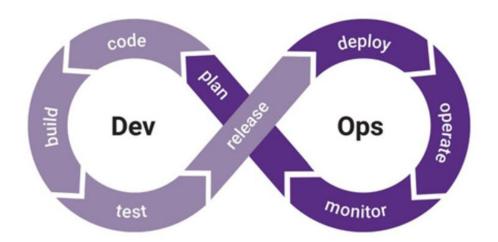
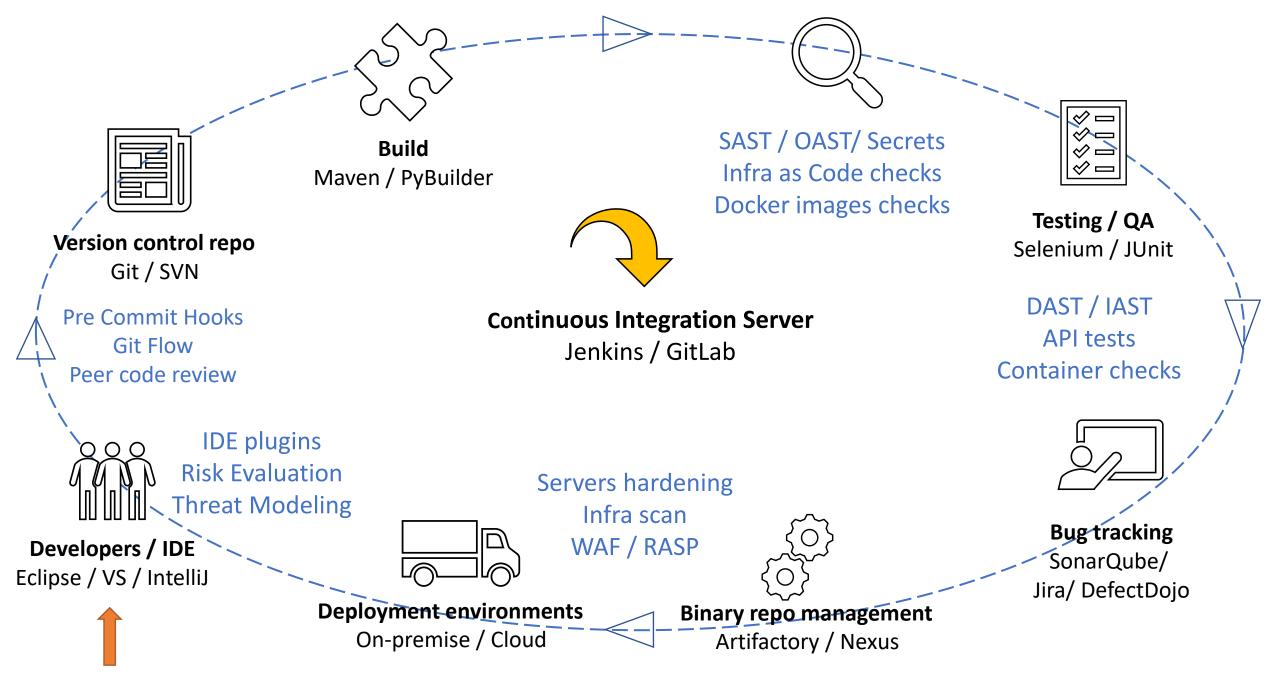


Culture Focus on People Embrace change & experimentation "Continuous Delivery" "Infrastructure as Code" Focus on producing value for the end-user Small batch sizes Measure everything Show the improvement Open information sharing Collaboration & Communication



Scope for today

- Evaluation of vulnerabilities and misconfigurations through the development lifecycle
- Scanning tools, such as:
 - Static Application Security Testing (SAST)
 - Open Source Component Analysis (SCA)
 - Infrastructure as Code Scanning (IACS)
 - Containers Security Checks
 - Dynamic Application Security Testing (DAST)
- Vulnerability management process and tools (DefectDojo)
- CI/CD (Gitlab) and Bug Tracking (Jira) integrations



Toolchain







ScanSuite



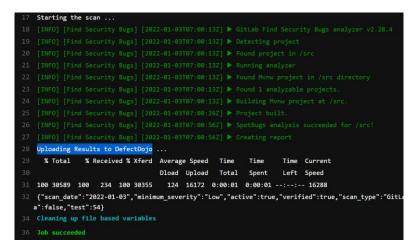
Vulnerability scanners

ScanSuite Q

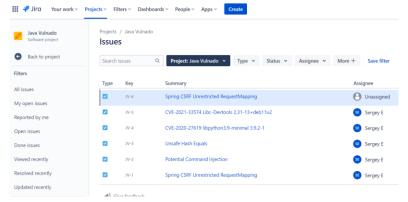
- One tool to glue them all
- Available on github.com/cepxeo/scansuite
- Bash wrapper around over 20 scanners, such as:
 SAST / DAST / SCA / IACS / Container checks
- Leverages GitLab images and other open source scanners
- For standalone checks or as a part of CI\CD
- Exports results to DefectDojo



Demo time









SAST

Static AppSec Testing

DAST

Dynamic AppSec Testing

- > False positives
- Time to scan
- Adjusting

Constraints & Limitations

IAST

Interactive AppSec Testing

- Web apps only
 - App crawlers
- Intrusive vs not comprehensive
- Business logic
 vulnerabilities
- Quality depends on unit tests
- Limited language support
- Unaware of business logic

Considerations

Start low, go slow, but look far Single vulnerability aggregation repository Track issues, measure remediation rate Filtering for duplications and false positives Continuous improvement of scanners and tools Business logic checks via regular unit testing Application security minds and skills