

# CI/CD Pipeline

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# Executive Summary

## High level system description

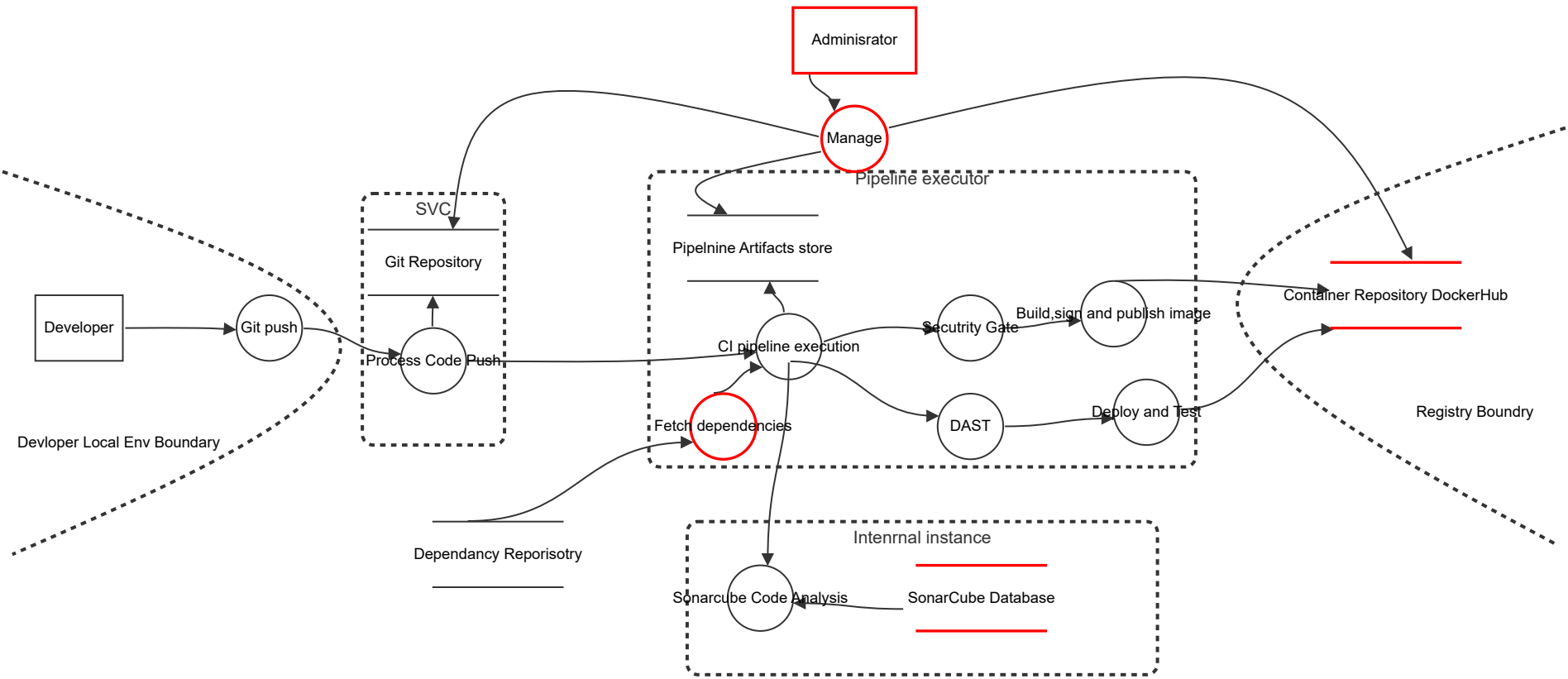
CI/CD Pipeline for DevSecOps Labs

## Summary

Total Threats	5
Total Mitigated	0
Not Mitigated	5
Open / High Priority	0
Open / Medium Priority	5
Open / Low Priority	0
Open / Unknown Priority	0

# CI pipeline

CI pipeline for DecSecOps lab



# CI pipeline

## Adminisrator (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
4	Continuous Monitoring	Spoofing	Medium	Open		Continuous Monitoring	Implement logging and monitoring to detect and respond to security incidents.

## Manage (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
1	Unauthorized Access	Spoofing	Medium	Open		Unauthorized Access: Ensure proper authentication and authorization mechanisms.	Ensure proper authentication and authorization mechanisms.

## Data Flow (Data Flow)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Pipeline Artifacts store (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## CI pipeline execution (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Secutrity Gate (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Build,sign and publish image (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Fetch dependencies (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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2	Artifact Dependencies	Spoofing	Medium	Open		Keeping it open dependencies download from Internet	Open selective links and that also with proxy so that traffic can be monitored and see what exactly we can download
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## DAST (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Deploy and Test (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Git Repository (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Process Code Push (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Sonarcube Code Analysis (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## SonarCube Database (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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3	Regularly review and update of the Source DB	Tampering	Medium	Open		Regularly review and update of the Source DB	Regularly review and update the DB to address new vulnerabilities
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## Developer (Actor)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Git push (Process)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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## Container Repository DockerHub (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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12	Artifact Repositories	Tampering	Medium	Open		Secure storage	Secure storage for build artifacts (e.g., Docker images, binaries).
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## Dependency Reporisotry (Store)

Number	Title	Type	Priority	Status	Score	Description	Mitigations
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