



Continuous security for cloud-native applications

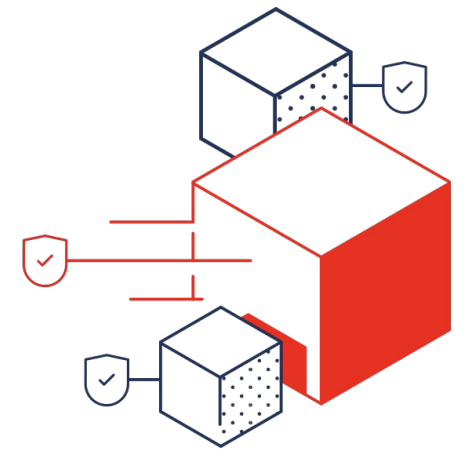
Red Hat® Advanced Cluster Security
for Kubernetes

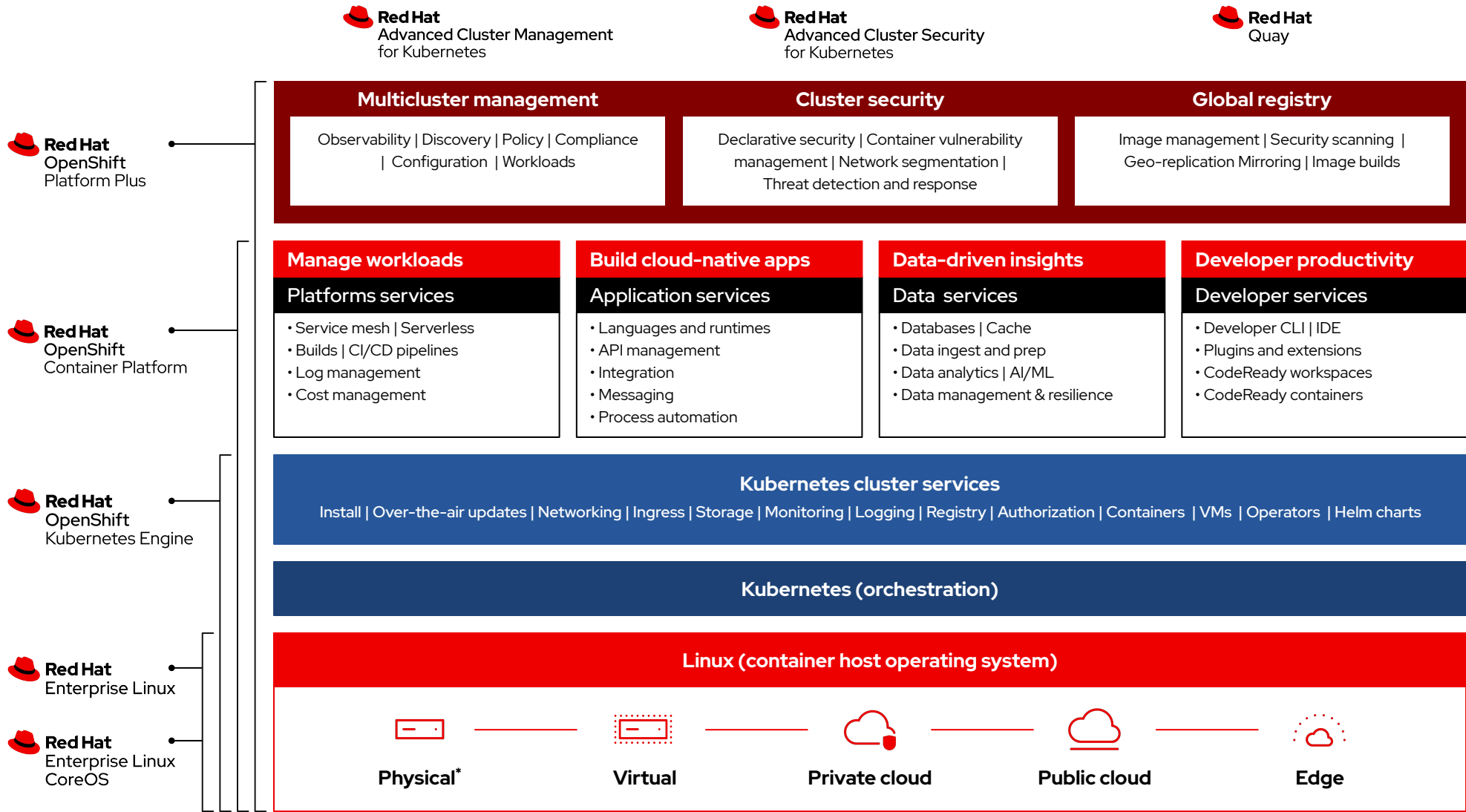
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The vision:

To enable organizations to
securely build, deploy, and
run cloud-native
applications anywhere





* Red Hat OpenShift® includes supported runtimes for popular languages/frameworks/databases. Additional capabilities listed are from the Red Hat Application and Data Services portfolio.

Kubernetes is the standard
for application innovation...



- ▶ Microservices architecture
- ▶ Declarative definition
- ▶ Immutable infrastructure

...and Kubernetes-native
security is increasingly critical



- ▶ Secure supply chain
- ▶ Secure infrastructure
- ▶ Secure workloads

DevOps

DevSecOps

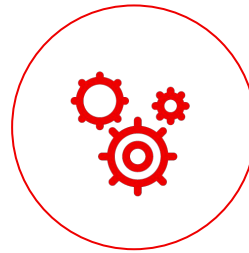
Security

Benefits of a Kubernetes-native approach to security



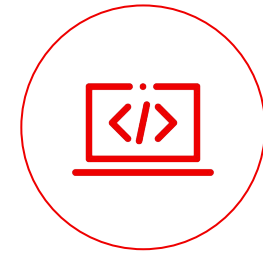
Lower operational cost

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



Detect



Protect



Respond

Trusted content

Container registry

Build management

CI/CD pipeline

Vulnerability analysis

App config analysis

APIs for CI/CD integrations

Kubernetes platform lifecycle

Identity and access management

Platform data

Deployment policies

Image assurance and policy admission controller

Compliance assessments

Risk profiling

Container isolation

Network isolation

Application access and data

Observability

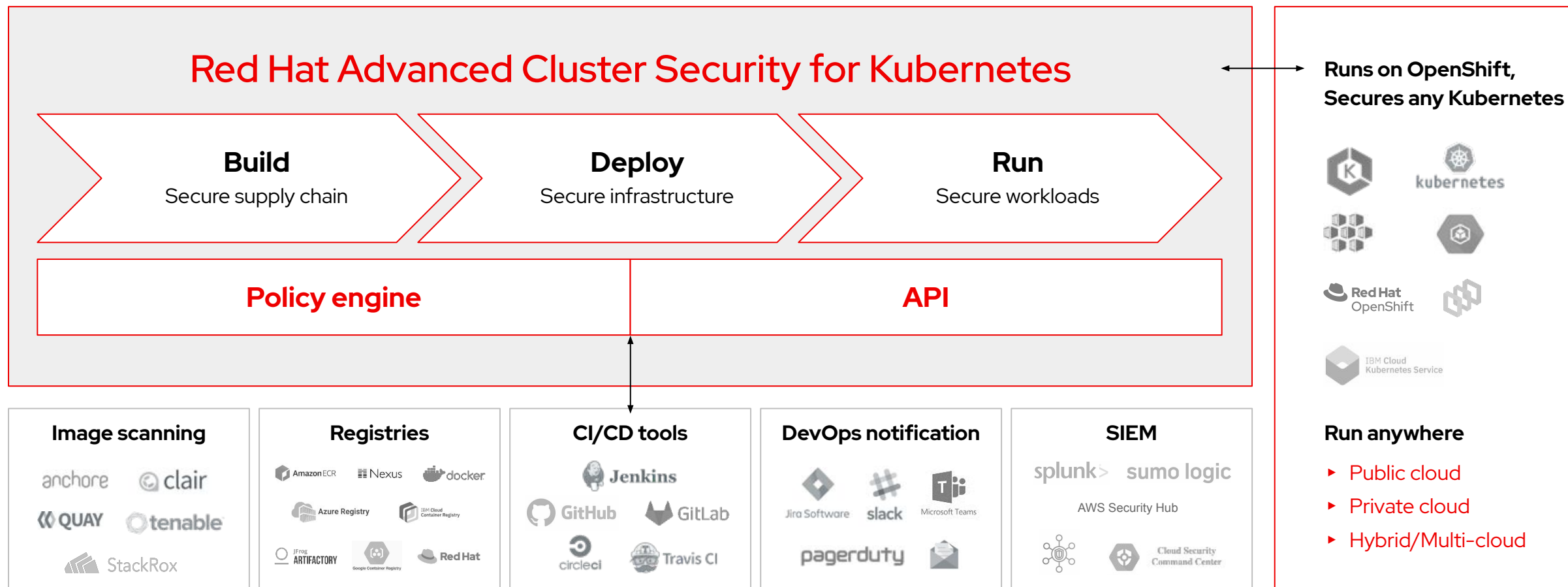
Runtime behavioral analysis

Auto-suggest network policies

Threat detection / incident response

DevSecOps

The first Kubernetes-native security platform



What our customers say



Easy to use Kubernetes native security platform

SVP Engineering



Great k8s security tool for end-to-end security

Principal Security Architect



Security, visibility, vuln management for k8s, containers

DevOps Engineer



Must have for environments running Kubernetes

Head of Cloud Operations



Build, deploy, and runtime security for containers

Executive sponsor



One stop for our security needs

Security operations



Easiest way to natively secure Kubernetes

VP engineering



It just works

DevOps Lead

Case study

sumo logic

"...(StackRox) natively deploys in Kubernetes, it fits right into our architecture."

George Gerchow,
Chief Security Officer

SaaS / Technology



Use Cases

- ▶ Vulnerability management
- ▶ Security compliance
- ▶ Security configuration management



Challenges

- ▶ Moving workloads to Kubernetes
- ▶ Implementing security while building app dev environments
- ▶ Securing sensitive data



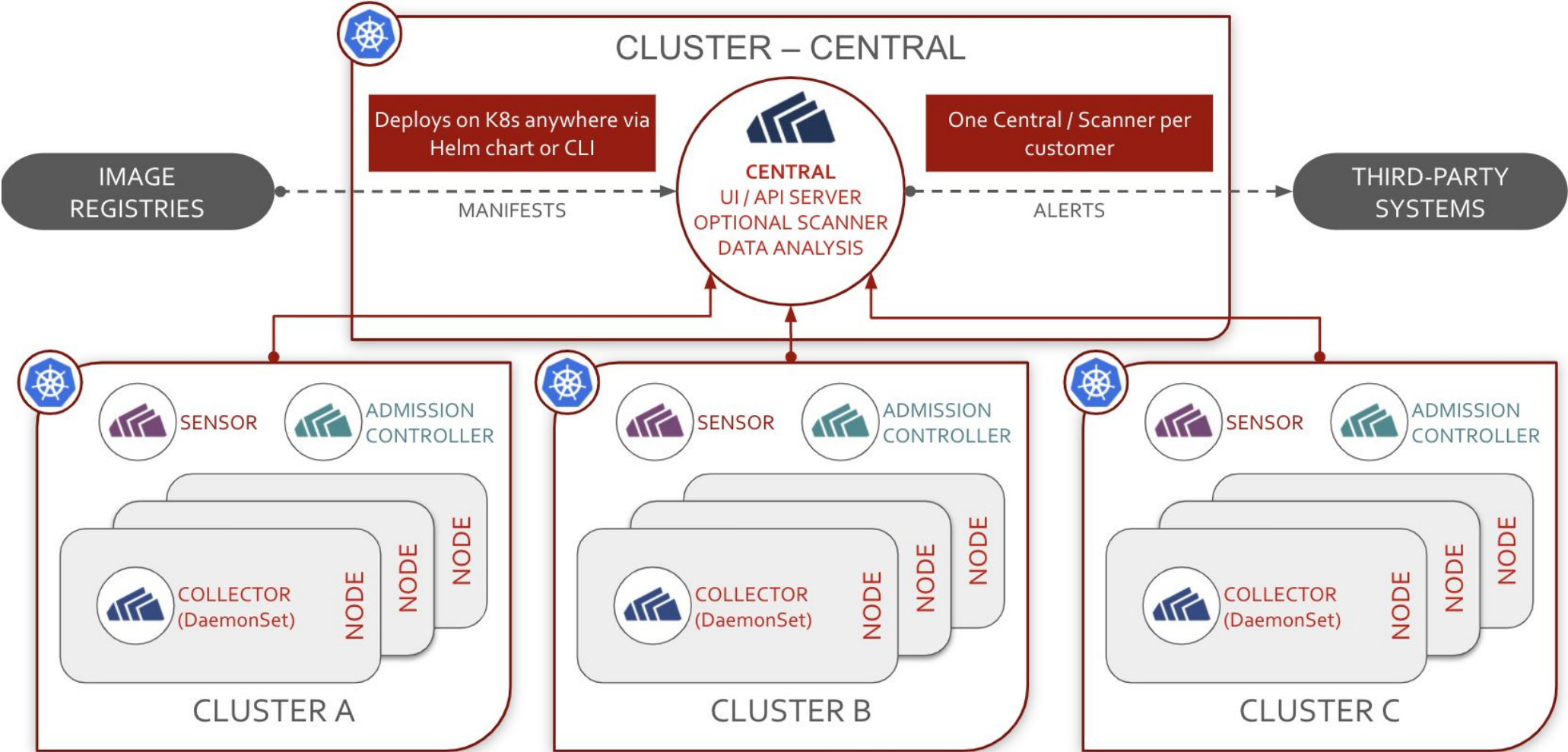
Results

- ▶ Common set of policies enforced across teams and the entire build-deploy-run lifecycle
- ▶ Able to maintain and demonstrate compliance with standards
- ▶ Improved app risk profiling for DevOps

Platform of choice for cloud-native innovators



Architecture



Thank you

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