

DevOpSec

Rapid Security in the AWS Cloud

Mikhail Advani
Rajesh Tamhane

Who are we?

Mikhail Advani - Devops Engineer at ThoughtWorks

Twitter - @mikhail_advani

Website - <https://mikhailadvani.github.io>

Rajesh Tamhane - Security Analyst at ThoughtWorks

Twitter - @rajesh_tamhane

Website - https://about.me/rajesh_tamhane

DevOpSec

A set of practices that build in security across development and operations

An agile way to meet risk and compliance objectives

DevOpSec practices have demonstrable measurable business value

DevOpSec Principles

Everyone is responsible for security

Security decisions are distributed to those who have the highest context

Security decisions are made at the time they are most relevant

What have we done?

Identified security considerations that should be tested

Perform security tests as part of CI

Features looked at

Identity and Access Management

Monitoring

Logging

Networking

Novice users

Source of recommendations

CIS AWS Foundations

AWS' Best Practices

Personal experience

Code Walkthrough

IaC & CI setup for continuous testing

Triggers

Validate change to infrastructure code

Periodic to ensure compliance to time sensitive policies, e.g.
password change frequency

Thanks

Github Link: <https://github.com/mikhailadvani/aws-security-test>