



# So Happy Together

Making the Promise of DevSecOps a Reality

# Hacker/Researcher/Advocate

# BISO*

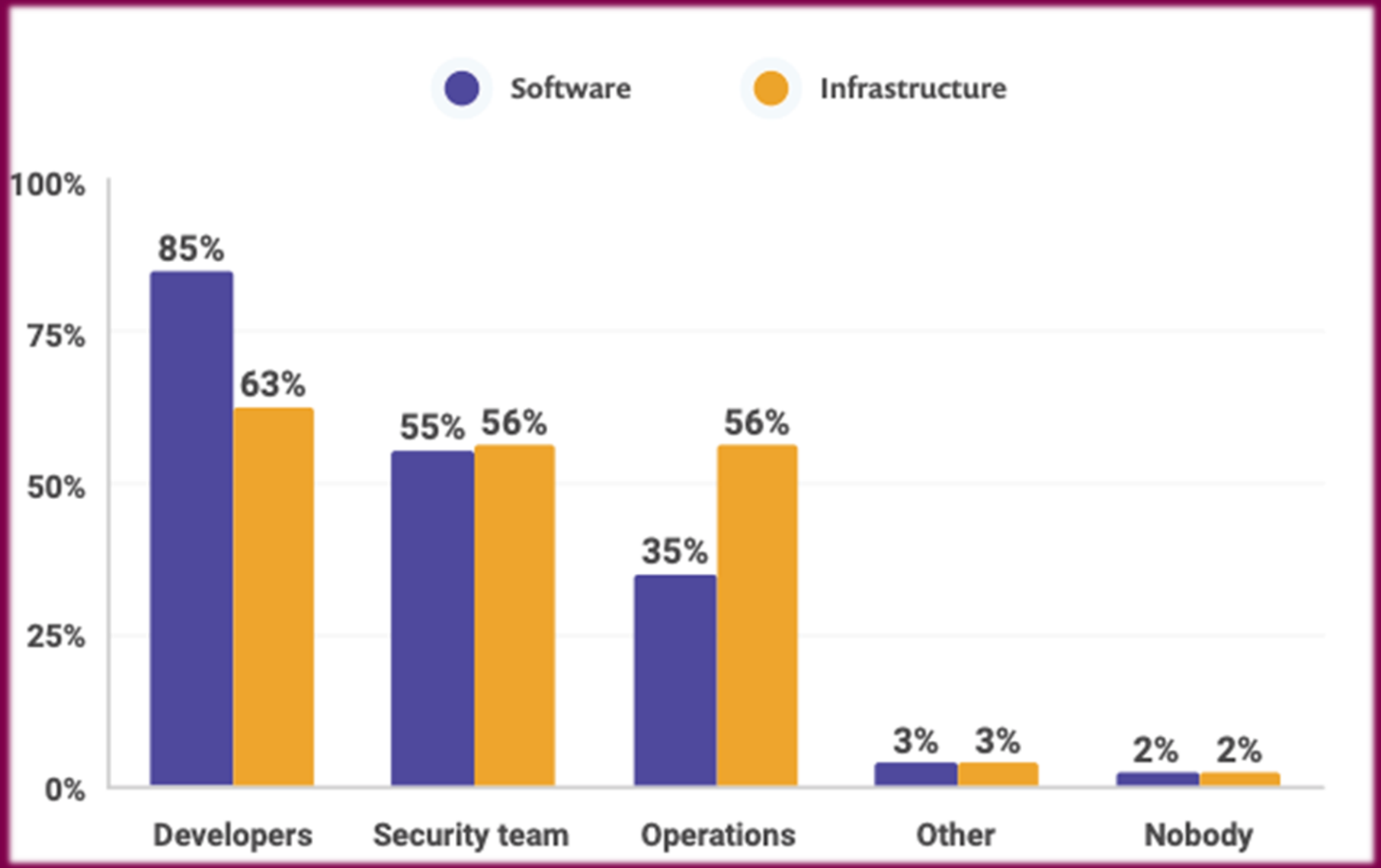
S&P Global Ratings

# 10 Years Dev/16 Years Sec

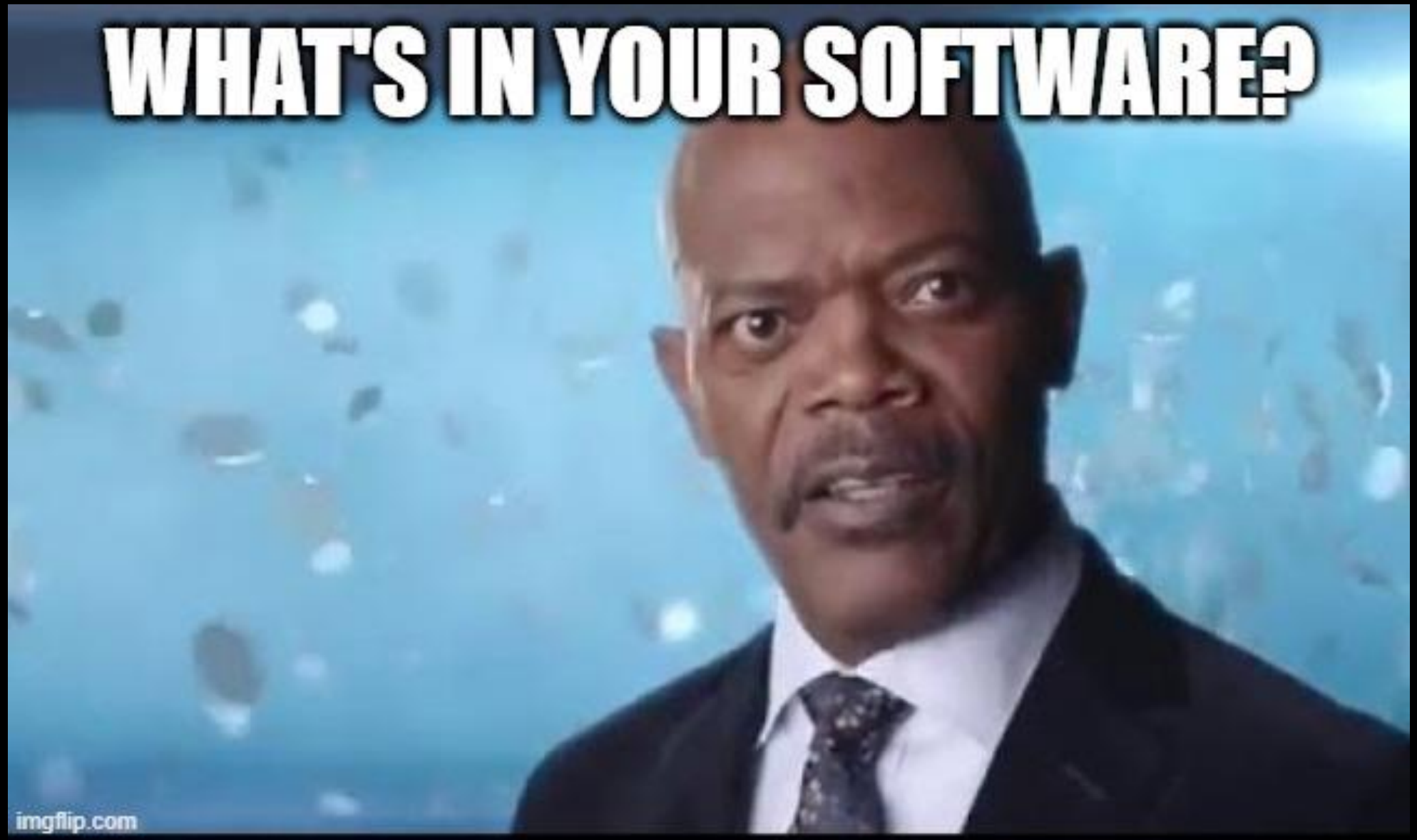
# Author/Blogger/Podcaster

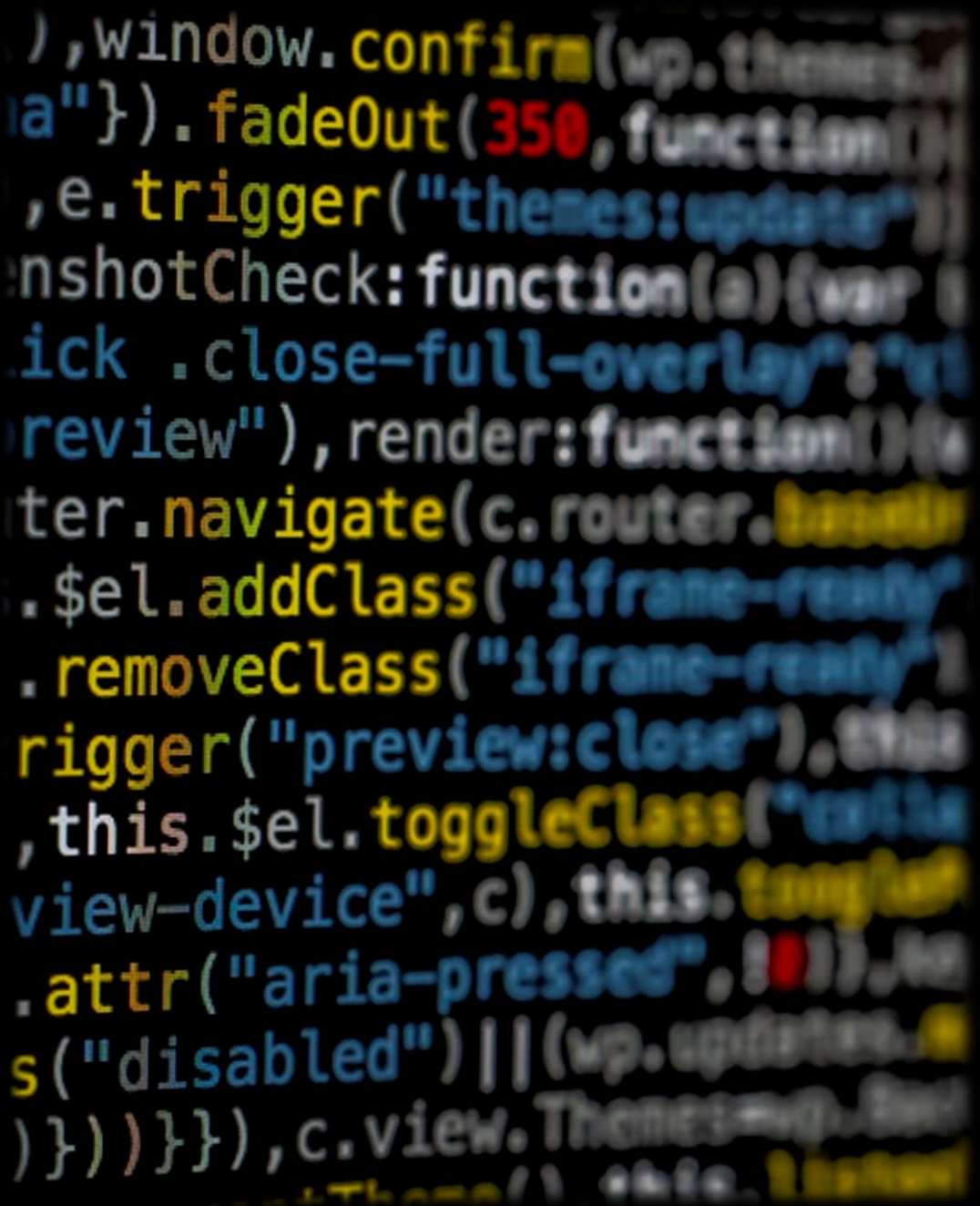
*What is a BISO?
https://alyssasec.com/2020/12/what-is-a-business-information-security-officer

# Who is responsible for security?




SOURCE: Snyk State of Open Source Security 2020 - https://snyk.io/open-source-security/


WHAT'S IN YOUR SOFTWARE?
imgflip.com




```xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xm
  xsi:schemaLocation="http://maven.apache.org/POM/4.0
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.yourorganization</groupId>
  <artifactId>my-application1</artifactId>
  <packaging>jar</packaging>
  <version>1.0-SNAPSHOT</version>
  <name>my-application1</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
```

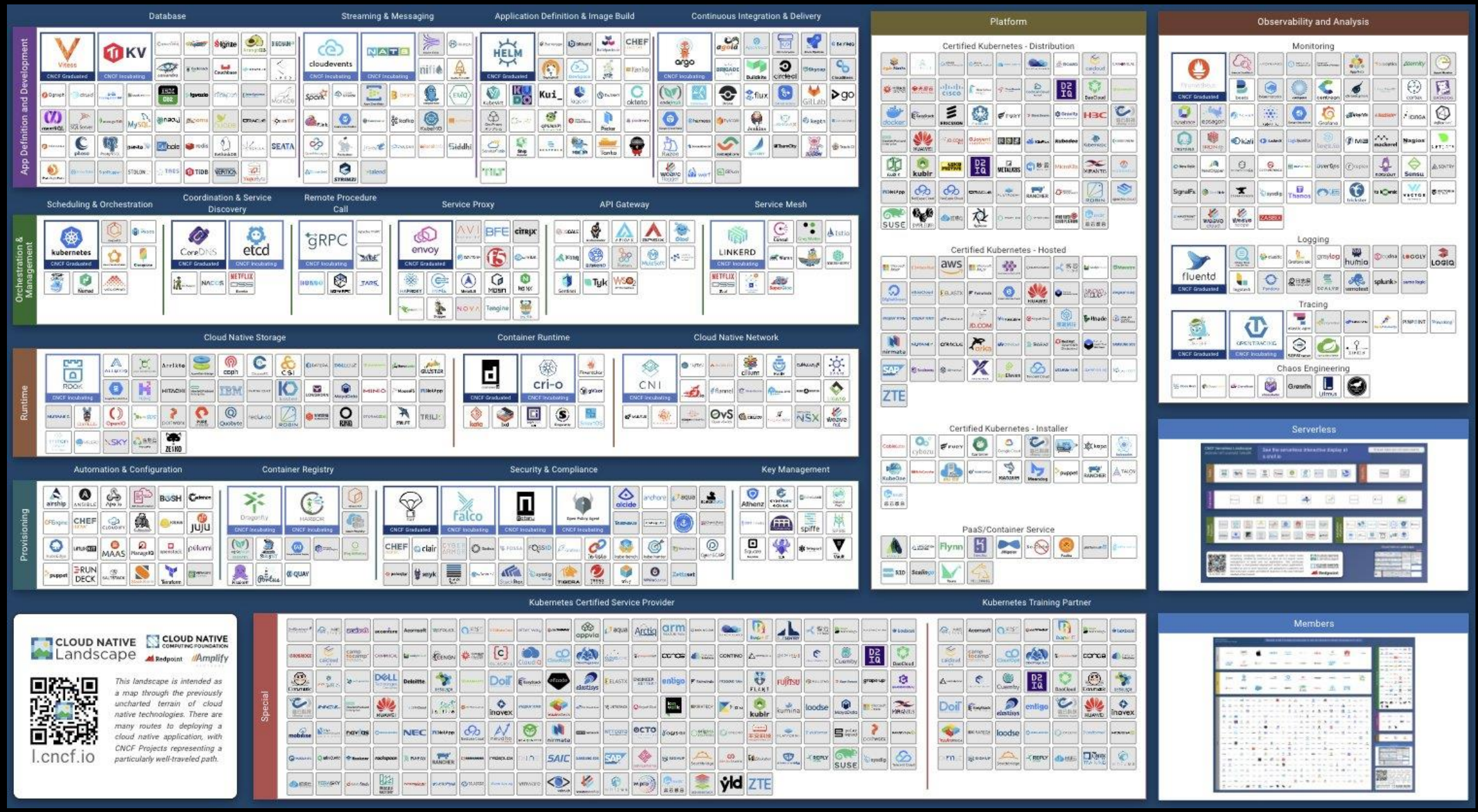
**280** Original Lines of Code

**8** Dependencies (89 Sub-Dependencies)

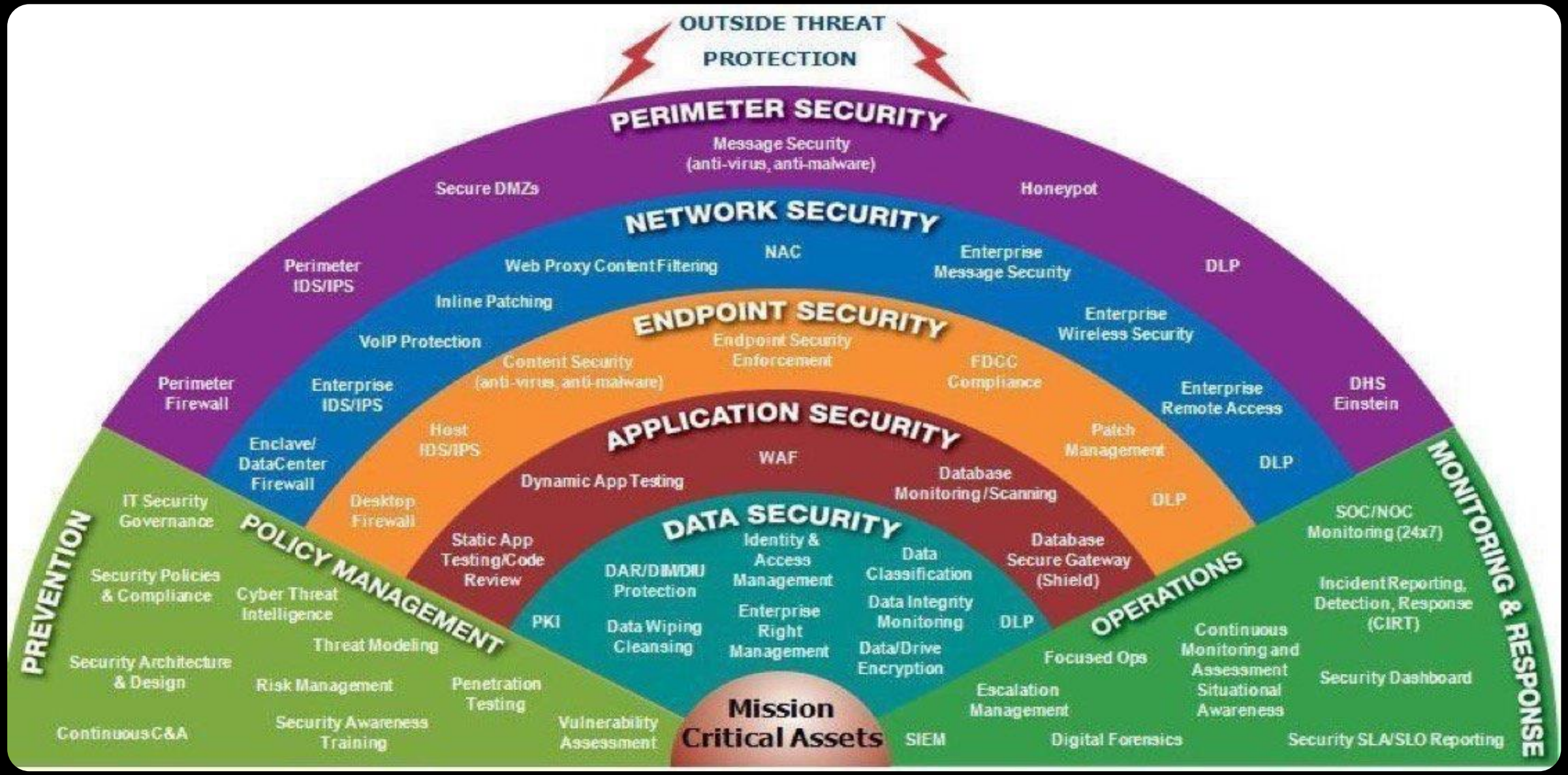
**2.4M** Total Lines of Code

# What about those ops teams?

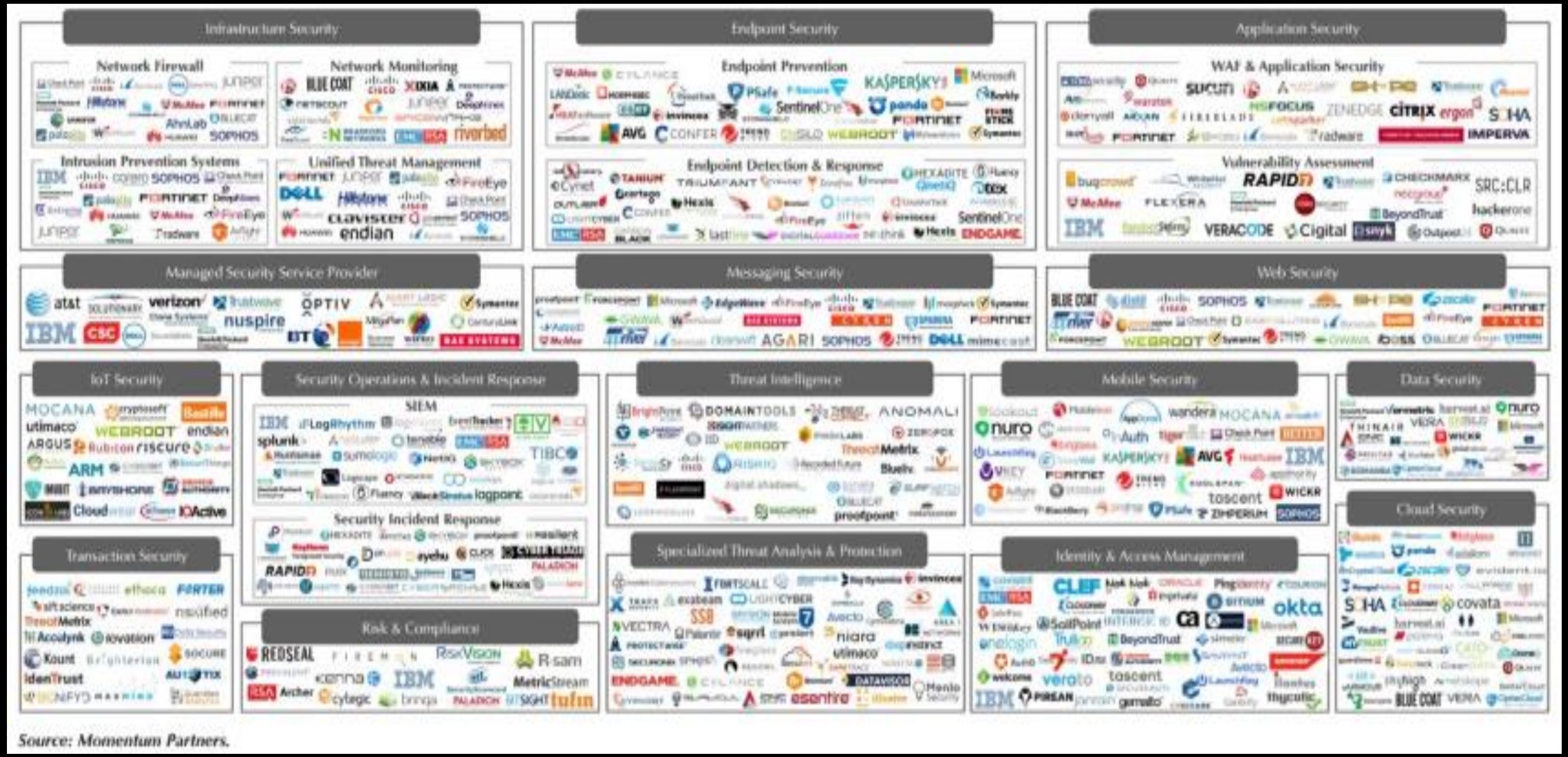
# Cloud Native??



# Security to the Rescue?

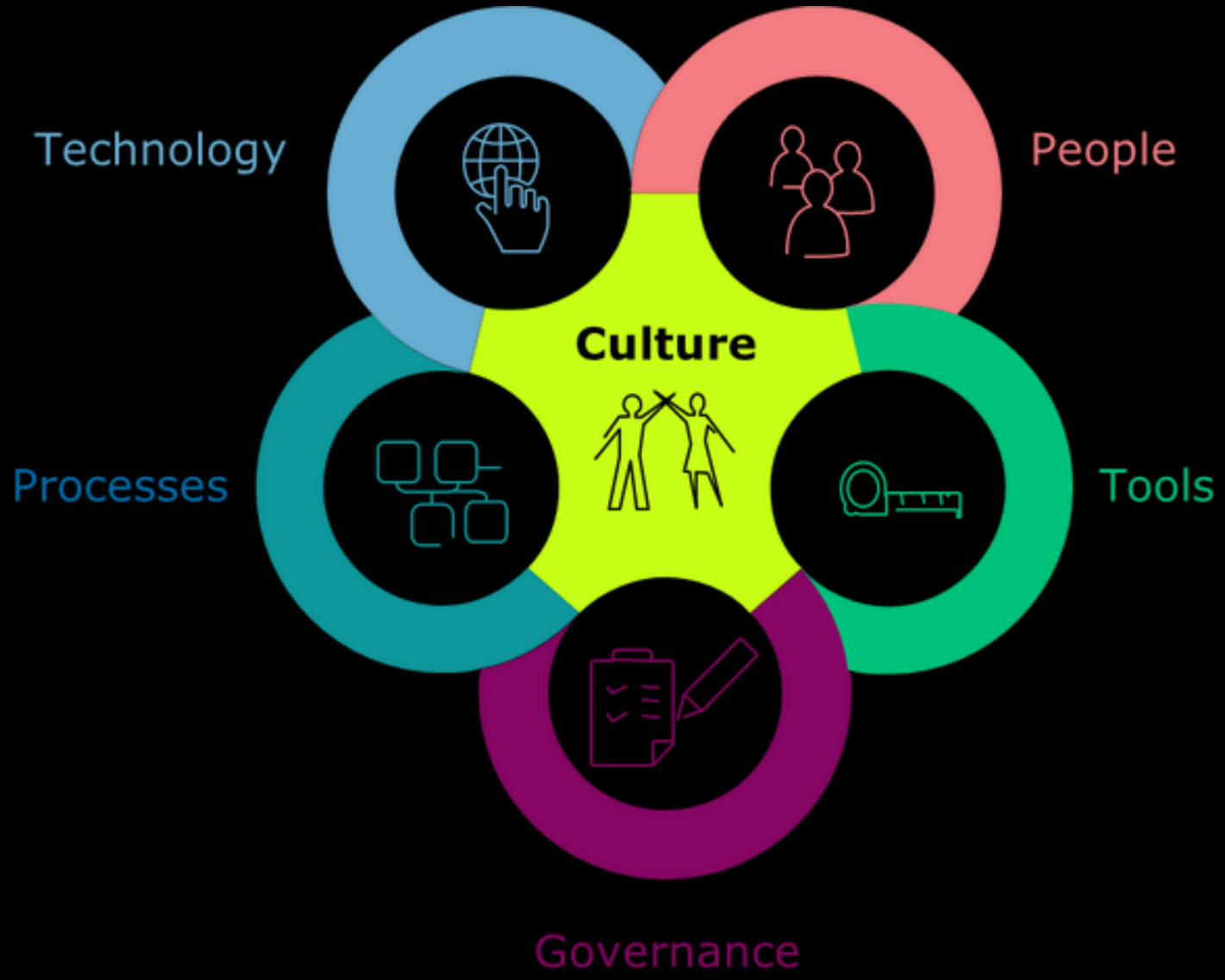


# We'll secure you!

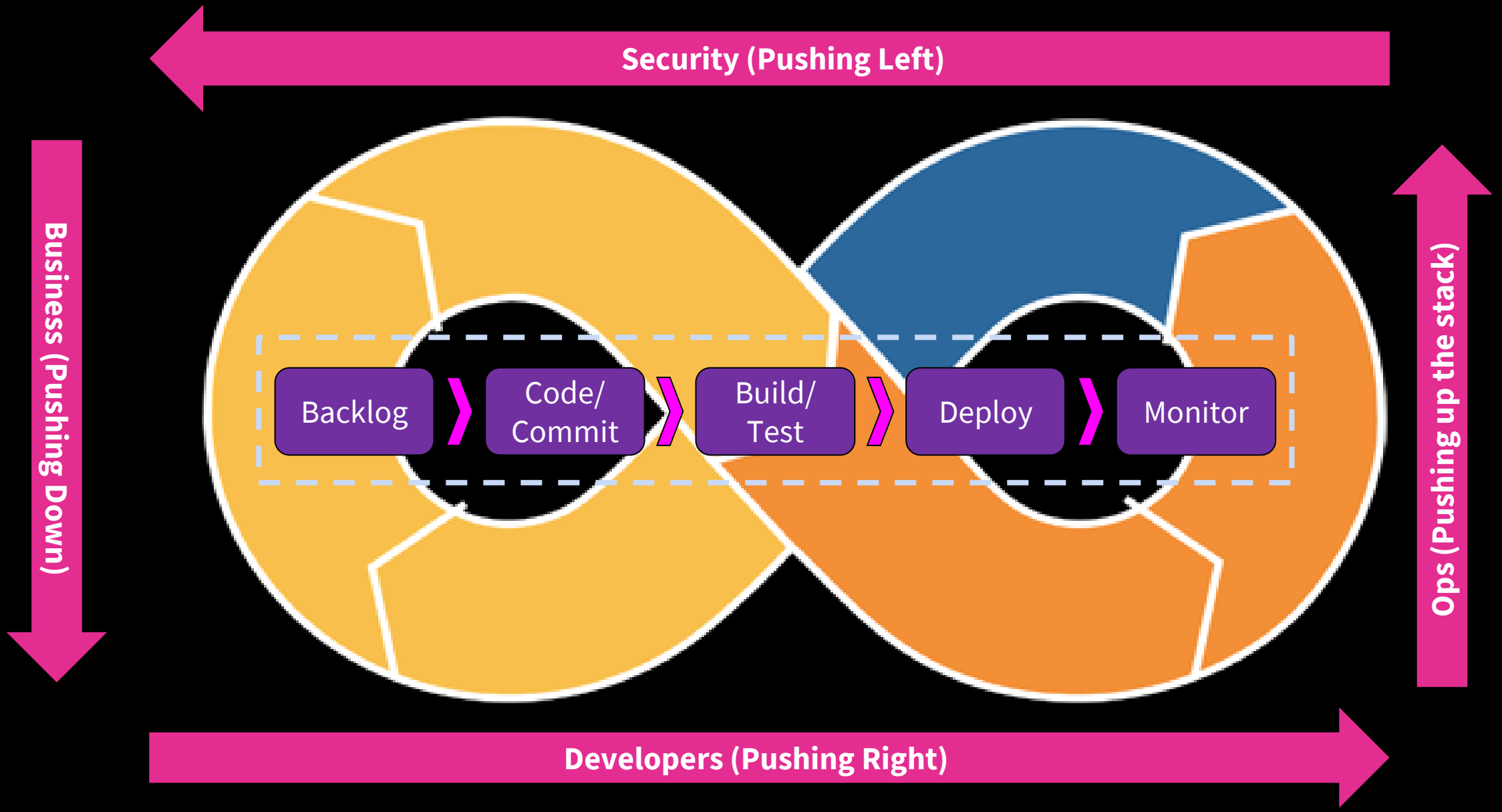



*Source: Momentum Partners.*

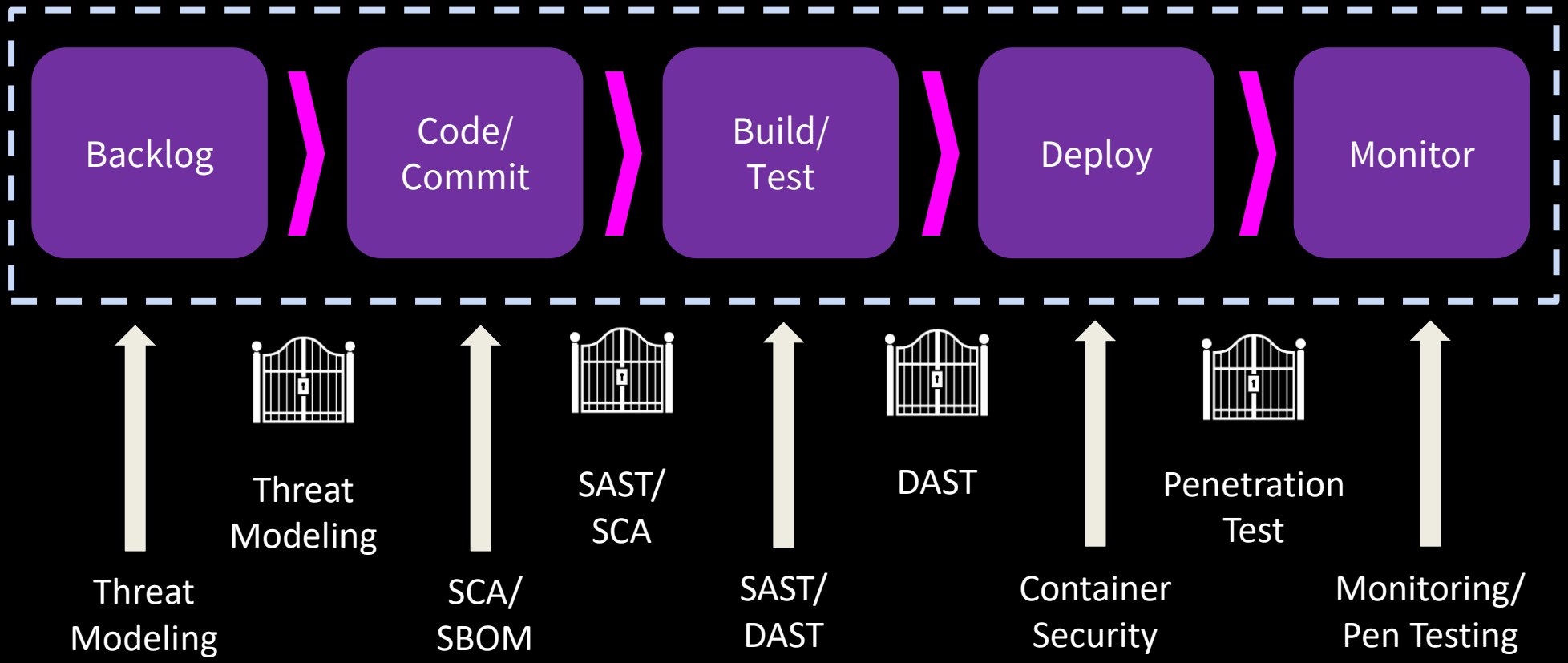
# Welcome to DevSecOps



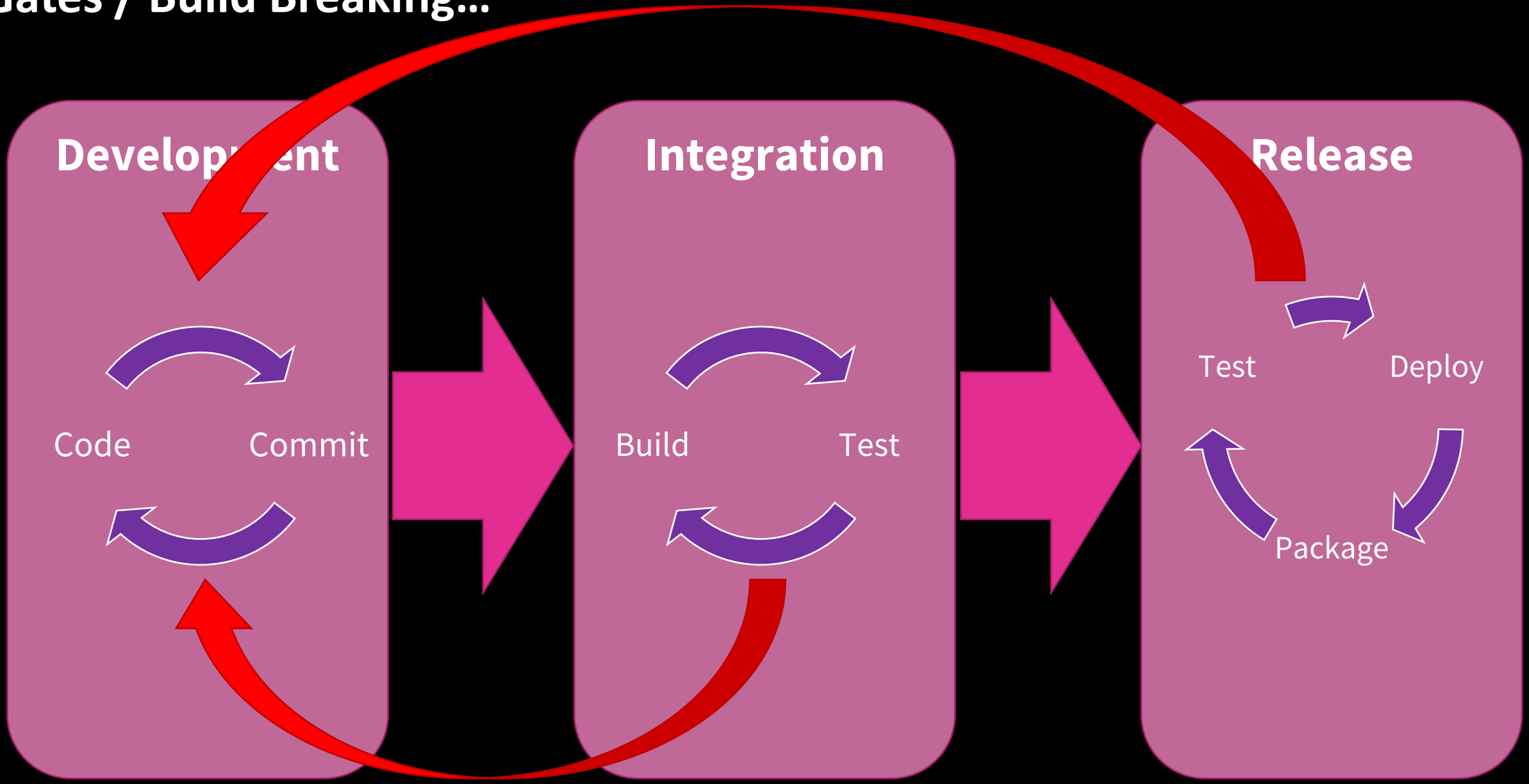
# The motion of today's DevSecOps Pipeline…



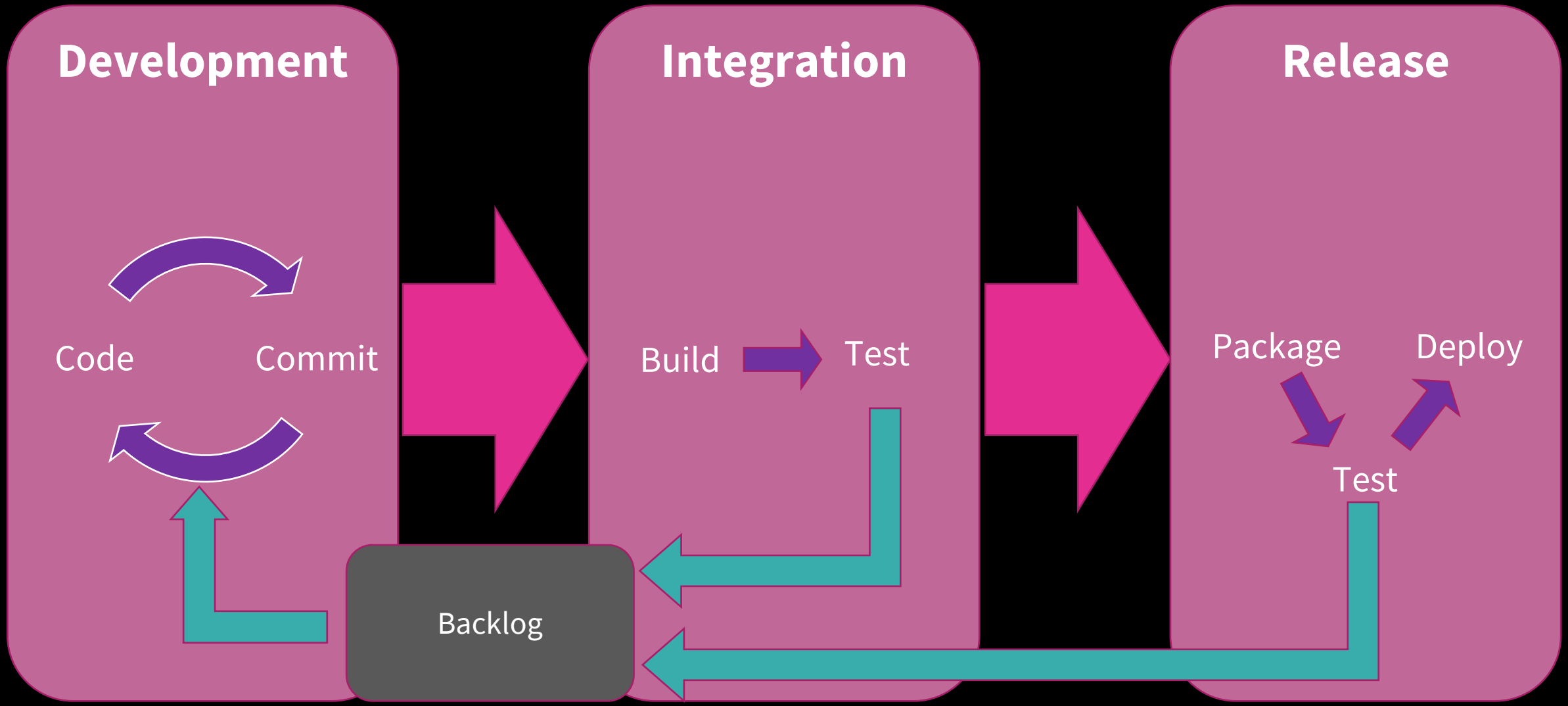
# Frictionless enablement...

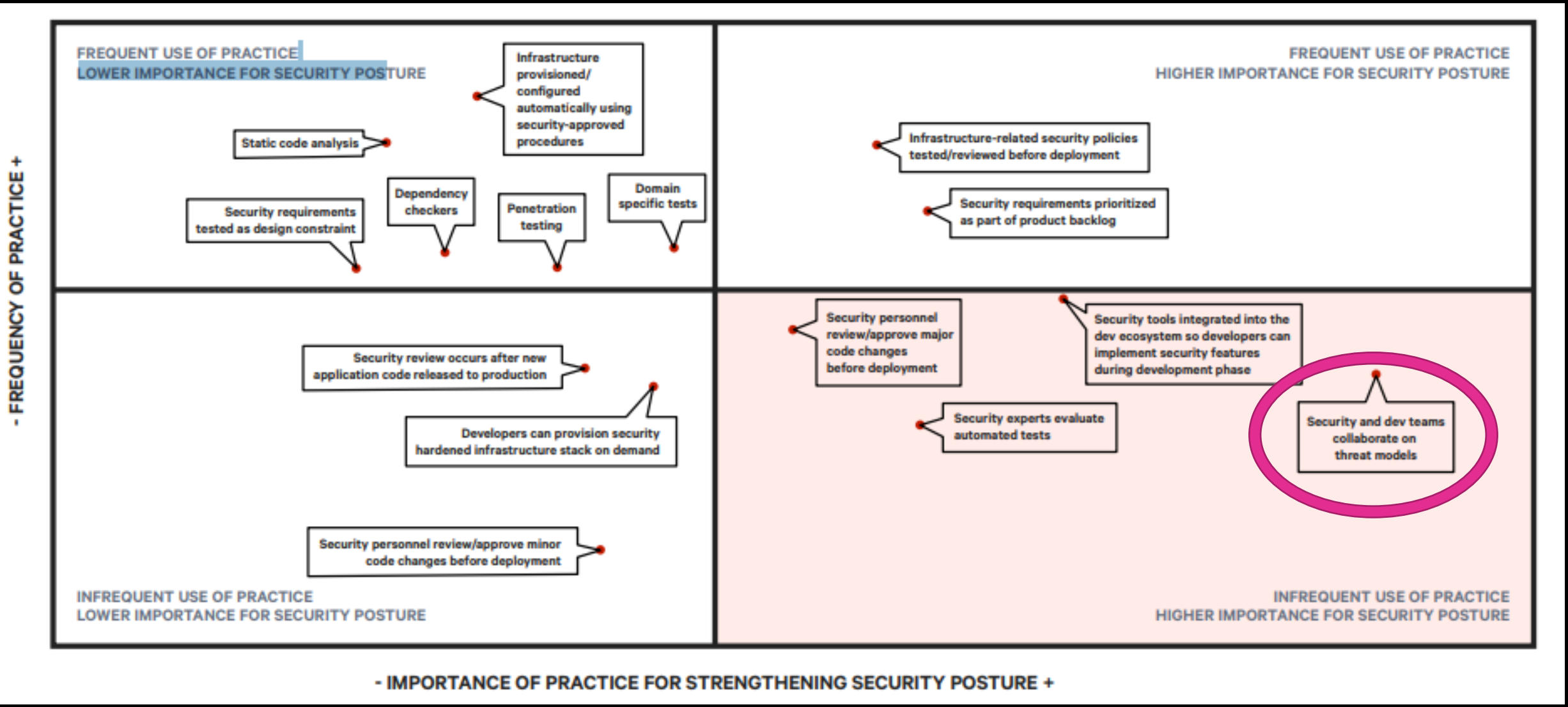


# Gates / Build Breaking…



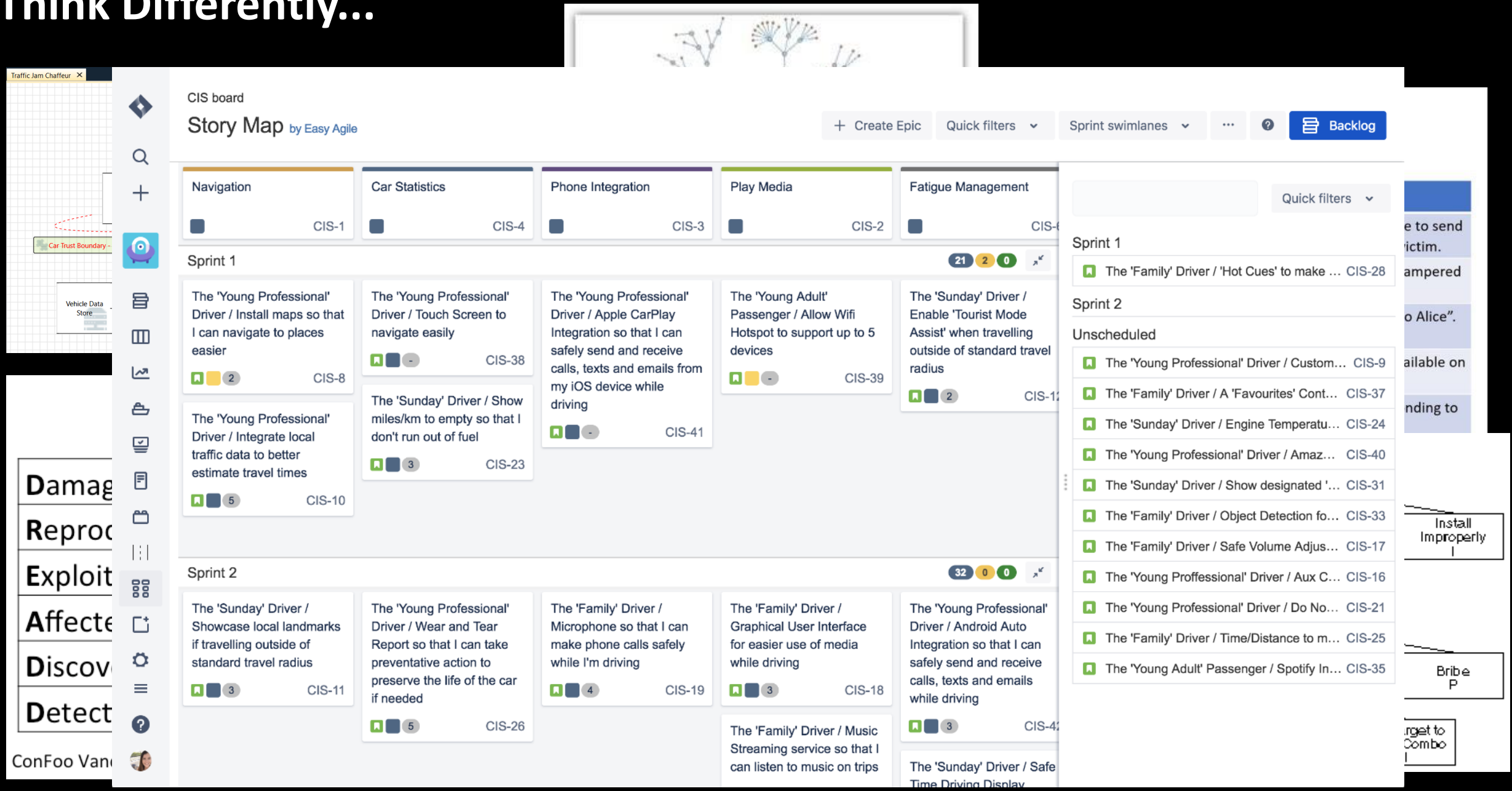
# Getting to a True CI/CD…






Source: https://puppet.com/resources/report/state-of-devops-report/
Puppet/Circle-CI 2019 State of DevOps Report

# Think Differently...



# Threat Information

## Plan

Security Requirements

## Build

Security Controls

## Test

Test Cases

## Deploy

Monitoring

# Build the empathy and culture…

## Walk-a-Mile In Their Shoes

Job shadow / Dev, Sec, and Ops / Build empathy

## Meet Them Where They Live

Provide Resources and Tooling in the Pipeline


## Pave the Road

Tool Selection / Accountable Trust

## Mutual Engagement

Connect Daily Activities Across Disciplines

“Coming together is the beginning.
Keeping together is progress.
Working together is success.”

— Henry Ford

@AlyssaM_Infosec

/in/alyssam-infosec

https://alyssasec.com

# Thank You


Alyssa
MILLER