



Joint Webinar

Critical DevSecOps Considerations For Multicloud Kubernetes

September 18th, 2020

PRESENTED BY:

NUTANIX



Presenters



Sylvain Huguet

Sr. Product Manager
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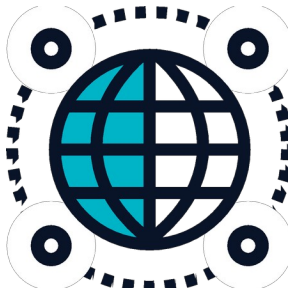
Loris Digioanni

CTO and Founder

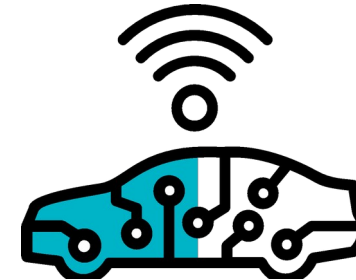
 **sysdig**

Every Enterprise Is A Software Enterprise

Industrial
IOT

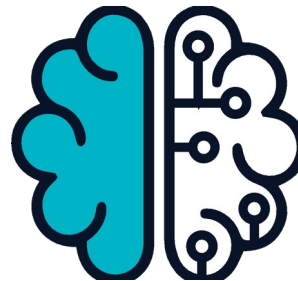


Connected
Cars



SOFTWARE

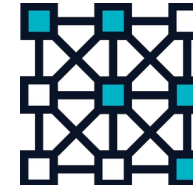
Artificial
Intelligence



Direct
To Consumer



Container Adoption Is Evolving



Lightweight VMs

Provide a more efficient form of virtualization with smaller images and faster boot time

CI-CD

Make it easy to package application components and run them in different environments

Cloud Native

Building block for microservices

It's A Much More Open World

Istio

Falco

OPA

Network policies

Anchore

**Admission
Controller**

**Pod Security
Policies**

**Seccomp
Profiles**

Calico

The Stack Is More Complex

Istio

Falco

OPA

Network policies

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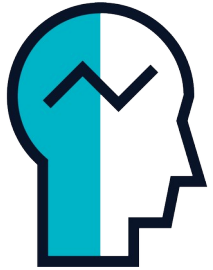
Calico



Cloud instances = Cattle

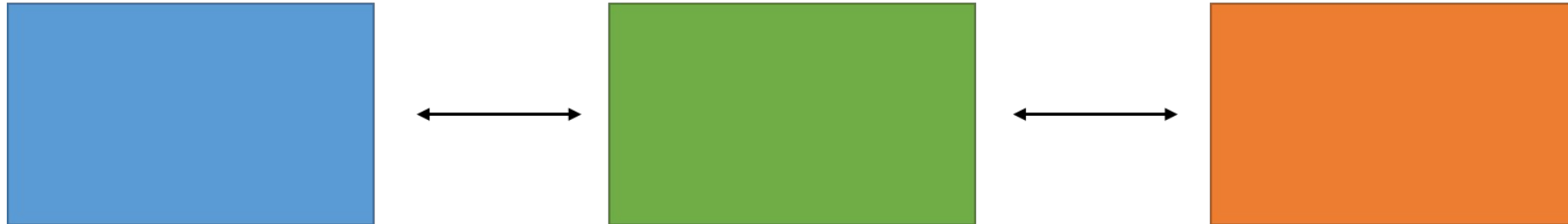
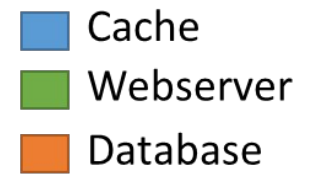


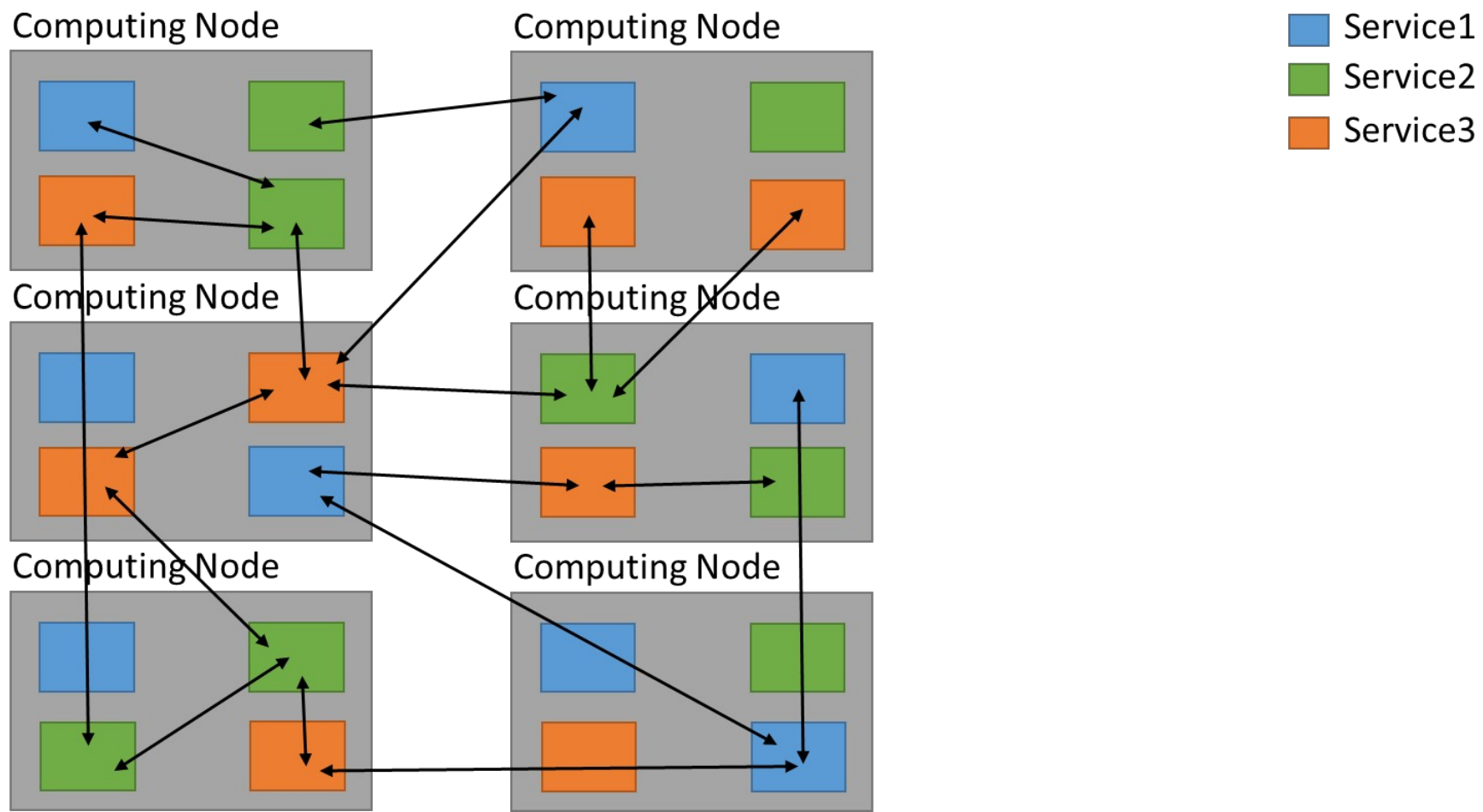
Containers = Swarms of locusts



**It's hard to understand what
locusts do.**

It's hard to secure them.







Legacy tooling can't help you.

**You can't
secure
what you
cannot see.**



Cloud-native leaves you blind.



**Cloud-native security fails
without context.**

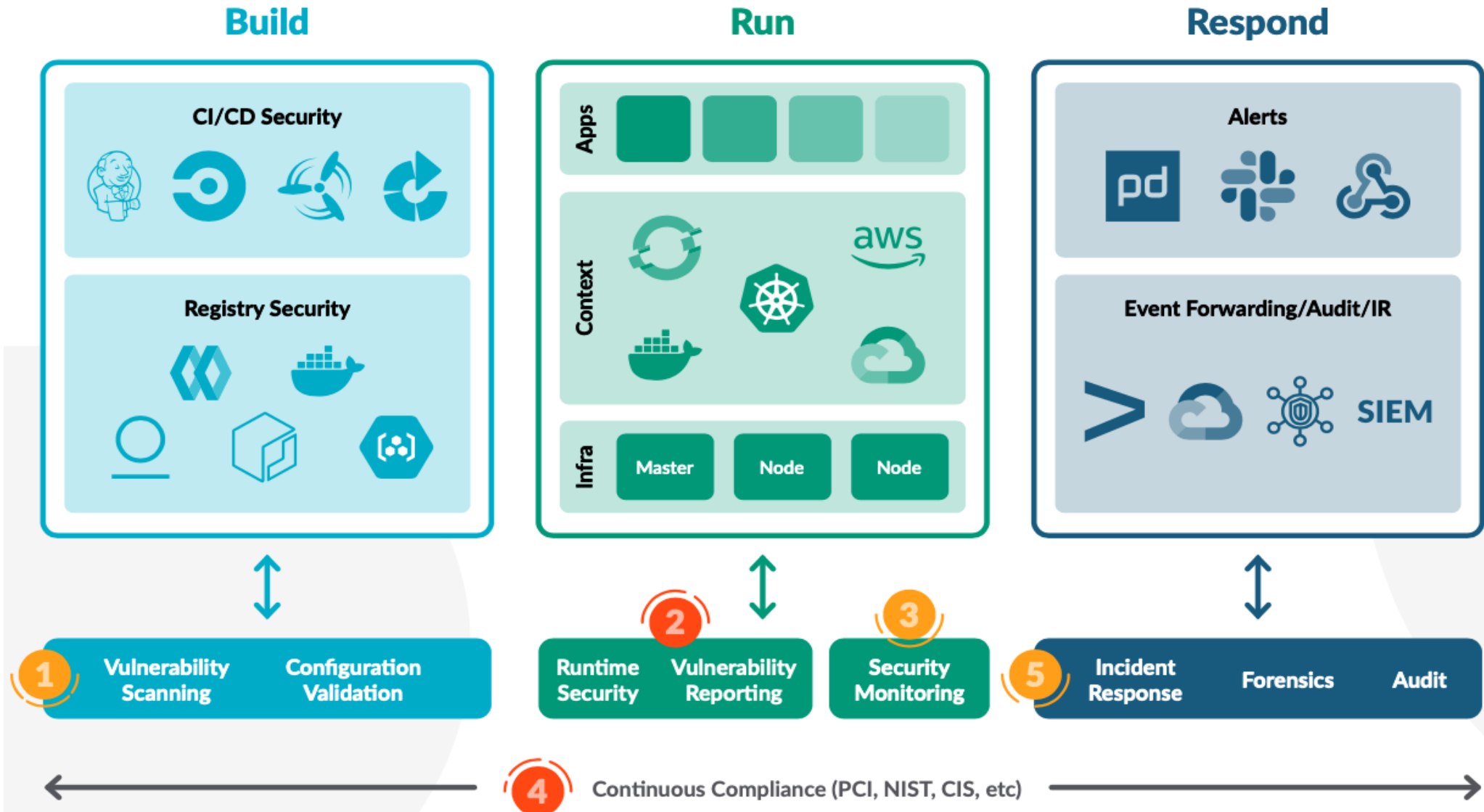


**Containers disappear and leave
no trail.**

Containers CAN be more secure



Modern Security

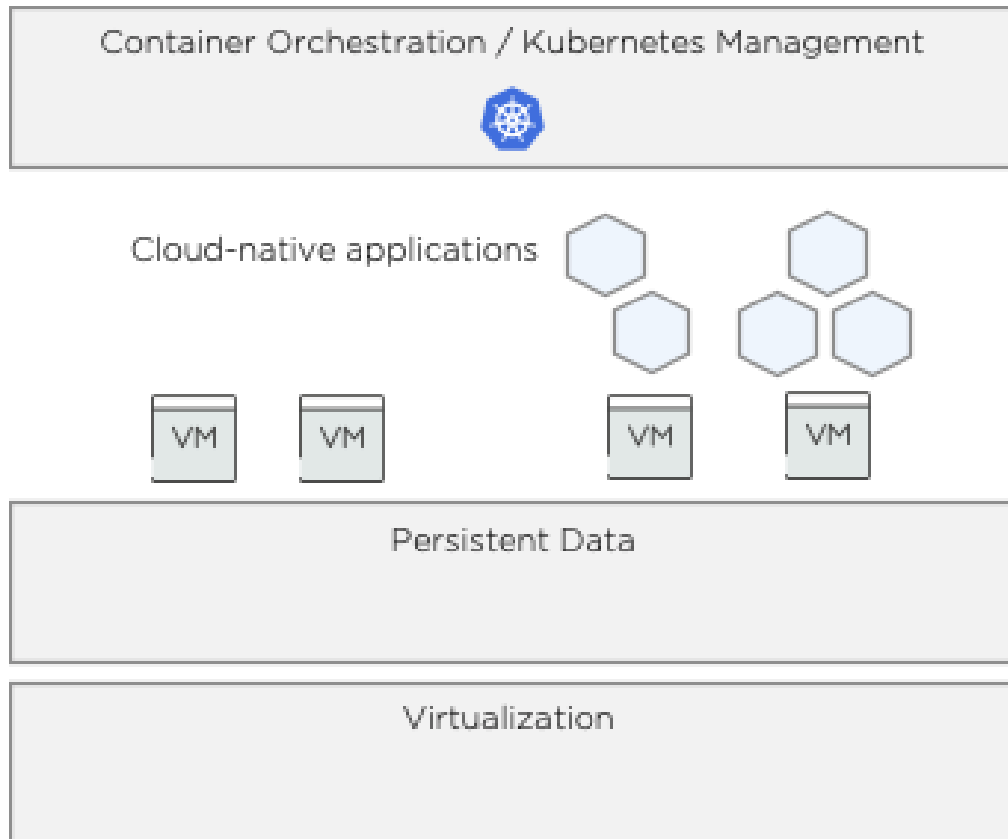


The dreaded 'Human Error'

I'M SORRY

**can be worse than any
swarm of locusts!**

Security Down The Stack



- You can make your container platform secure, but is your infrastructure secure?
- If your infrastructure isn't secure, you open yourself to many threat vectors
- Down the stack, the “blast radius” gets bigger and bigger

Security Throughout The Cloud Native Journey

Security teams are much closer to DevOps teams than you think. They want:

AUDITABILITY

- Automation
- Centralized logging

SIMPLE PROCESSES

- A microservice does one thing (and one thing only)

NO DISRUPTION

- Non-disruptive Kubernetes and node OS upgrades

*Needed across the entire stack:
from modern applications to modern infrastructure!*

Security Throughout The Cloud Native Journey

- Bring ops, developers, and security practitioners together
- We're all looking for the same thing (we just talk about it differently)

Security In The Multicloud Era



- Is my traditional 3-tier infrastructure able to cope with new cloud-like consumption?
- What if infrastructure was an app like any other?
- How would **you** go about securing **your** app?



Thank You

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