Security Compass

Achieving Continuous Compliance in DevOps Programs

DevSecOps Days 2021 – Los Angeles

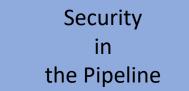
Arun Prabhakar

DevSecOps Consultant

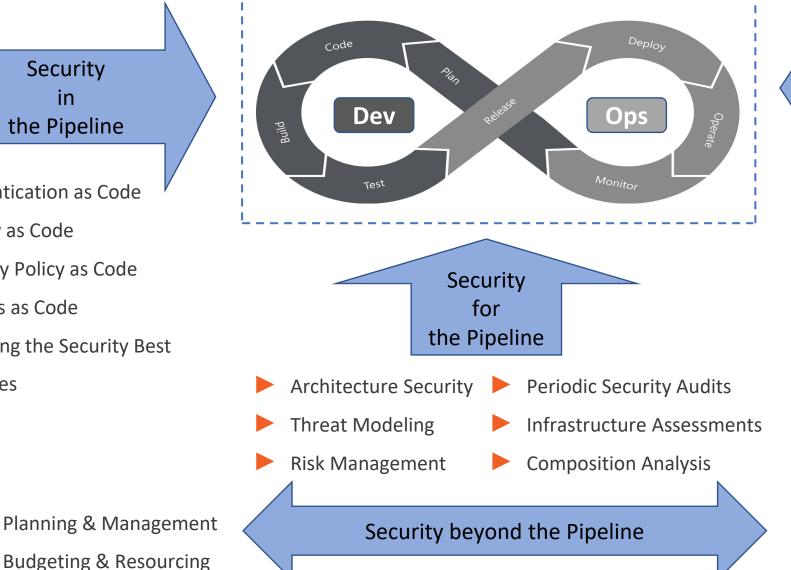
Definitions and Objectives

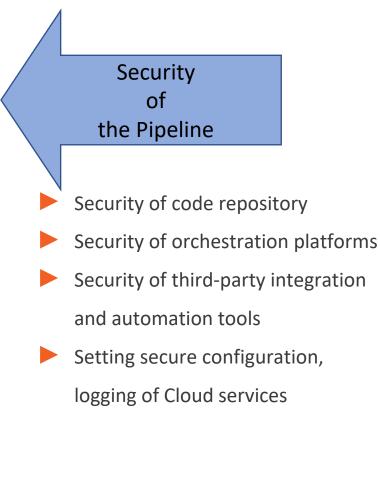
- Security and Compliance
- Compliance goals
- Continuous Compliance
- Compliance as Code
- Accomplishing Continuous Compliance
 - **1**. How to implement the security concepts
 - 2. How to organize the security teams

Fit Security in DevOps



- Authentication as Code
- Privacy as Code
- Security Policy as Code
- Process as Code
- Codifying the Security Best Practices





- Evangelism & Training
- Culture & Process

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Accomplishing Objectives –

How to implement the security concepts

Codifying Security in DevOps



All **Security principles**, **tools**, defensive mechanisms and the verification logic should be codified



Every phase of the product development program need to be secure & codified



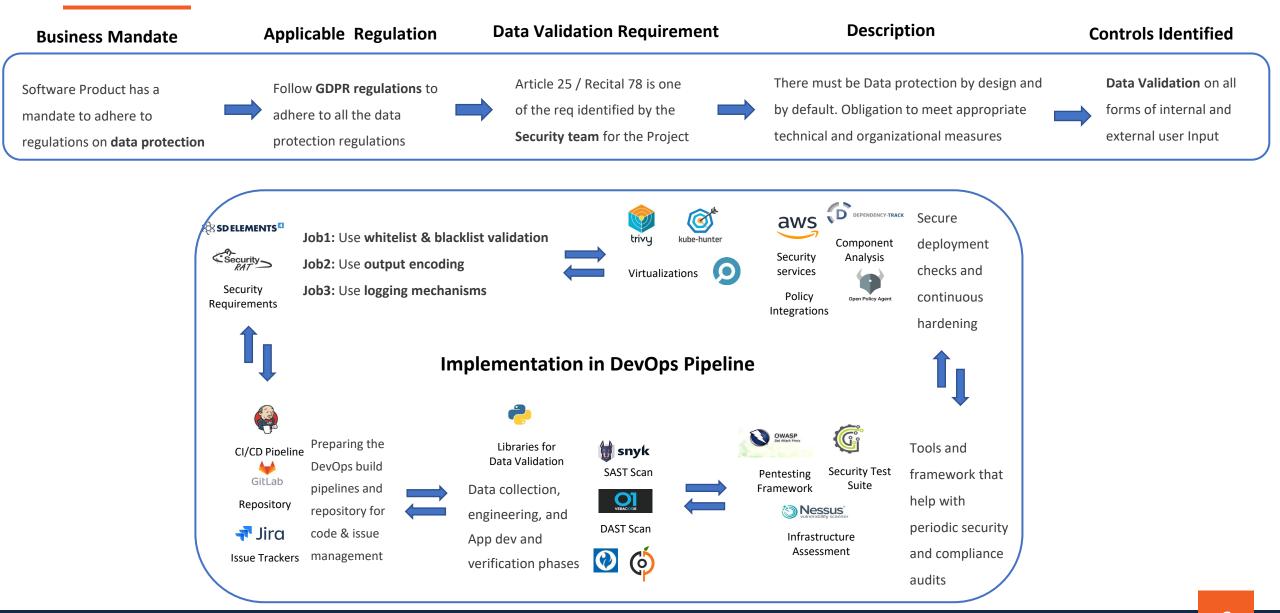
Security is a process, and every **process step** must be codified



All requirements, mandated by regulations, policies MUST be completely codified

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Implementation of Continuous Compliance



Accomplishing Objectives –

How to organize the security teams

Security Champions

White Teamer

Who are they? : A functional role, strategizing events

to foster better collaboration among all security teams.

Champion Responsibilities :

- Auditing the programs
- Planning the complete process steps
- Coordinating among all the teams
- Taking accountability of actions
- ✓ Continuous Governance
- ✓ Process Automation
- ✓ Knowledge Management
- ✓ Continuous Management
- ✓ Continuous Collaboration



Achieving

Continuous

Compliance

Purple Teamer

Who are they? : A technical role, act as bridge-builders

primarily between the defensive and offensive teams.

Champion Responsibilities :



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Performing Due diligence

Defining validation strategy

- Planning the Security tests
- ΣŢΣ

Determining Cost-benefit tradeoff

- ✓ Continuous Monitoring
- ✓ Continuous Training
- ✓ Continuous Verification
- ✓ Continuous Reviews
- ✓ Continuous Reporting

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Best Practices and Next Steps

- Continuous Everything will lead to Continuous Compliance
- Perform Threat Models well ahead
- Monitor your security Architecture
- Getting trained in Secure Coding
- Test Driven Security
- Automate Everything
- Learning to speak the same Language
- Knowledge management
- Involve a Security Champion

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Thank You



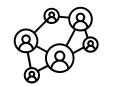
Arun Prabhakar

in

https://www.linkedin.com/in/arun-prabhakar/

https://arunp14sec.medium.com/

Interested in



Collaboration



Research



Learning





Projects