG06)
- Sylva WG4 communication is very interested to organize such event
- That said, everything has to be defined: the perimeter, the event format

# Define the perimeter

- Which operators are we speaking about?
  - Vendor configuration operator ? To address the D2 configurations in GitOps
  - Business operator ? (APN/MPN) - create an abstraction to deploy a use case with an operator (not with an orchestrator)
  - Tooling operators ? (Netbox, SDC, Harbor,...)
- The possible audience: an integrator/developer oriented event
  - Telco DevOps team (including expert on use cases for the business operators)
  - Open Source communities contributors
  - Vendors

# Define the format

- To be efficient, things must be prepared before the event
- Joint work Vendor/Telco shall be initiated prior to the event
- The event can be the occasion to complete the dev, test and share
- 2-3 days
- Mix between a Hackathon (dev needed to improve the operator) and a Plugfest (operator tested by newcomers)
- Participants must have prepared a remote lab to deploy/test/share the operators
- The goal is to meet, and create code to simplify the management of our daily activities in GitOps

# Proposal

- Event –3 months:
  - List of candidate operators – description of the stake, objective during monthly WG06
  - Identification of the operator leaders (vendor+Telco+..)
  - Call for participation
- Event –1 month:
  - Building the teams:
    - Team Operators: teams who will work in advanced on their operator (min 4)
    - Team Users: teams that will try, use, give feedback, create issues/PR
    - Creation of "Plugfest" slots
- Event
  - Day 1 AM: Each team introduces its operator
  - Day 1 PM: Slot 1 (with breaks, coffees, )
  - Day 2 AM: Slot 2
  - Day 2 PM: Slot 3
  - Day 3 AM: Slot 4
  - Day 3 PM: wrap up – vote for the best operator, the most original, the most promising,...
- Post Event
  - Operators referenced (with code in github/gitlab when possible)

# Example (absolutely not contractual...)

User / Operator	APN config E// operator (Swisscom+Ericsson)	Nokia provisioning operator (Nokia+Orange)	Netbox Operator (Netbox + Swisscom)	5G Observability operator (DT)	Suply chain Security Operator (Aquasec)
Team user 1	Slot1	Slot 2	Slot 3	Slot 4	
Team user 2	Slot 2	Slot 3	Slot 4		Slot 1
Team user 3	Slot 3	Slot 4		Slot1	Slot 2
Team user 4	Slot 4		Slot 1	Slot 2	Slot3
....					

# Risks

- No vendor interested
- Not critical mass to create teams
- Operator too specific
- Impossible to find budgets for developers/integrators