



IMPLEMENT

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DEVSECOPS

IN

AZURE



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## DELIVERING THE SOLUTION



Pre-commit

Commit (CI)

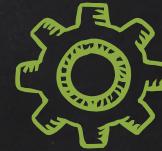
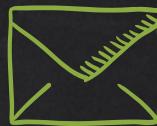
Acceptance (CD)

Production

Operations



...EVERY STEP YOU TAKE... I'LL BE WATCHING YOU



## Pre-commit

- X Threat modeling
- X IDE Security plugins
- X Pre-commit hooks
- X Secure coding standards
- X Peer review

## Commit (CI)

- X Static code analysis
- X Security unit tests
- X Dependency management

## Acceptance (CD)

- X IaC
- X Security scanning
- X Cloud configuration
- X Security acceptance testing

## Production

- X Security smoke tests
- X Configuration checks
- X Penetration testing

## Operations

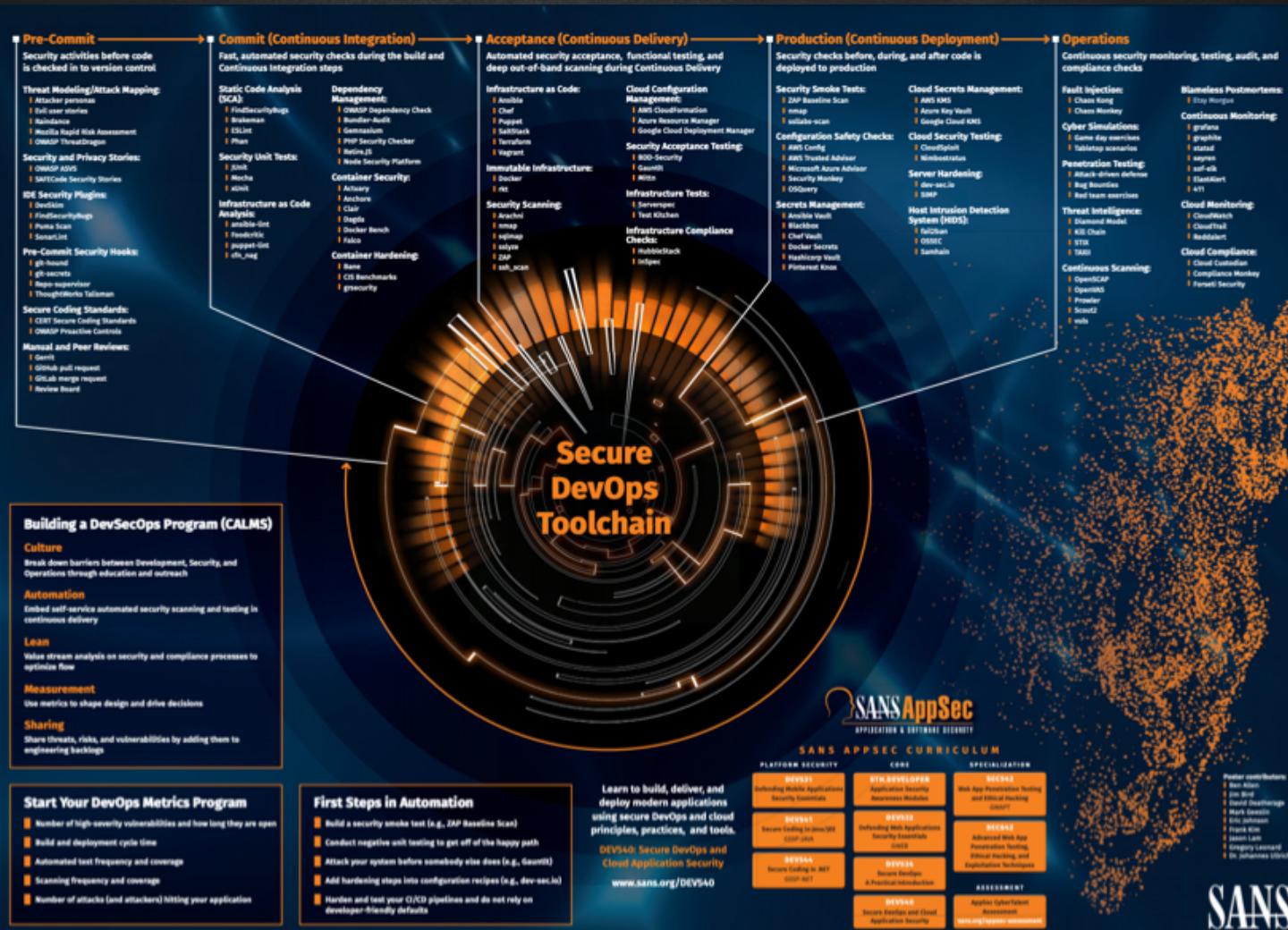
- X Continuous monitoring
- X Threat intelligence
- X Penetration testing
- X Blameless postmortems





WORKSHOP TIME





# RESOURCES

- X SANS poster: <https://www.sans.org/security-resources/posters/secure-devops-toolchain-swat-checklist/60/download>
- X Microsoft Security Code Analysis: <https://secdevtools.azurewebsites.net>
- X Secure DevOps Kit for Azure: <https://github.com/azsk/DevOpsKit-docs>
- X Azure security best practices: <https://docs.microsoft.com/en-us/azure/security/security-best-practices-and-patterns>
- X Azure DevOps Services: <https://azure.microsoft.com/en-us/services/devops/>
- X Azure applications design principles: <https://docs.microsoft.com/en-us/azure/architecture/guide/design-principles/>
- X WhiteSource Bolt extension for Azure DevOps Services:  
<https://marketplace.visualstudio.com/items?itemName=whitesource.ws-bolt>
- X The OWASP Foundation: [https://www.owasp.org/index.php/Main\\_Page](https://www.owasp.org/index.php/Main_Page)
- X And me ☺ at github: <https://github.com/texnokot/>
- X And of course twitter: <https://twitter.com/texnokot>



THANKS!

Any questions?

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