So Happy Together Making Life better with a Real DevSecOps Culture





Hacker/Researcher/Advocate

BISO*



10 Years Dev/16 Years Sec

Author/Blogger/Podcaster

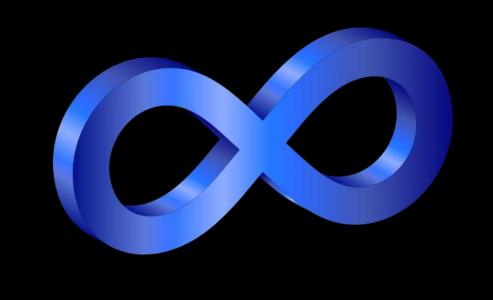
*What is a BISO?

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



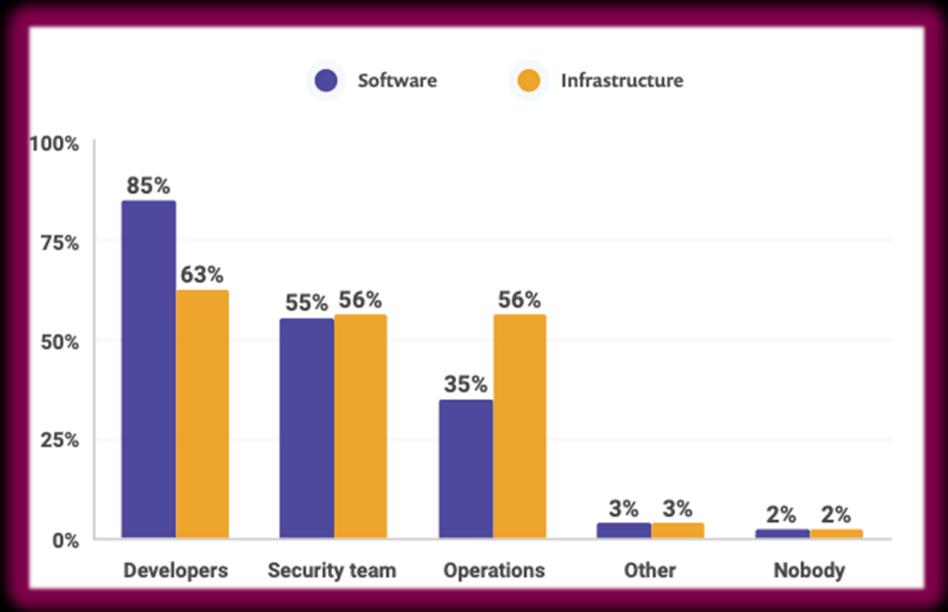




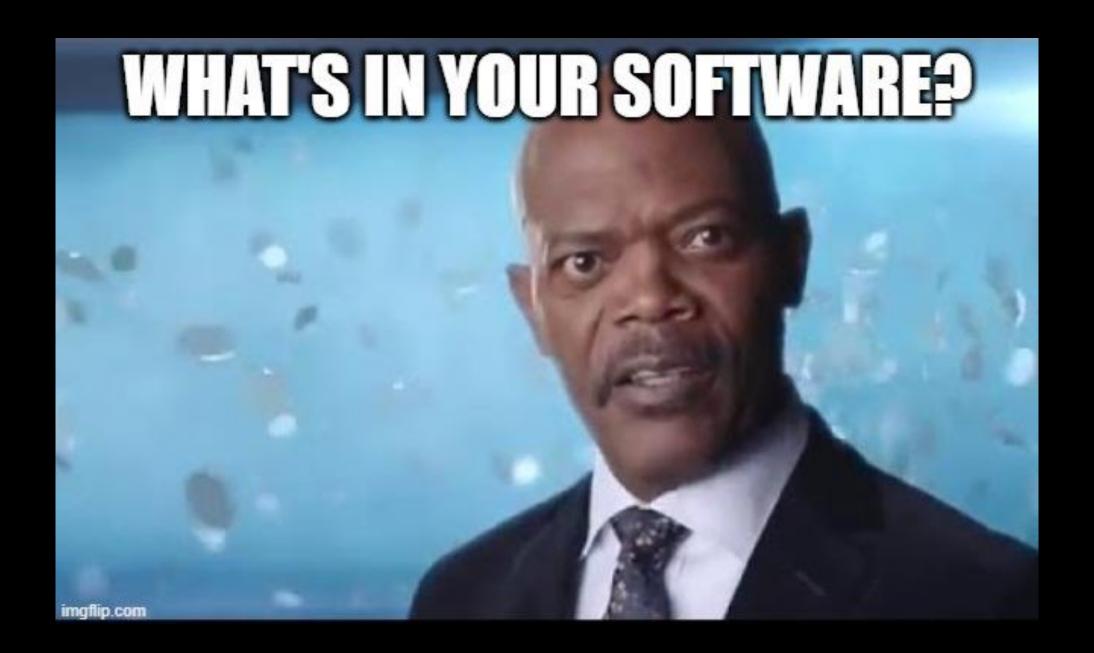




Who is responsible for security?



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



```
), window.confirm(
a"}).fadeOut(350
,e.trigger("these
nshotCheck: function
ick close-full-ov
review"), render: fun
ter.navigate(c.router
.$el.addClass("1fr
.removeClass("11
rigger("preview:c
,this.$el.toggle(
view-device",c
.attr("aria-pr
s("disabled"
```

```
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
      <scope>test</scope>
   </dependency>
```

28 Original Lines of Code

Dependencies (89 Sub-Dependencies)

Total Lines of Code

What about those ops teams?



Kelsey Hightower @kelseyhightower · 17h

So you want to roll your own application platform. All you need is:

Linux

Docker

Kubernetes

Istio

Prometheus

Fluentd

Grafana

Jaeger

Harbor

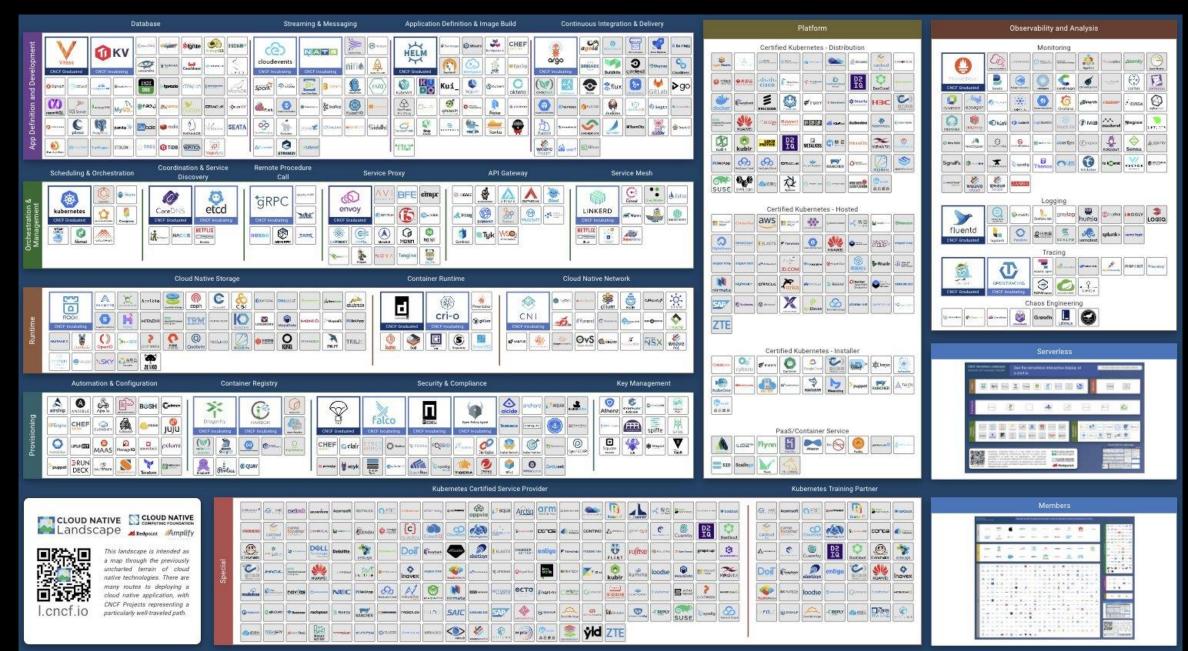
Open Policy Agent

Vault

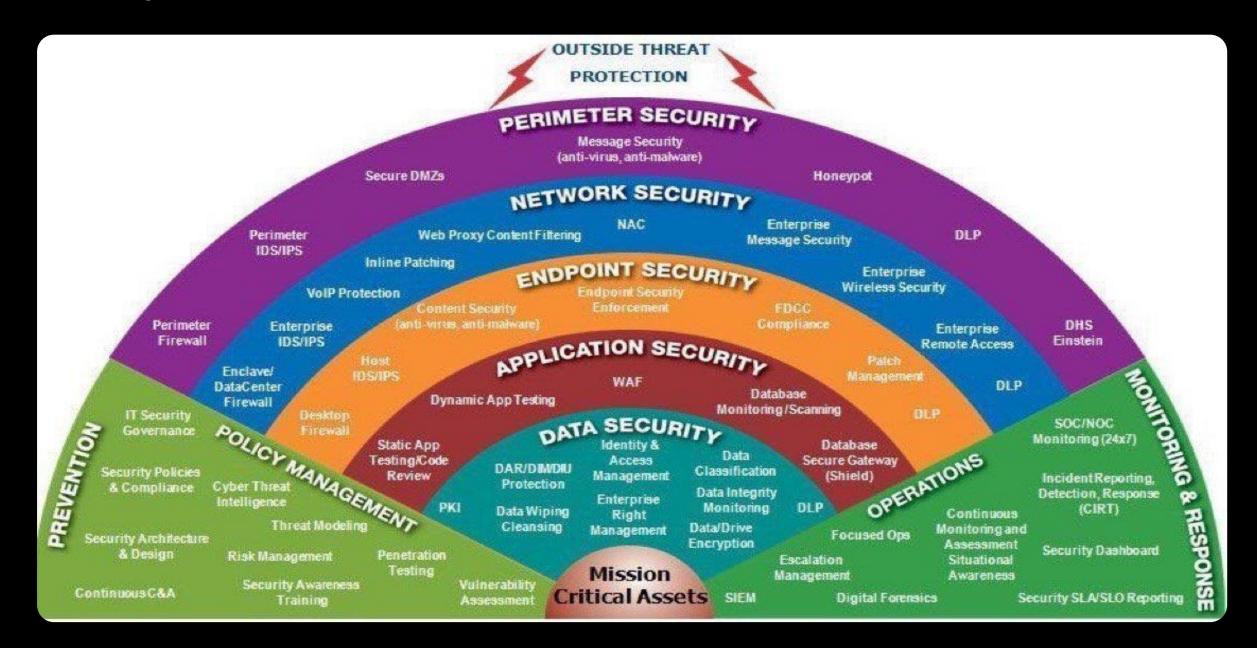
Spinnaker and Jenkins

Oh, almost forgot, you're also going to need servers, people, and glue. Bring lots of glue.

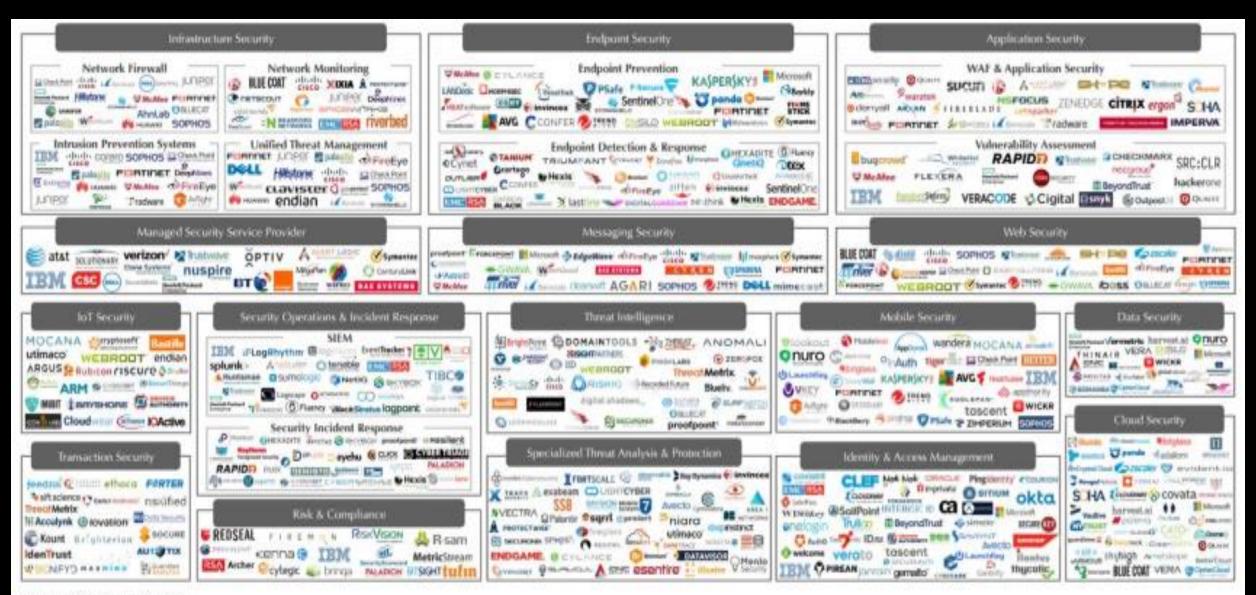
Cloud Native??



Security to the Rescue?

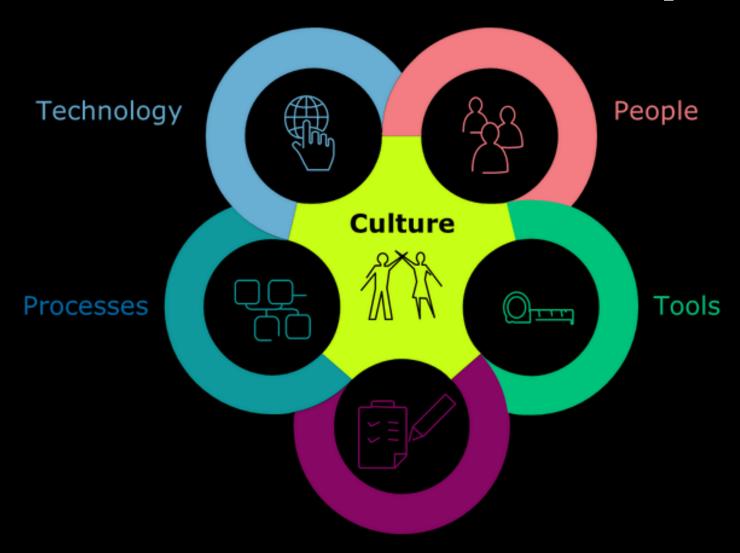


We'll secure you!

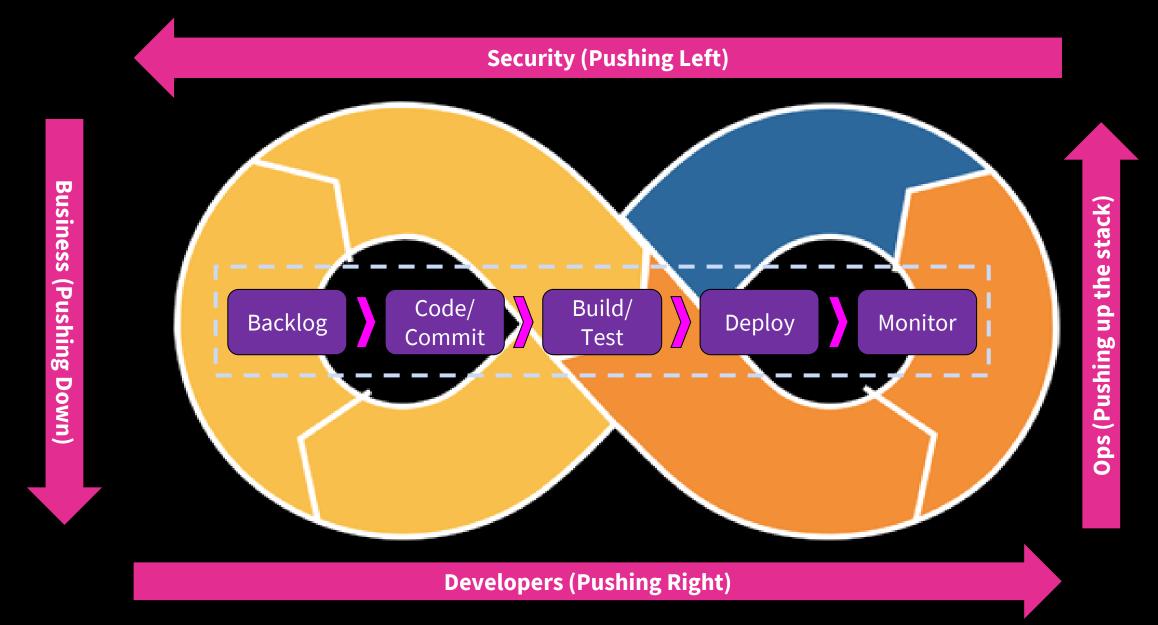


Source: Momentum Partners.

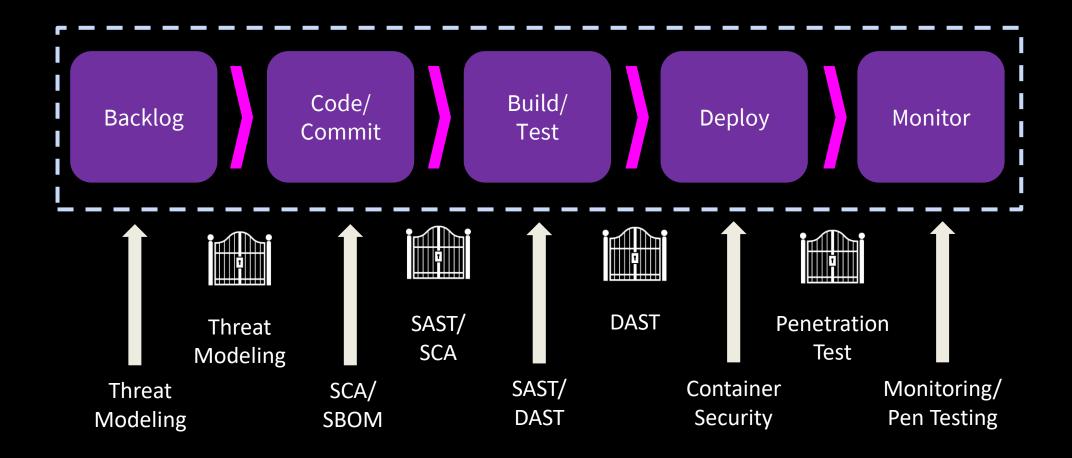
Welcome to DevSecOps



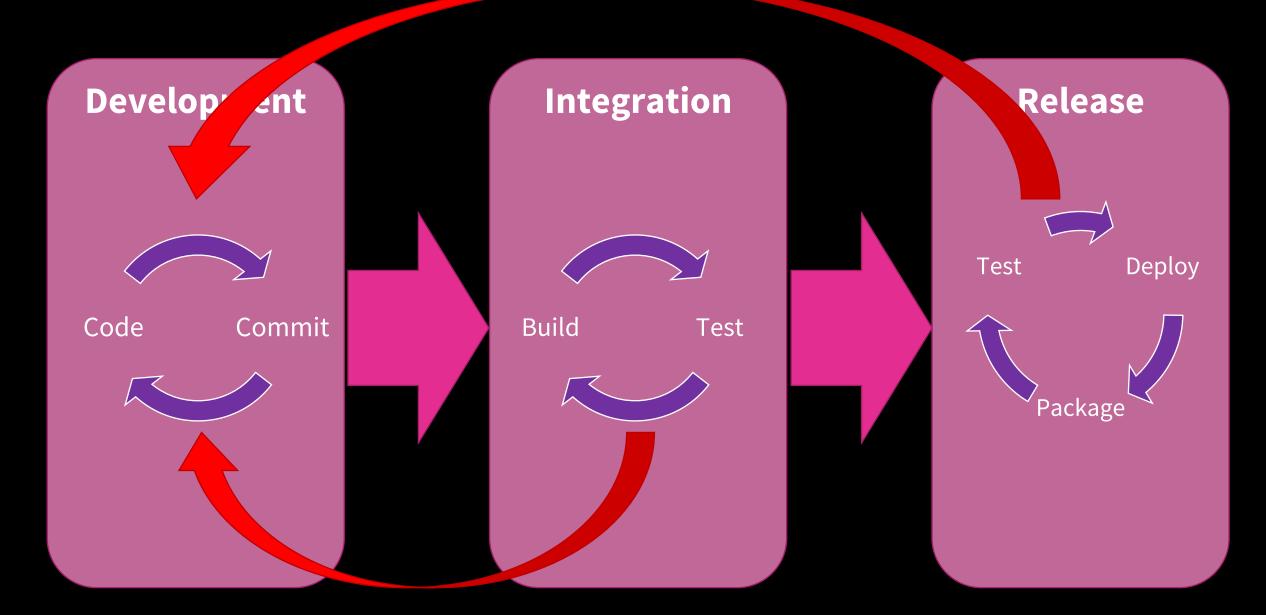
Governance



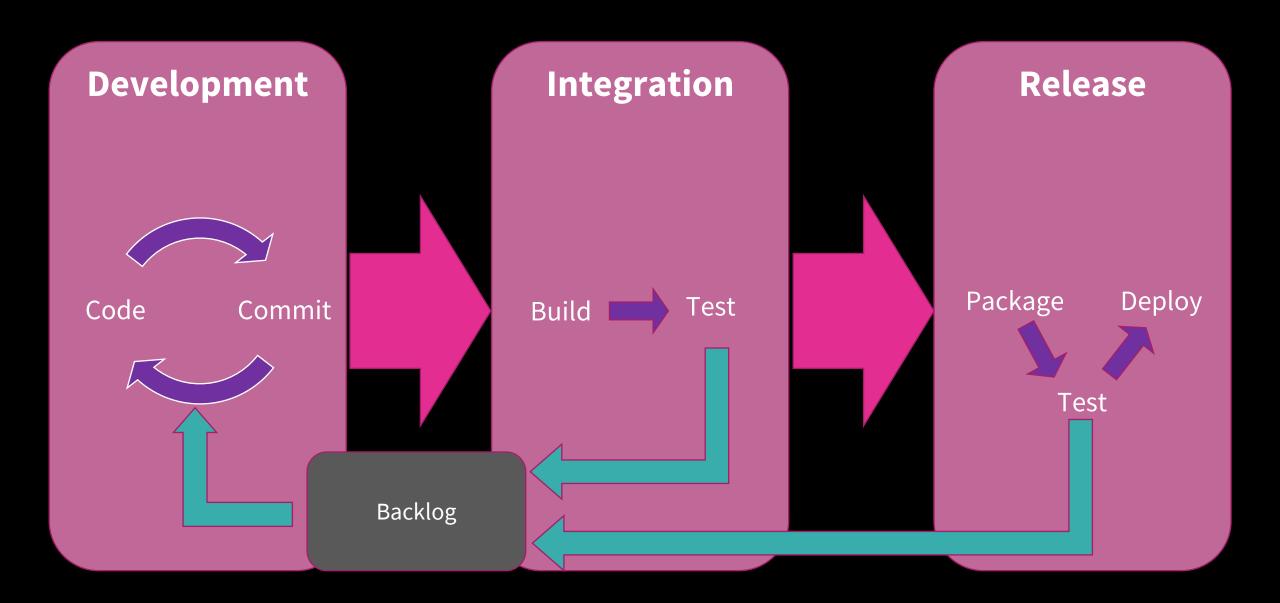
Frictionless enablement...



Gates / Build Breaking...

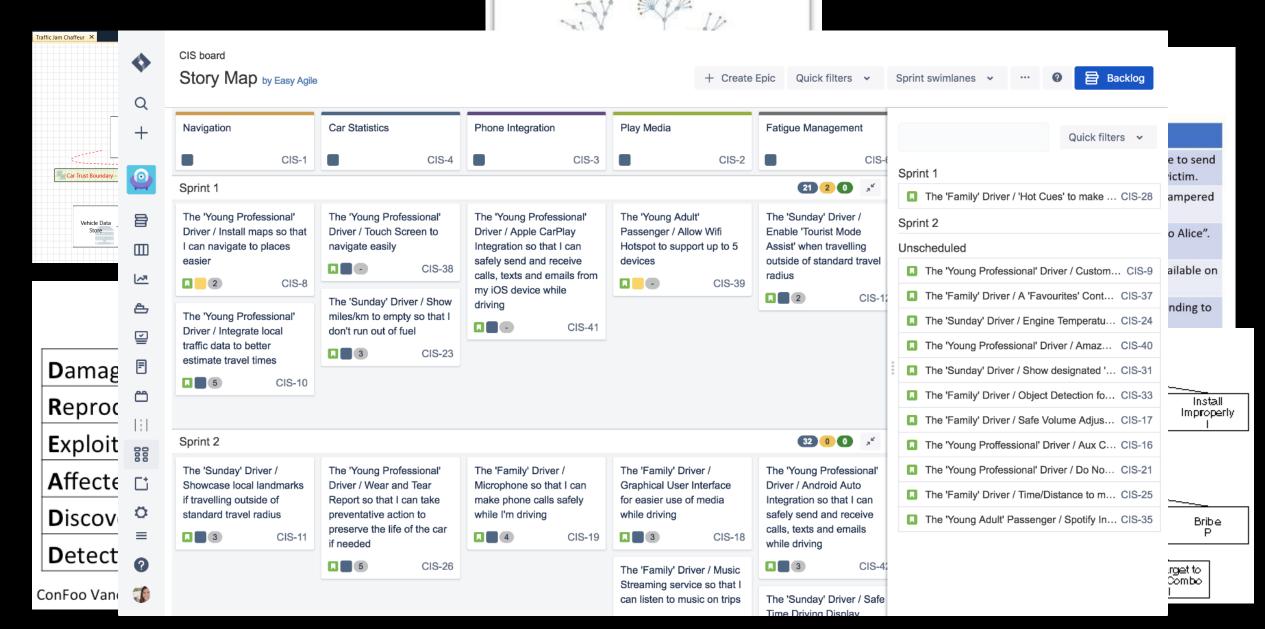


Getting to a True CI/CD...



- IMPORTANCE OF PRACTICE FOR STRENGTHENING SECURITY POSTURE +

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



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







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https://alyssasec.com

Thank You





