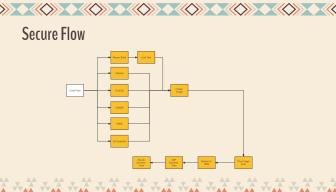
SECURE FLOW

DevSecOps Pipeline with GitHub Actions





- Continuous integration / continuous delivery (CI/CD)
 - Any language
 - Matrix builds
- Linux, macOS, Windows, ARM, and containers



Sonar

- A cloud-based code analysis service designed to detect code quality issues
- Static analysis
- Detect:
 - Bad Code Smells
 - Bugs
 - Vulnerabilities
 - GitHub Action Integration and Other platforms



An AWS managed container image registry service

- Image scanning
- Cross-region and cross-account



- AWS Fargate
- Integration with Access Management (IAM).
- Support for service discovery.



- Detect more than 200 types of secrets
- As well as other potential security vulnerabilities & policy breaks

- Uses public API to scan issues in code
- Fails if there are secret leaks



- Acquire api token from server
 - Choose methods to store the result

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SITHUR PUSH REFORE SHA: \$4(github.event.before 3)

GITHUB_PUSH_BASE_SWA: \${{ github.event.base }} GITHUB_PUSL_BASE_SWA: \${{ github.event.pull_request.base.she }} GITHUB_DEFAULT_BRANCH: \${ github.event.repository.default_branch }} GITHUB_GASHA_APL_MEY: \${{ secrets.GITGUMSDIAN_API_KEY }}



- Fast and customizable vulnerability scanner
- Templates are updated regularly and automatically
- It is capable of scanning various protocols: DNS,
 HTTP and etc.



- Assign templates for the scanner
- Method to reserve the result
- Url of the scan target

Nuclei

ULLU

□ Tomatal Detection (tomcat-detect) found on http://ecsloadbalancer-1600554619.us-west2-elb.amazonaws.com/jpetstore
#66 opened 1 hour ago - Detected by nuclei in :1

□ WAF Detection (warf-detect) found on http://ecsloadbalancer-1600554619.us-west2-elb.amazonaws.com/jpetstore
#65 opened 1 hour ago - Detected by nuclei in :1

□ HTTP Missing Security Headers (http-missing-security-headers) found on http://ecsloadbalancer1600554619.us-west-2-elb.amazonaws.com/jpetstore
#85 opened 1 hour ago - Detected by nuclei in :1

□ HTTP Missing Security Headers (http-missing-security-headers) found on http://ecsloadbalancer1600554619.us-west-2-elb.amazonaws.com/jpetstore

- Failing from preventing unencrypted connections
- Tech-detection



- A fast, light-weight, portable, and open-source secret scanner for git repositories, files, and directories.
- Static analysis tool
 - Detect:

 o passwords
 - o passwor
 - api keystokens
 - UNGII

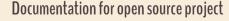


- II UELECIEU IEAKS
- if no leaks detected

Trivy

 Trivy (tri pronounced like trigger, vy pronounced like envy) is a simple and open-source container image scanner.

- Static analysis tool
- Target: docker image
- Well integrated with GitHub



- README.md
- SECURITY.md
- CONTRIBUTE.MD



THANKS!

