



DevSecOps on Microsoft Azure

Security and Compliance



@mrcoups

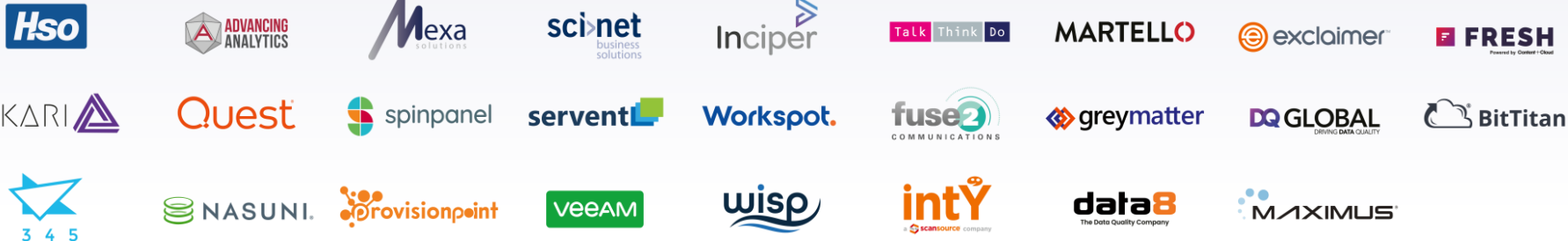
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Core Concepts

Shift Left

- ▶ Building and operating secure applications is an effort that requires the involvement of everyone, from development to operations and support.

Build Confidence

Almost all new applications being built leverage code written by third parties, including open-source components, in at least some forms.

Deliver on a Secure Platform

Run your code on managed application platforms, including Kubernetes, and leverage trusted services to manage your keys, tokens and secrets securely.

DevSecOps

Security
Engineering

Security
Operations

Compliance
Operations

Security Science

Experiment,
Automate, Test

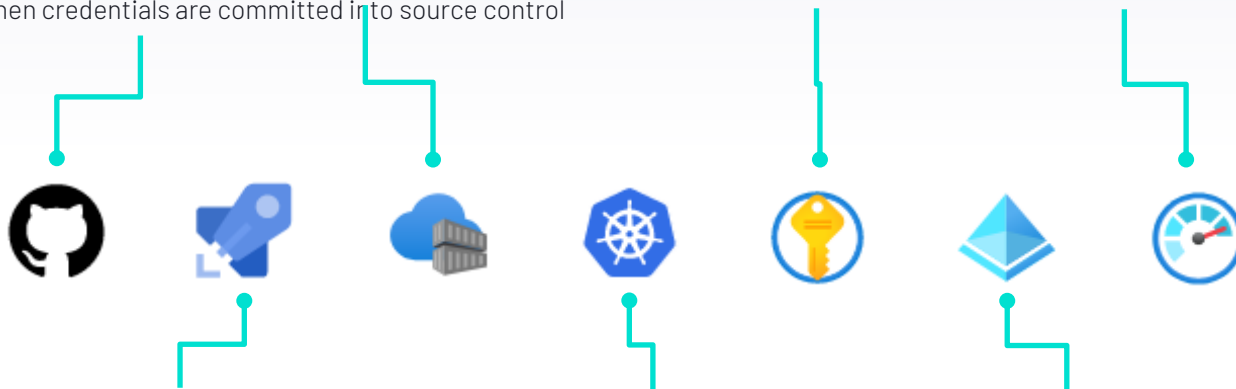
Hunt, Detect,
Contain

Respond,
Manage, Train

Learn, Measure,
Forecast

Secure your code Container image scanning Manage secrets in Azure Key Vault Collect and monitor telemetry

With GitHub Advanced Security (CodeQL) Detecting and identifying vulnerabilities in source code and code dependencies in real time, and remediate issues on your dependencies using automated vulnerability fixes safer than manually approving code quality gates and release rollback based on monitoring well as secret scanning when credentials are committed into source control



Continuous integration and delivery Run securely on Azure Kubernetes Service Govern authentication

Azure Pipelines gives us the ability to Deploy and test ready-to-run your pipelines Azure AD to infrastructure with code directory, using advanced features images with full traceability. Tracking backlogs, integration of Azure Policy to ensure multi-factor authentication and activity reporting artifacts of every image

Does it work?



Teams focusing on testing, detection and measuring progress have **30% fewer** defects in production



MTTR is **5x faster** than other teams



Average of **98% CI/CD** success

Thank You!

Please scan the QR Code to provide any feedback.

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