ASSESSING EKS SECURITY WITH KUBE-BENCH_

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TOPICS COVERED_

1. kube-bench

2. CIS Amazon EKS Benchmark

3. Demo

KUBE-BENCH_

kube-bench

- Open source **Go** application

- Checks whether Kubernetes is deployed according

  to **security best practices**

- Implements the **CIS Kubernetes Benchmarks**

CIS AMAZON EKS BENCHMARK_

KUBE-BENCH_

kube-bench

- Install it as **rpm/deb package within the worker node**

- Run it as **a job in the Kubernetes cluster**

- Assessment **report maps to CIS Benchmark**

- Can **run a subset of checks** and omit false positives

KUBE-BENCH DEMO_

CONCLUSIONS_

& TAKEAWAYS

- Run **kube-bench** to assess your Kubernetes cluster security

- Download and read the **CIS Kubernetes Benchmark**

FURTHER READING_

kube-bench

https://github.com/aquasecurity/kube-bench

CIS Benchmarks

https://www.cisecurity.org/cis-benchmarks

Integrate kube-bench with AWS Security Hub

https://aws.amazon.com/about-aws/whats-new/2020/12/aws-security-hub-adds-open-source-tool-integration-with-kube-bench-and-cloud-custodian/

Amazon EKS Best Practices Guide for Security

https://aws.github.io/aws-eks-best-practices

THANK YOU
ANY QUESTION?

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