



# Mobile DevSecOps Panel: Building Secure Mobile Apps Used by Millions



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WORLD**  
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# Agenda and Introductions

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- Introductions
- The State of Mobile DevSecOps
- Mobile at Vivid Seats
- Mobile at Allstate
- Panel Q&A Discussion
- Key Recommendations
- Audience Q&A



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# State of Mobile DevSecOps

Brian Reed, Chief Mobility Officer, NowSecure



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# About NowSecure



**Mission:**  
Save the World from Unsafe Mobile Apps

**Automated Mobile AppSec Testing Software**  
**Expert Pen Testing & Training Services**

Mobile-First & Mobile-Only

10 years in mobile  
Millions of Mobile Apps Scanned  
+4,000 Daily Automated Mobile AppSec Tests in our Cloud

NowSecure Jenkins Plugin  
<https://plugins.jenkins.io/nowsecure-auto-security-test/>



# State of Mobile Apps

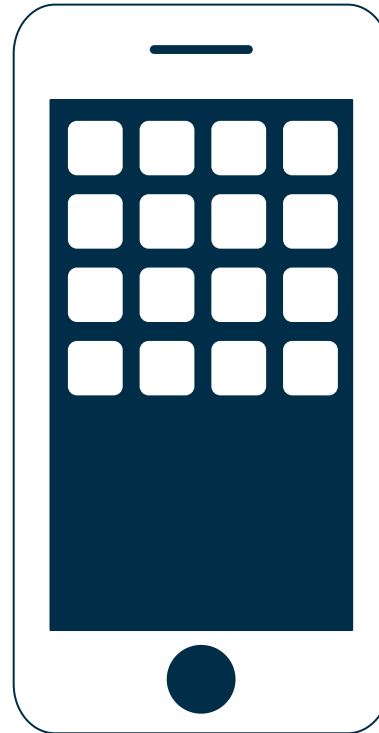
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69%

of all digital traffic is  
mobile vs web.

100%

of mobile devs want to  
build great apps.



85%

of mobile apps  
have security bugs.

9%

of organizations  
automate over 75% of  
their test cases.

90%

growth in mobile app  
downloads YoY Q2

100%

of mobile companies  
want happy customers.

70%

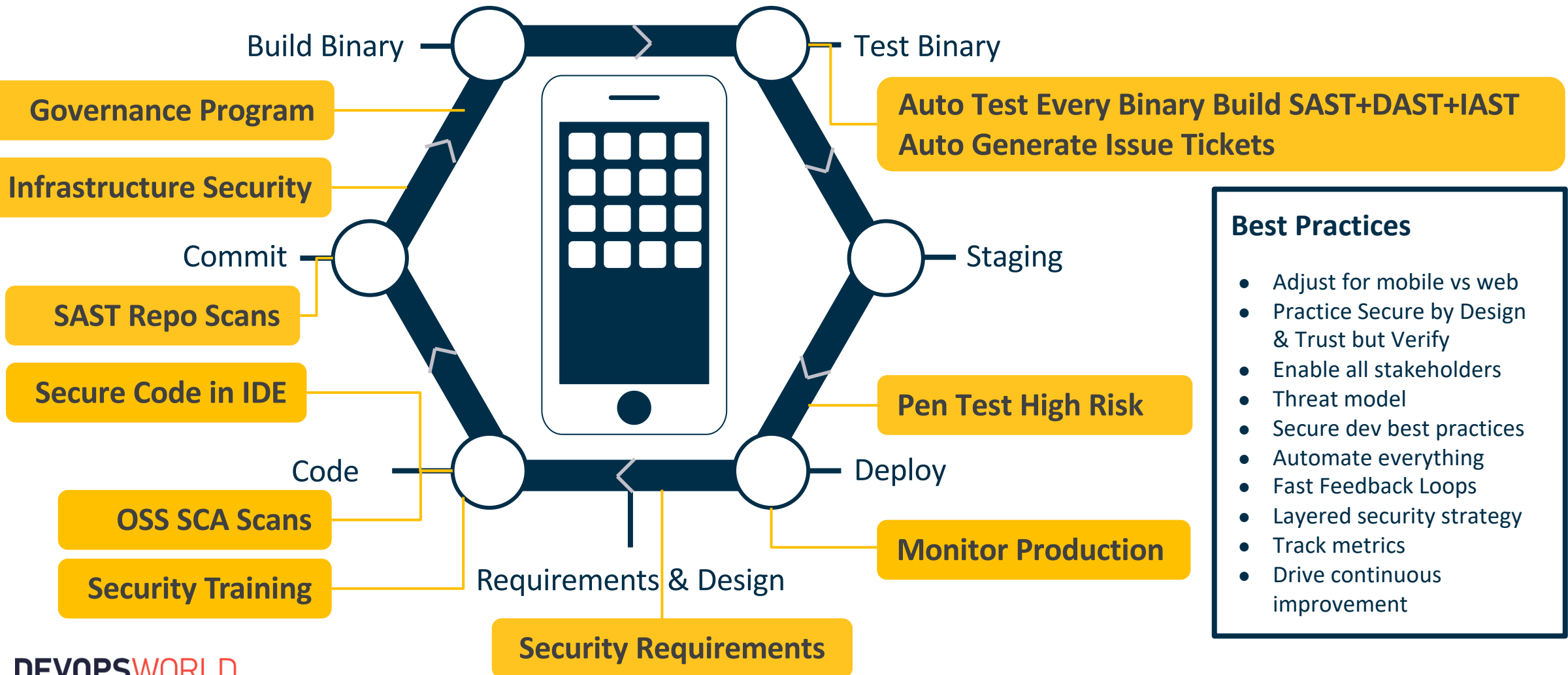
of mobile apps leak  
personal data and  
violate GDPR/CCPA.

14%

of organizations can  
release software daily.



# Mobile DevSecOps Strategy for Success

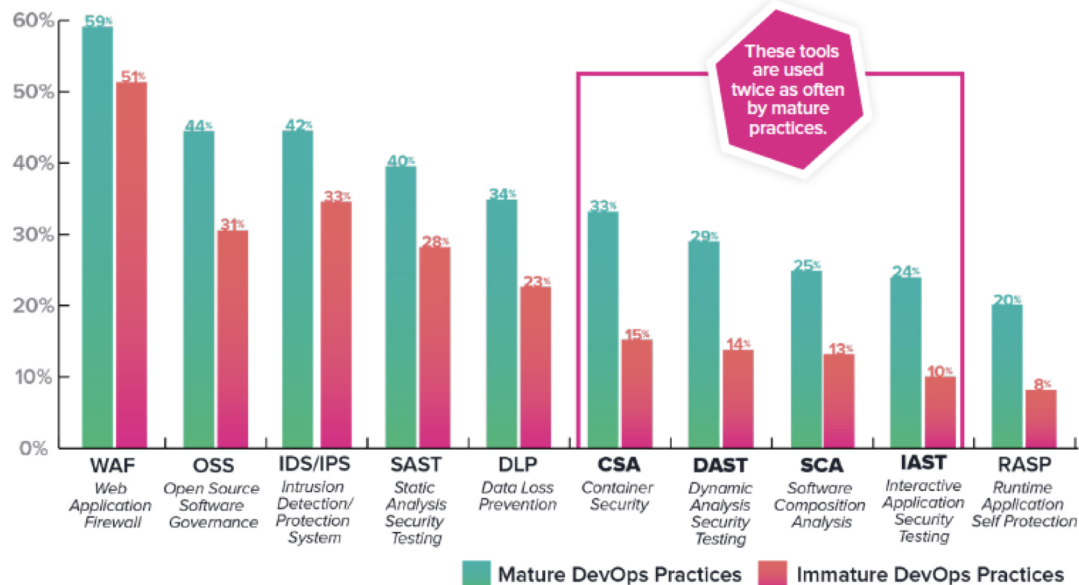




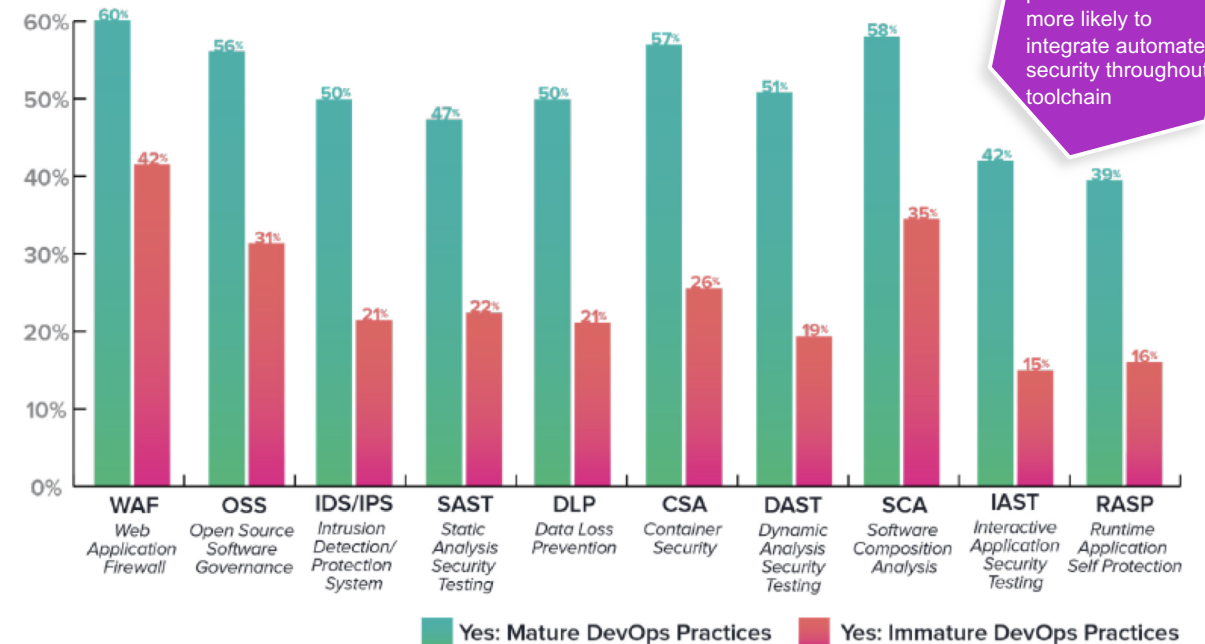
# Mature DevOps Teams Integrate Security Throughout

## What security tools do you or your team use?

Mature DevOps practices prioritize WAF, OSS Governance, and IDS/IPS.



## Are security tools properly integrated within your team's development pipeline?



Source: [2020 DevOps Community Survey](#)



# Mobile DevSecOps at Vivid Seats

Nic Roth, Director of Engineering, Vivid Seats

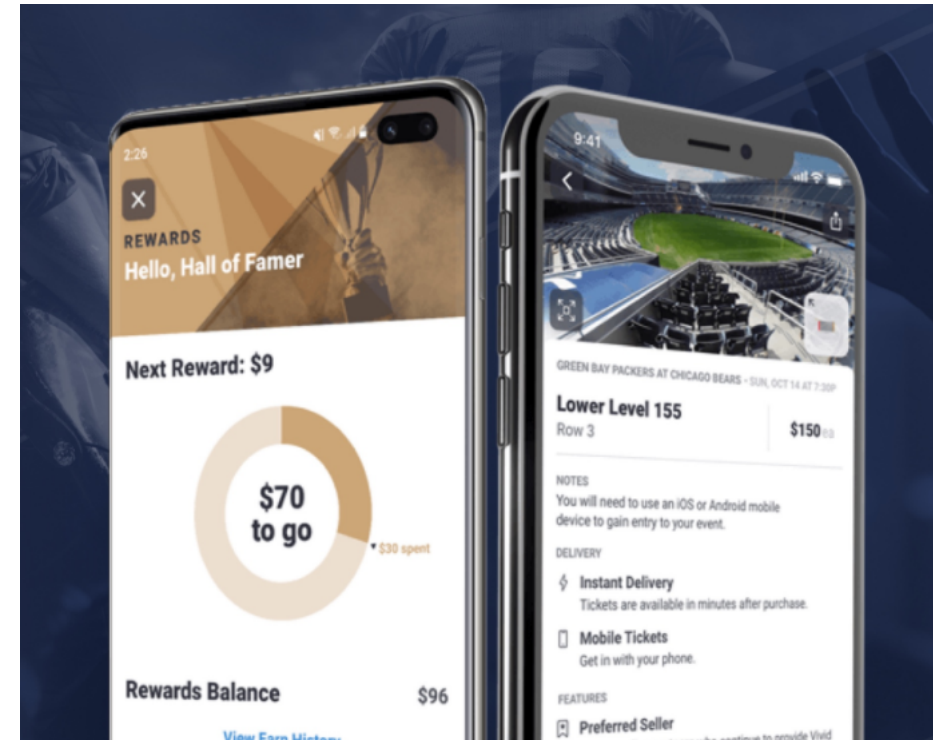


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# About Vivid Seats

- Founded 2001 in Chicago
- Offers tickets to music, sports, theater, and more
- Over 70 million tickets sold
- Best-in-class loyalty program: Vivid Seats Rewards
- Trusted partners of ESPN, Rolling Stone, Chicago Bears, Green Bay Packers, Notre dame, and more.
- Mobile App Innovations
  - Digital Tickets
  - Loyalty Program Wallet
  - User Favorites + Spotify Sync
  - Personalization and recommendations



# Mobile DevSecOps at Vivid Seats

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- Scan Early, Scan Often
  - CI builds are triggered whenever a pull request is created, or when code is pushed to a branch with an open pull request.
  - A staging deployment Fastlane lane runs, and:
    - Builds the project
    - Runs unit and UI tests
    - Runs code quality analysis (Sonarqube)
    - Runs security static & dynamic analysis (NowSecure)
    - Blocks the ability to merge into stage until all the above steps pass
  - Gives us the ability to view how our security posture has evolved over time, without having to run manual scans
  - Prevents vulnerabilities from being released inadvertently



# Mobile DevSecOps At Allstate

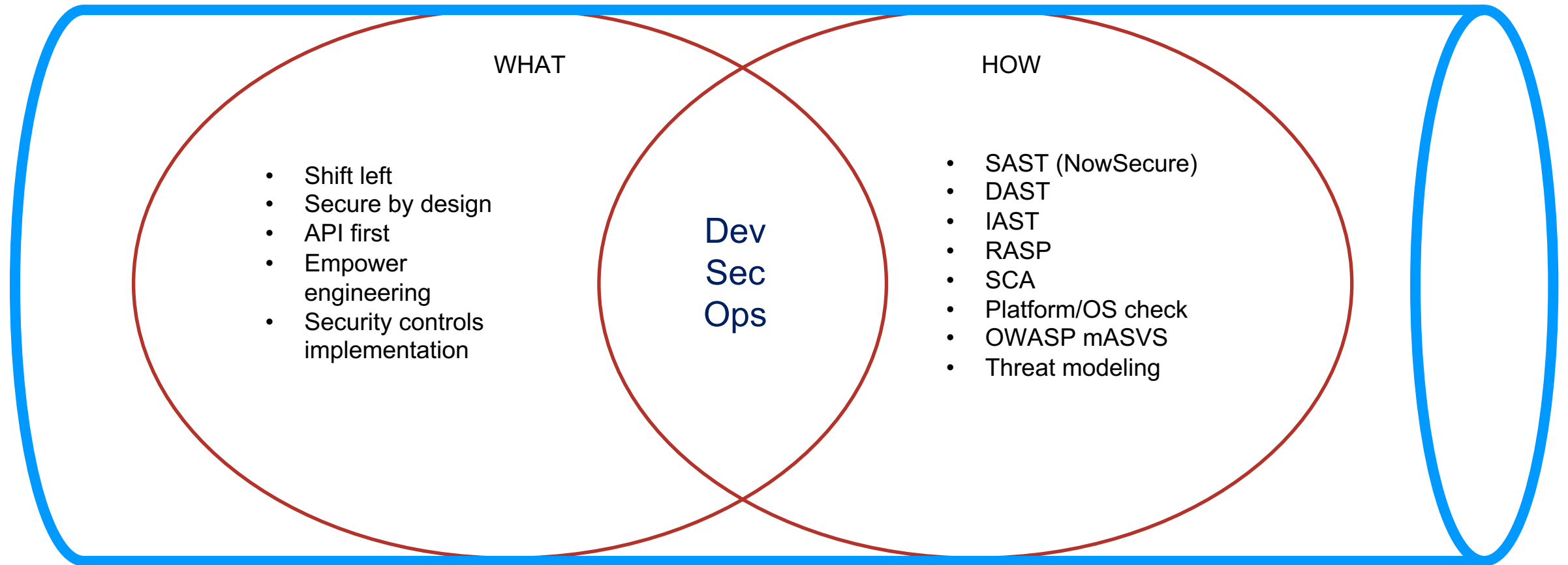
Nick Christi, Manager of App & Product Security, Allstate



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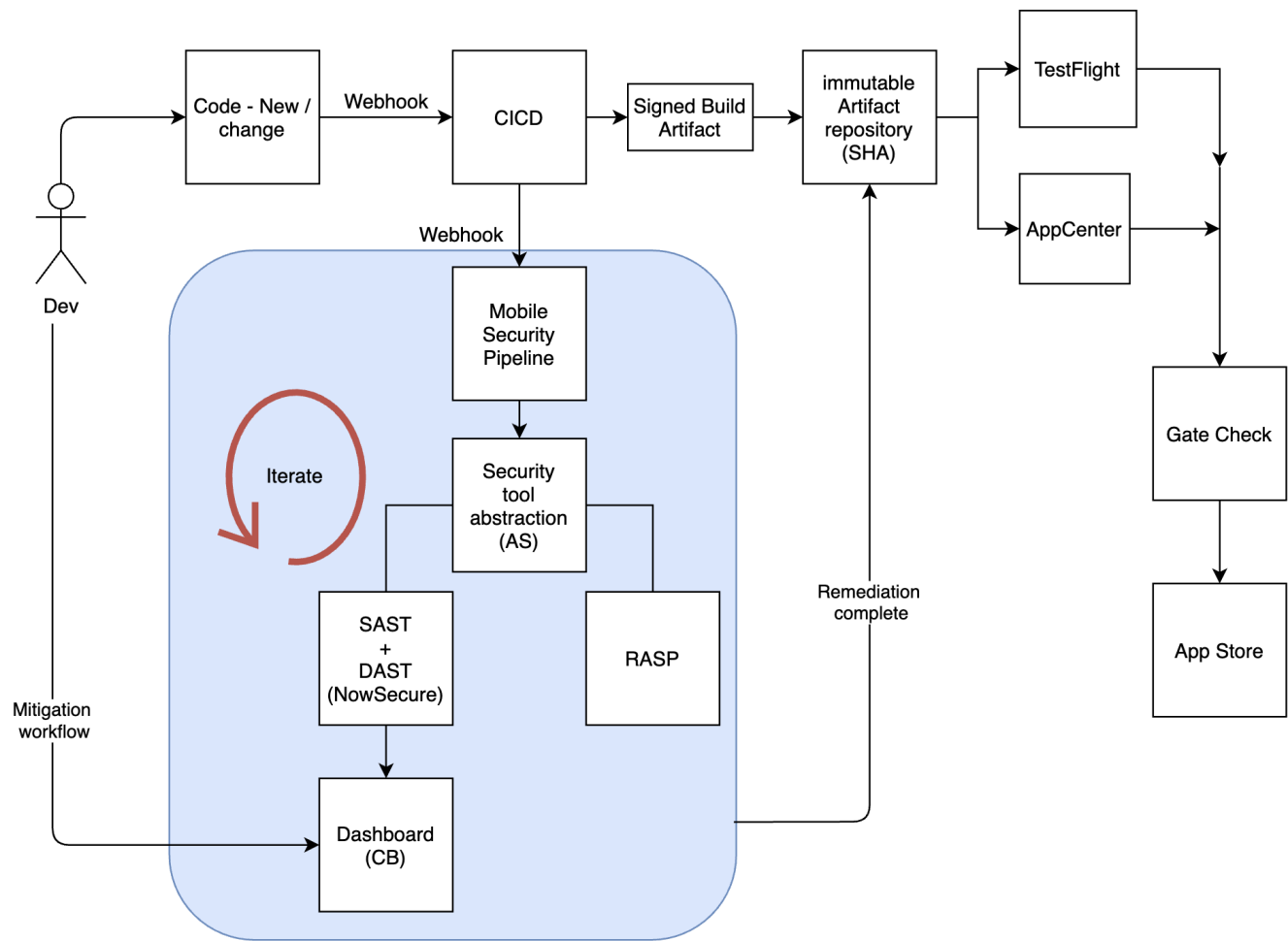


# Mobile DevSecOps at Allstate



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# Mobile DevSecOps at Allstate





# Panel Discussion

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From your different perspectives of dev and security architecture leaders, how do you view the Mobile DevSecOps challenge and opportunity?







How are your teams organized and how do you drive collaboration?







How do security, privacy & governance fit into your Mobile DevSecOps Program?





What are key metrics in your organization and how have they evolved over time?





What is your #1 piece of advice to those early in their Mobile DevSecOps journey?



# Additional Resources

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## Vivid Seats Tech Blog

<https://medium.com/vivid-seats-engineering>

## Allstate Innovation

<https://ourstory.allstate.com/forourcustomers/innovating/>

## Ultimate Guide to Mobile DevSecOps

<https://bit.ly/3jfd1mx>

## All Things Mobile DevSecOps Newsletter

<https://bit.ly/32oHmlx>

## 2020 DevOps Community Survey

<http://bit.ly/2020-dso-survey>



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