

Microsoft Defender for Cloud

Defender for Containers

Demo in a multi-cloud environment lab

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Microsoft Defender for Containers

Protect multi-cloud and hybrid container deployments



Hardening

Continuously assess and improve the security posture of your containerized environments and workloads



Vulnerability management

Reduce your attack surface by continuously scanning workloads to identify and manage container vulnerabilities



Advanced threat detection

Identify runtime threats with prioritized, container-specific alerts – using powerful insights from Microsoft Threat Intelligence



Multi-cloud support

Single container security solution for Kubernetes clusters, across Azure, AWS, GCP and on-premise



Deployment and monitoring

Frictionless deployment provisioning at scale with easy onboarding and support for standard Kubernetes monitoring tools



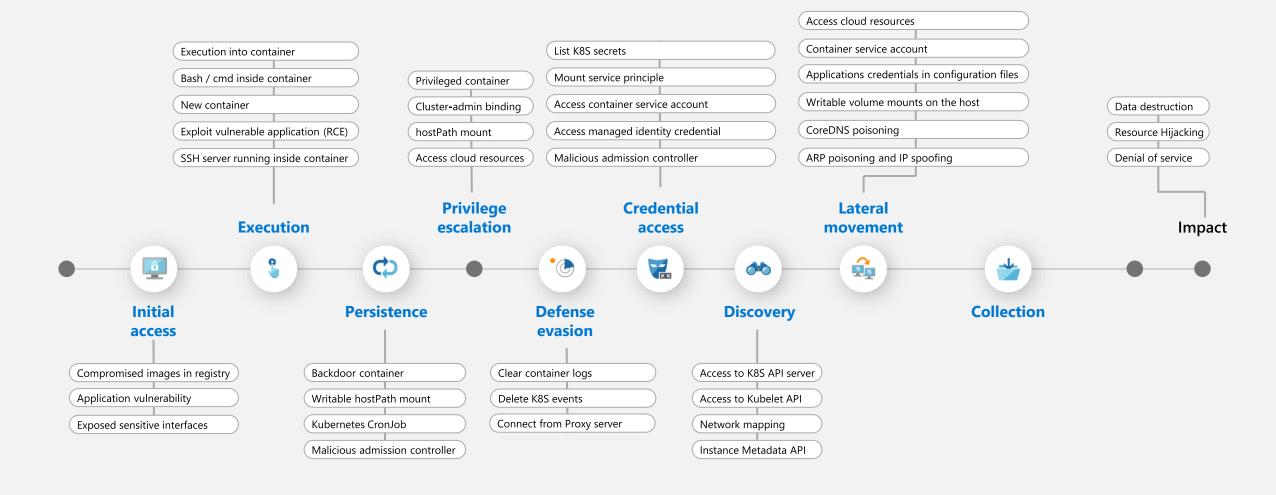








Threat detections aligned to the Kubernetes Attack Matrix



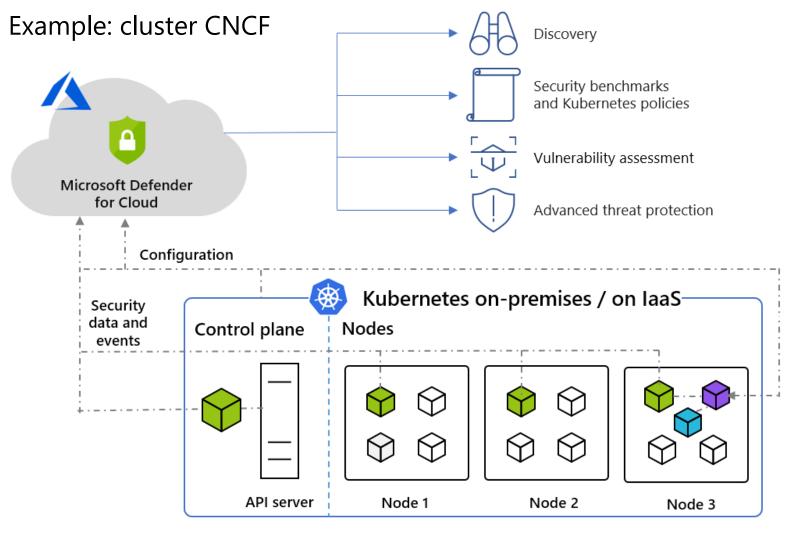
Solution components

Workloads for:

- The connection to Azure Arc (enabled K8s)
- Defender Extension (DeamonSet)
- Azure Policy Extension (w/ Gatekeeper)

In EKS and GKE there is a different mechanism for K8s audit collection.

In AKS there are no Arc component, the Azure Policy is connected through an addin and the audit log collection is native,.



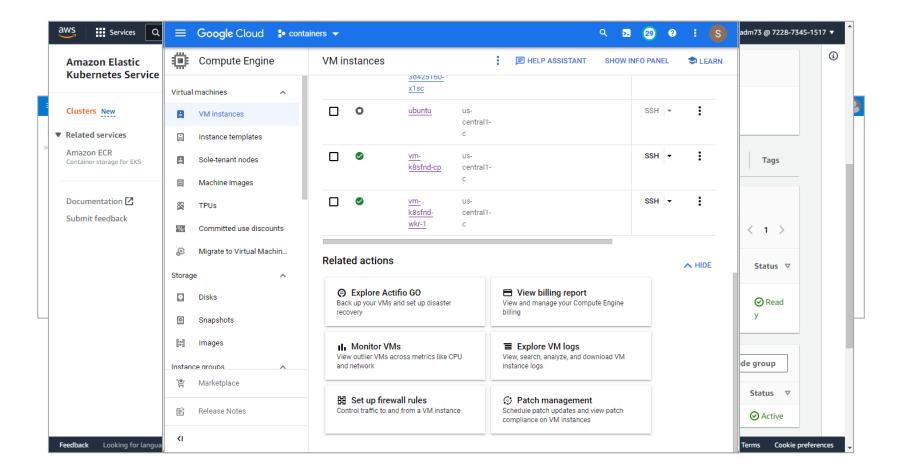


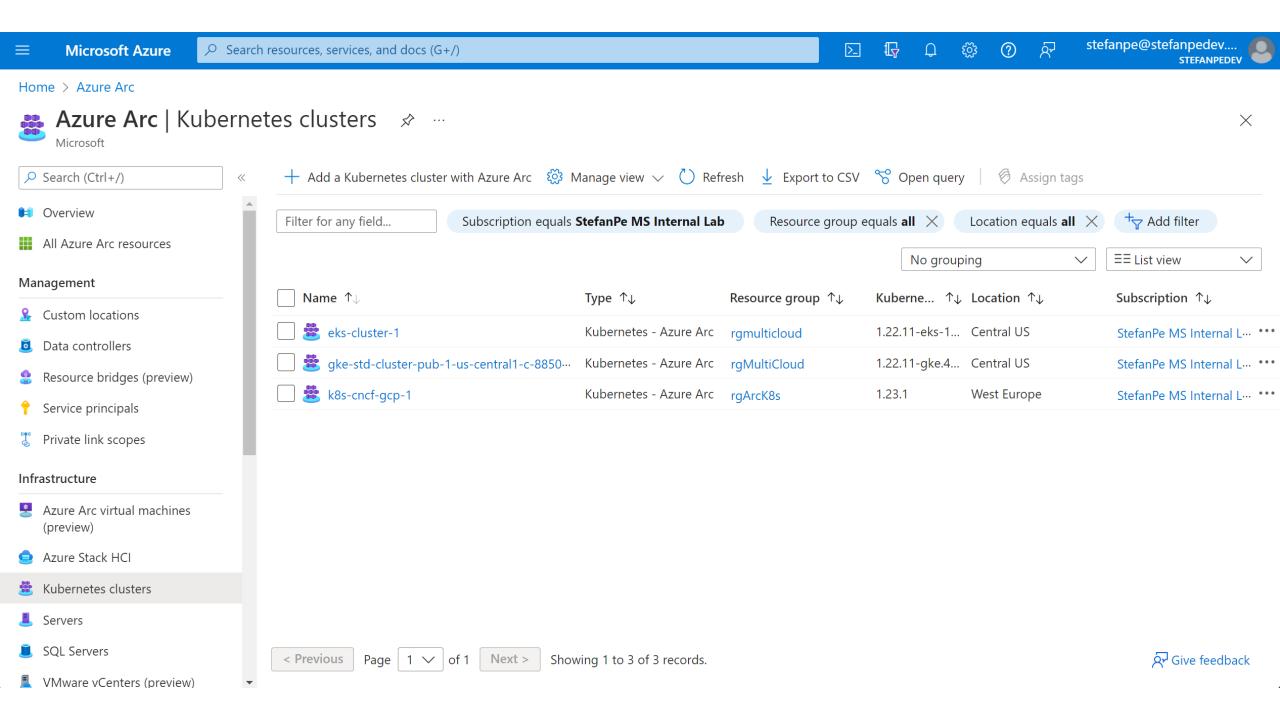








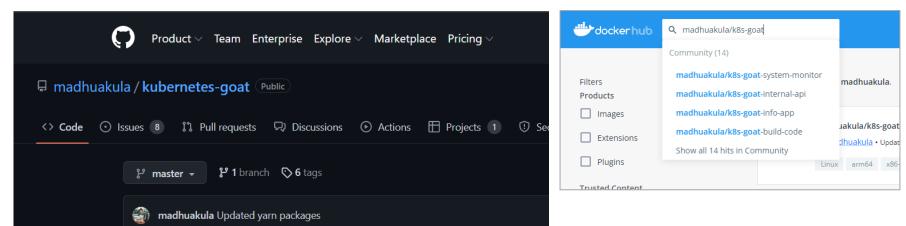




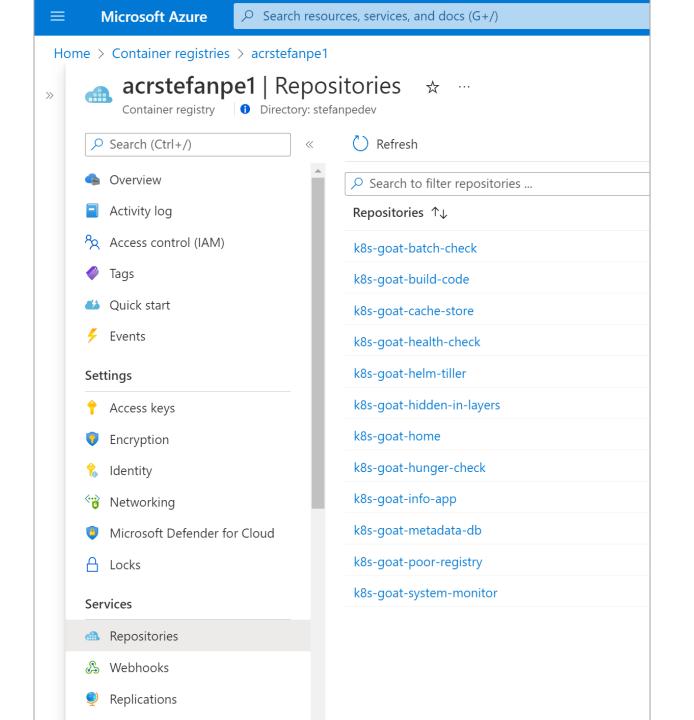
Resources and experiences used in my lab

- Kubernetes Goat | Kubernetes Goat (madhuakula.com) By Madhu Akula
- A look at how Defender for Containers protects your clusters (guillaumeben.xyz) By Guillaume Benats

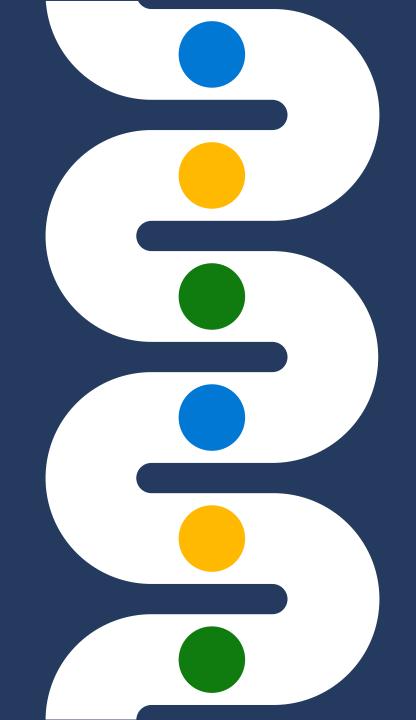




- https://madhuakula.com/kubernetes-goat/docs/
- https://github.com/madhuakula/kubernetes-goat
- https://hub.docker.com/search?q=madhuakula
- https://guillaumeben.xyz/defender-containers.html



Demo





Thank you