

How to get DevSecOps right, the Ansible way

Massimo Ferrari

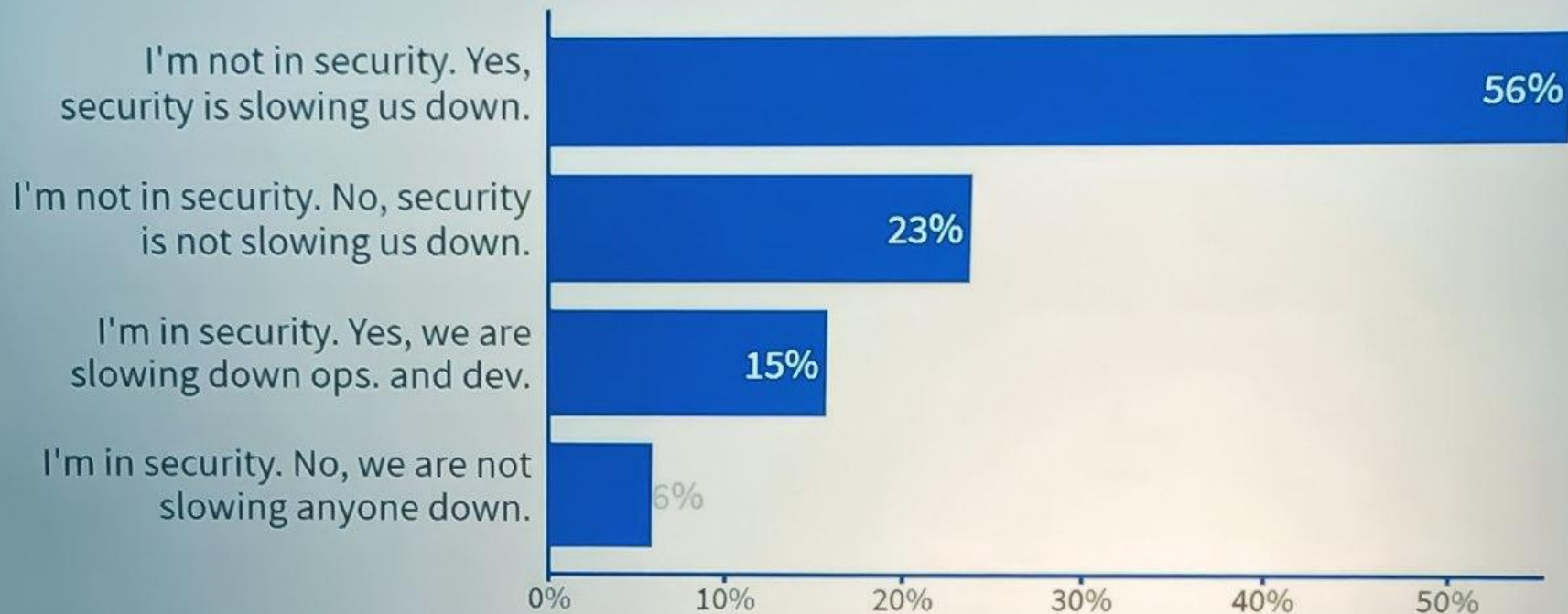
Consulting Product Manager,

Ansible Automation Platform

@crosslogic

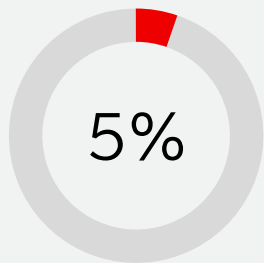
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Do you believe information security is slowing down agile operations and agile development?

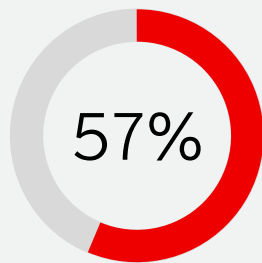


The State of Cybersecurity

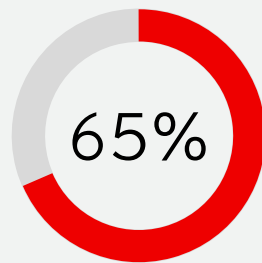
Threats are evolving faster than ever and becoming increasingly sophisticated



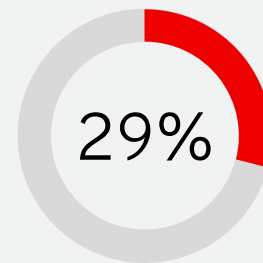
Portion of alerts coming in that the average security team examines every day



Said the time to resolve an incident has grown



Reported increased Severity of attacks



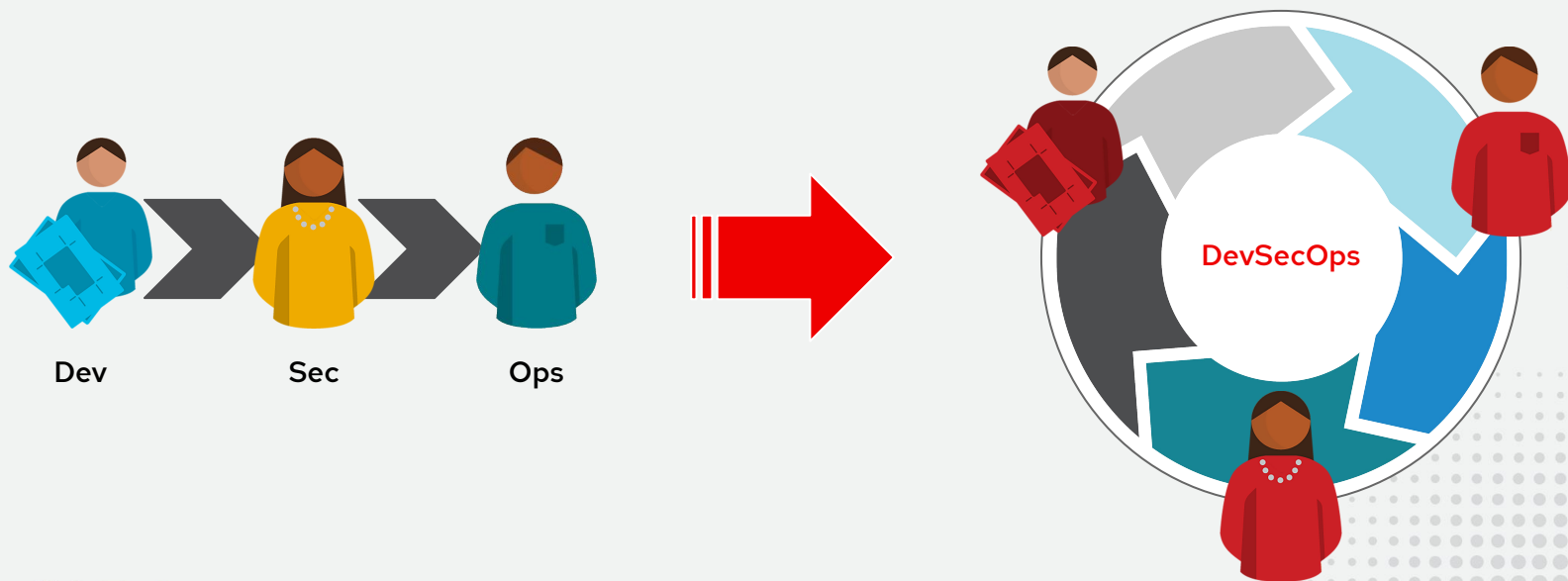
Have their ideal security-skilled staffing level, making it the #2 barrier to Cyber resilience

“““

DevOps teams must embrace security to form a development, security, and operations (DevSecOps) team, adding automated testing throughout the build/test/release/run life cycle.

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Ok but what exactly is DevSecOps?



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DevSecOps is not only relevant to organizations creating their own applications, but also important to organizations acquiring software.

[...] Production implementation also often requires creation of connecting software or custom code to make applications function as expected or required.

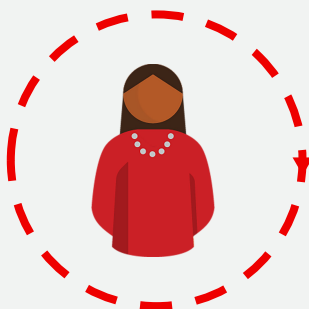
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Start with your Automation Strategy

Your automation strategy is the foundation for a successful DevSecOps program



Dev



Sec



Ops

DevSecOps Technology: Remove Friction

“““

[...] integrating the disparate security and nonsecurity tooling is a significant hurdle.

Growing adoption of cloud and container delivery often increases complexity and can create potential security gaps.

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DevSecOps Automation Pillars

Your automation strategy is the foundation for a successful DevSecOps program



DevSecOps Automation Pillars



Applications

Application development pipeline

Write App
Code

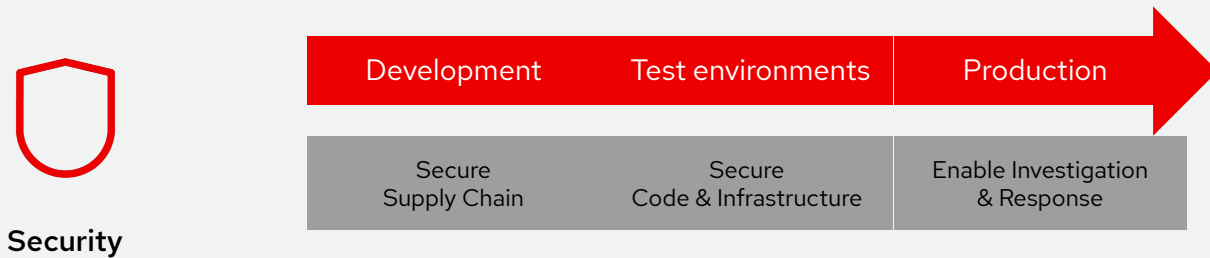
Build App

Unit Test

Package
App

Deploy
App

DevSecOps Automation Pillars



DevSecOps Automation Pillars



Infrastructure

Deployment infrastructure pipeline

Write Infra
Code

Build
Images

Validate
Infra

Automate
Infra

Deploy
Infra



Red Hat Ansible Automation Platform



Applications



Security



Infrastructure

Application development pipeline

Write App
Code

Build App

Unit Test

Package
App

Deploy
App

Development

Test environments

Production

Secure
Supply Chain

Secure
Code & Infrastructure

Enable Investigation
& Response

Deployment infrastructure pipeline

Write Infra
Code

Build
Images

Validate
Infra

Automate
Infra

Deploy
Infra

Consistent Operations & Access

DevSecOps Culture: Team with Security

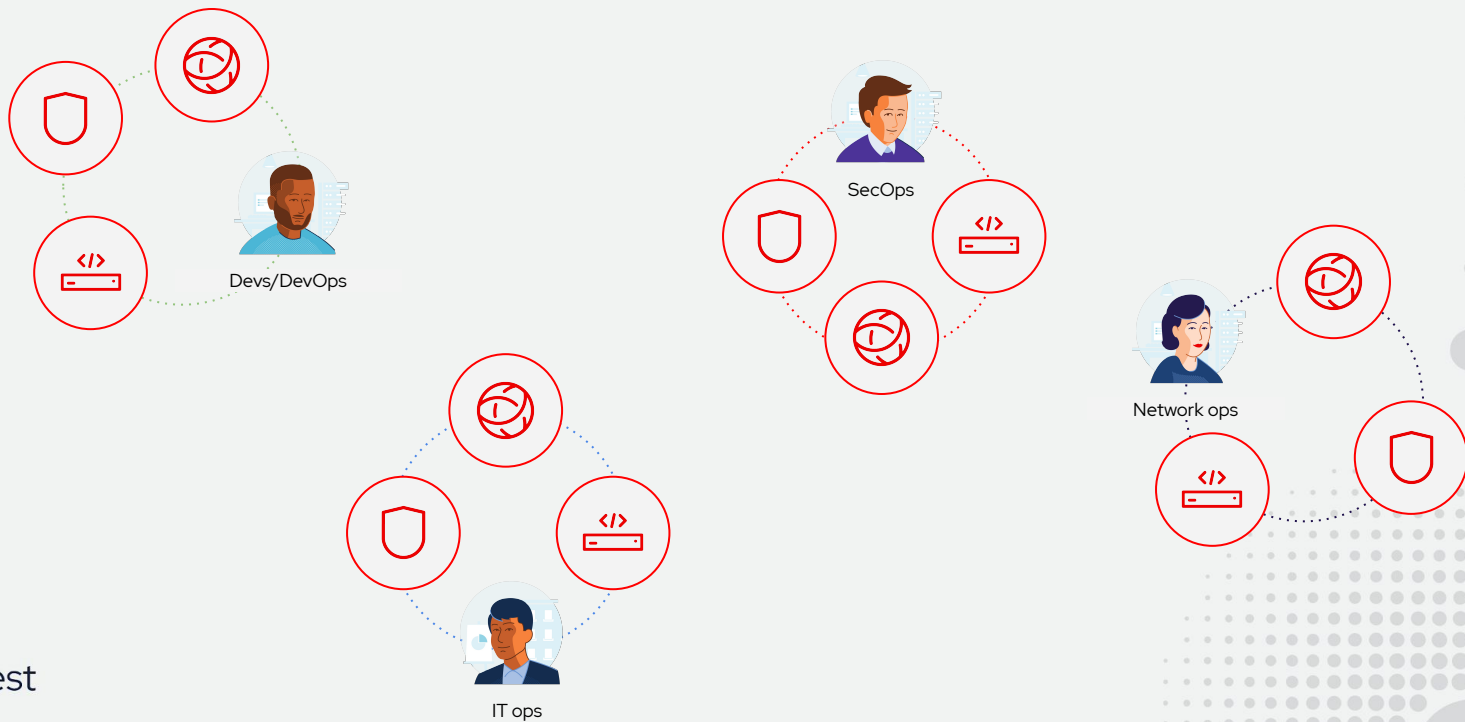
“““

As much as you can standardize or streamline DevOps practices and tooling (from early design phase through to later operations phase), you will improve the likelihood of success with secure DevSecOps.

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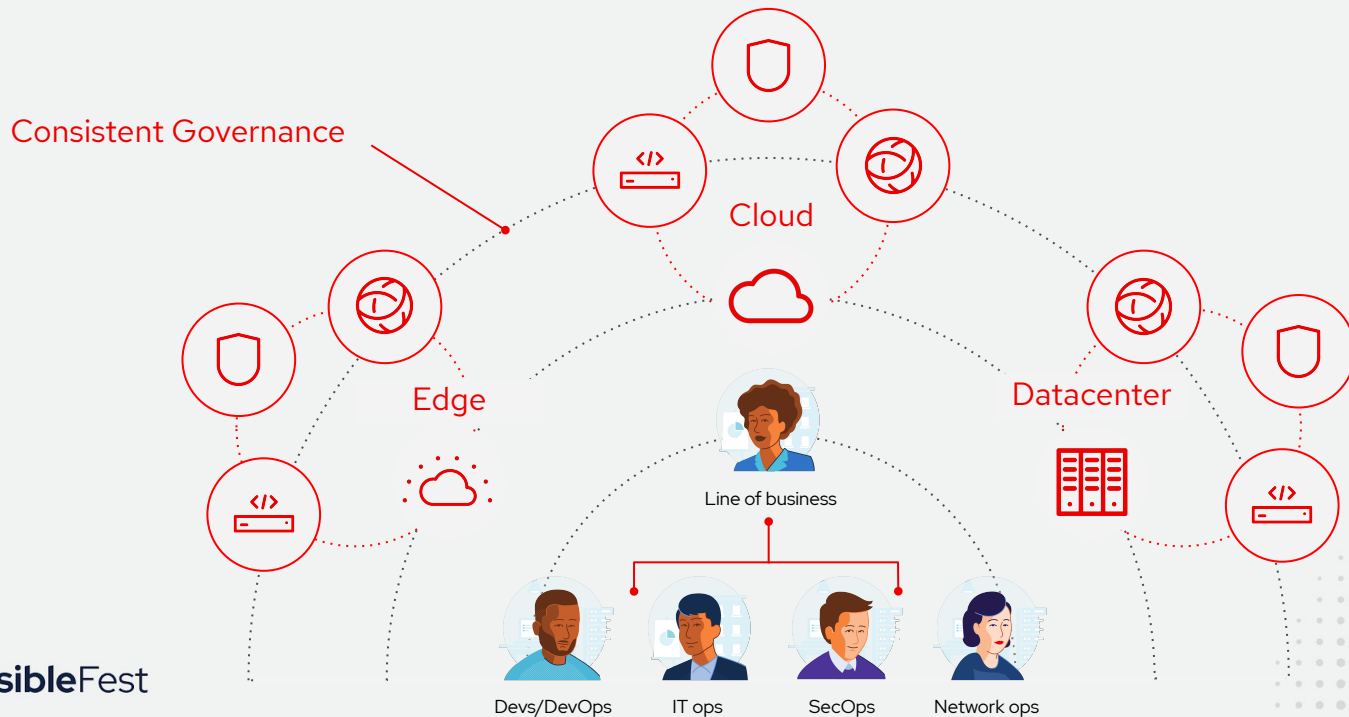
Many organizations have a problem

Too many unintegrated, domain-specific tools



Break down silos

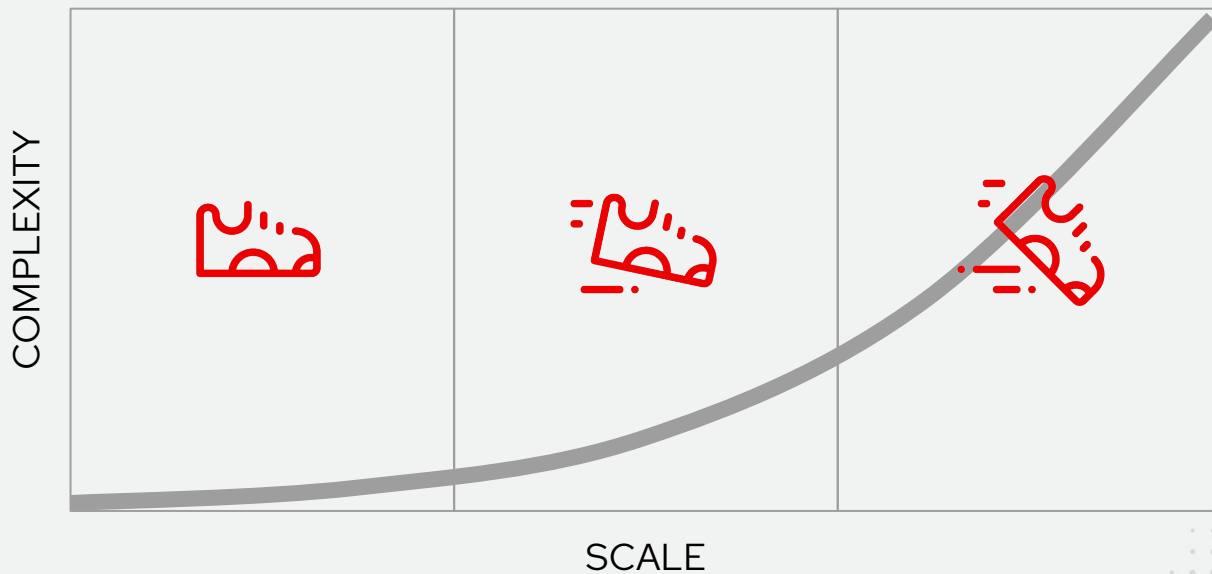
Different teams a single platform



DevSecOps is a Journey

Start simple and small

Improve iteratively



Over 50 Certified Platforms

Ansible Automation Hub



INFRASTRUCTURE



CLOUD



NETWORK



SECURITY



ARISTA



Thank you

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