Continuous Security for Cloud-Native Apps

Ali Golshan - Cofounder and CTO

StackRox

Benefits of a Kubernetes-Native Approach to Security

LOWER OPERATIONAL COST

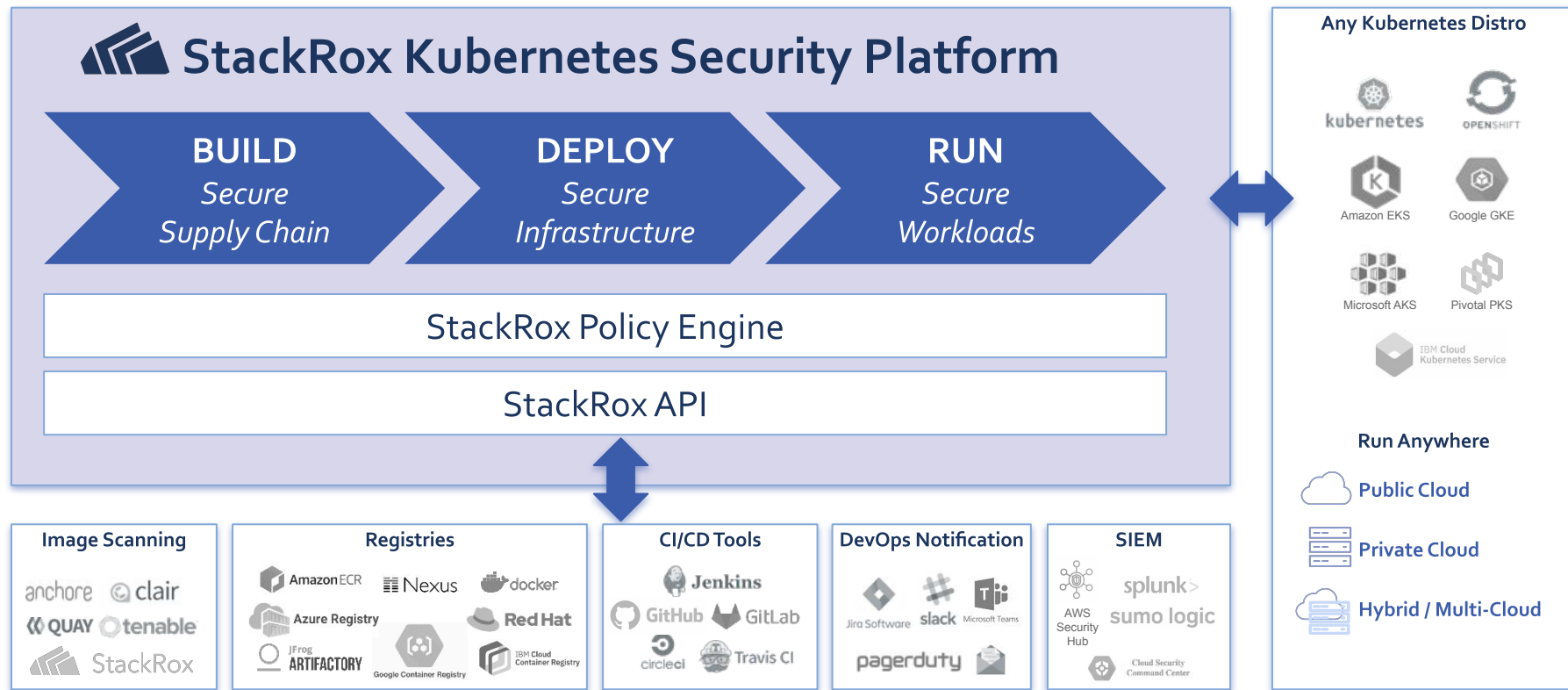DevOps and Security teams can use a common language and source of truth

REDUCE OPERATIONAL RISK

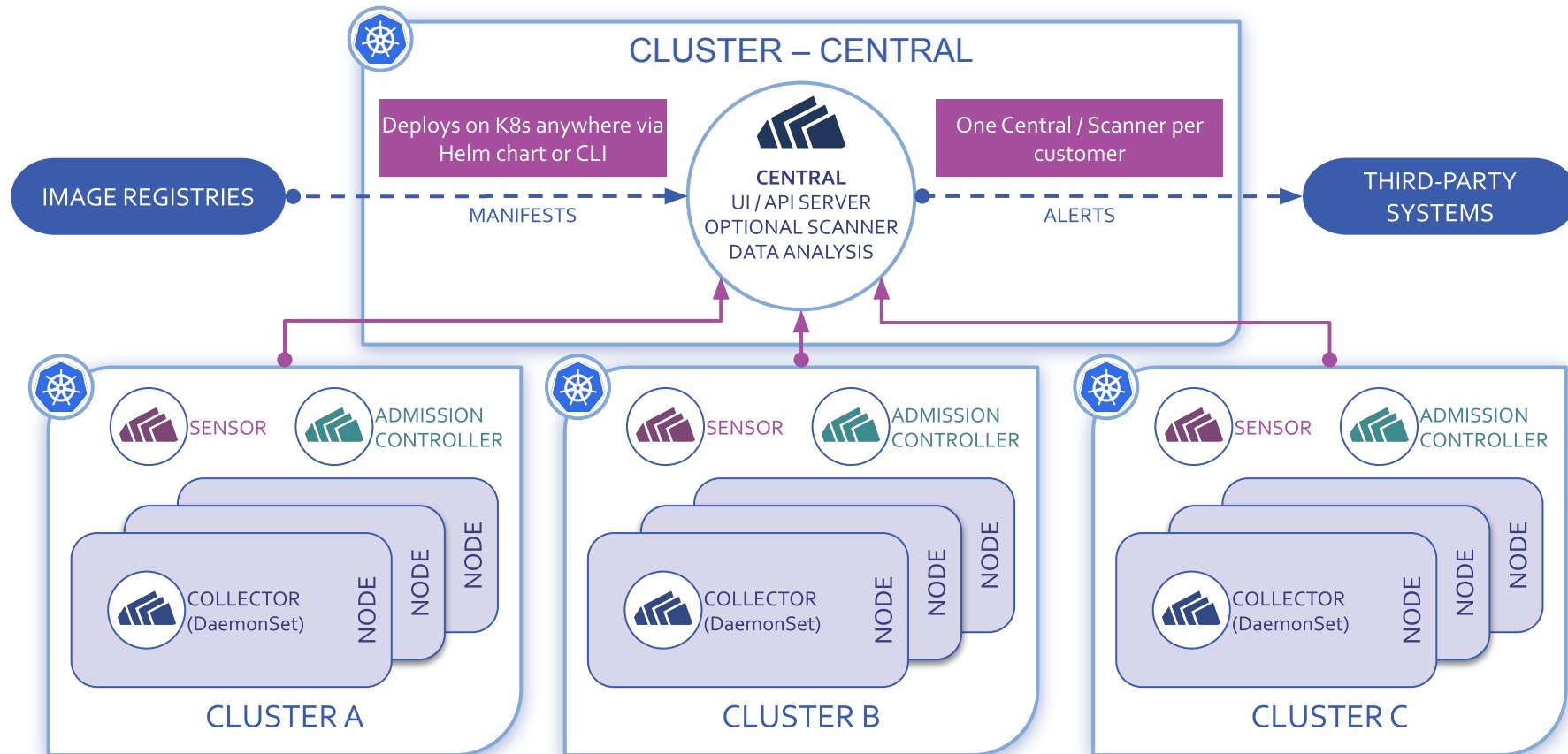Ensure alignment between security and infrastructure to reduce application downtime

INCREASE DEVELOPER PRODUCTIVITY

Leverage Kubernetes to seamlessly provide guardrails supporting developer velocity

StackRox

StackRox: The First Kubernetes-Native Security Platform

StackRox Kubernetes Security Platform

BUILD
Secure Supply Chain

DEPLOY
Secure Infrastructure

RUN
Secure Workloads

StackRox Policy Engine

StackRox API

Any Kubernetes Distro

kubernetes · OPENSHIFT
Amazon EKS · Google GKE
Microsoft AKS · Pivotal PKS
IBM Cloud Kubernetes Service

Run Anywhere

Public Cloud

Private Cloud

Hybrid / Multi-Cloud

Image Scanning

anchore · clair
QUAY · tenable
StackRox

Registries

Amazon ECR · Nexus · docker
Azure Registry · Red Hat
JFrog ARTIFACTORY · Google Container Registry · IBM Cloud Container Registry

CI/CD Tools

Jenkins
GitHub · GitLab
circleci · Travis CI

DevOps Notification

Jira Software · slack · Microsoft Teams
pagerduty

SIEM

AWS Security Hub · splunk> · sumo logic
Cloud Security Command Center

StackRox

StackRox Kubernetes Security Platform Architecture

KubeLinter: Enforce Kubernetes Security Best Practices

- StackRox shifted left

- Open source Apache 2.0 license

- Checks Kubernetes YAML files and Helm charts

- 16 default checks

- Extensible with custom checks

- Integrates with any CI tool

KubeLinter as a GitHub Action

https://github.com/stackrox/kube-linter
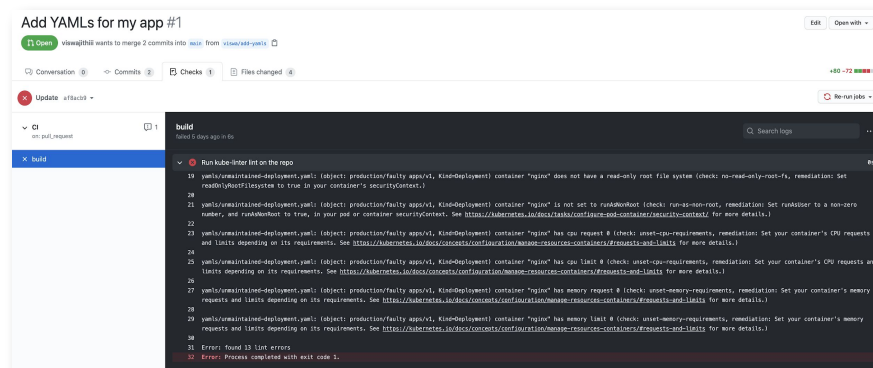
Thank You

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