



CLOUDNATIVE **SECURITYCON**

NORTH AMERICA 2023



Application Security Leads to Better Business Value



Moderator



Larry Carvalho

Panelists



Hillary
Benson



Kirsten
Newcomer



David
Zendzian



GitLab



Red Hat

vmware®

GitLab Use Case – Reduce Unnecessary Risk



Risk Reduced

- Vulnerability lifespan
- Gaps in Software Supply Chain Security measures
- Lack of security testing coverage

Solutions Built

- End-to-end Software Supply Chain Security
- Security policy and compliance governance
- Application Security Testing

Business Value Delivered

- Ship software faster with more efficient security outcomes & lower MTTR
- Demonstrate compliance with industry and regulatory standards within the platform you already use to build software
- Reduce risk of costly breaches with native policy & compliance controls

OSS Products Used

- Kubernetes
- Semgrep
- Gitleaks
- Kubesec
- Trivy
- OWASP ZAP

GitLab Products Used

- GitLab: The DevSecOps Platform



Red Hat Use Case – Securing the platform and application



Risk Reduced

- Supply chain attacks
- Exploits of known vulnerabilities and/or misconfigurations
- Malicious intrusion, lateral movement, privilege escalation, etc)

Solutions Built

- Kube-native supply chain security
- Image vulnerability and configuration analysis
- Platform protections
- Automated regulatory compliance
- Runtime detection & response

Business Value Delivered

- Improved ROI for security program with more informed and contextualized risk assessments
- Automated guardrails based on industry standards that bridge the skill and context gap between security and developers
- Faster time to resolution with better quality data and ootb guidance

OSS Products Used

- Kubernetes
- Operator Framework
- Istio/Envoy
- Tekton, Tekton Chains
- StackRox
- Quay with Clair
- OPA Gatekeeper
- Sigstore/Cosign
- Falco libs
- Compliance as Code

Red Hat Products Used

- Red Hat OpenShift
 - OpenShift Pipelines
 - OpenShift GitOps
 - OpenShift Service Mesh
- Red Hat Advanced Cluster Security
- Red Hat Quay
- Red Hat Advanced Cluster Management



VMware Use Case – Beyond Shift Left Security



Risk Reduced

- E2E Supply Chain
- OSS components
- Security model for modern app continuously secure applications

Solutions Built

- Security as 1st class DevEx
- Security capabilities that comprehensively span the 5 Cs: code, container, cluster, cloud, connectivity

OSS Products Used

- Kubernetes
- Cartographer/Tekton
- Carvel
- OPA / Gatekeeper
- Flux
- Anchore Syft / Grype
- Trivy / Sonobuoy
- Spiffe / Spire / Pinniped
- Korifi / Paketo Buildpacks

VMware Products Used

- Tanzu Application Platform
- Tanzu for Kubernetes Operators
- Aria Guardrails
- Tanzu Application Service

Business Value Delivered: Continuously Securing Apps

- Faster path to production with security-approved, language-specific "golden paths"
- Biz can embrace OSS ecosystem with confidence
- Application teams can meet compliance & security requirements



Q&A



**Please scan the QR Code above
to leave feedback on this session**