

DevSecOps Reference Architectures

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About this collection

- The reference architectures can be used to validate choices you have made or are planning to make.
- They are curated from the community. You will notice a number of common elements that are used repeatedly.
- Each image has a link to its original source in the speaker notes, enabling you to deep dive for more knowledge.

If you would like to have your reference architecture added to this deck, please send it to weeks@sonatype.com.

Degrees of DevSecOp s Automatio n

DevSecOpsTooling	Integration Points and Degree of Automation					
	Design	Development (IDE)	Repository Manager	CI/CD	Post-Deployment	
Open source governance	•		•	•	•	
Open source software analysis	•	•	•	•	n/a	
Static Application Security Testing (SAST)	•	•	•	•	n/a	
Dynamic Application Security Testing (DAST)	•	n/a	n/a	n/a	•	
Interactive Application Security Testing (IAST)	•	n/a	n/a	•	n/a	
Mobile Application Security Testing (MAST)	•	n/a	•	•	n/a	
Run-time Application Self Protection (RASP)	n/a	n/a	n/a	•	•	
Container and Infrastructure Security	•	n/a	•	•	•	

Common Elements of a DevSecOps Pipeline























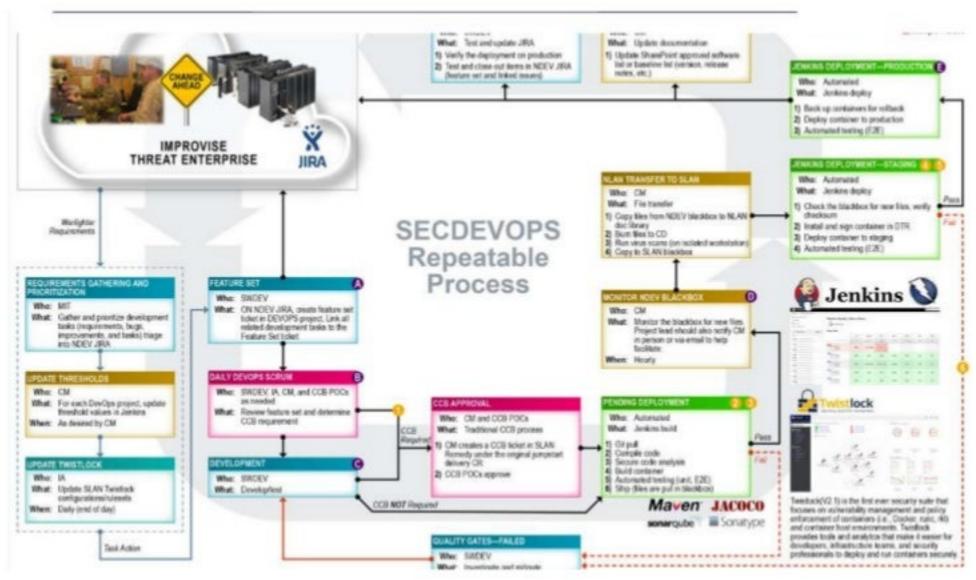






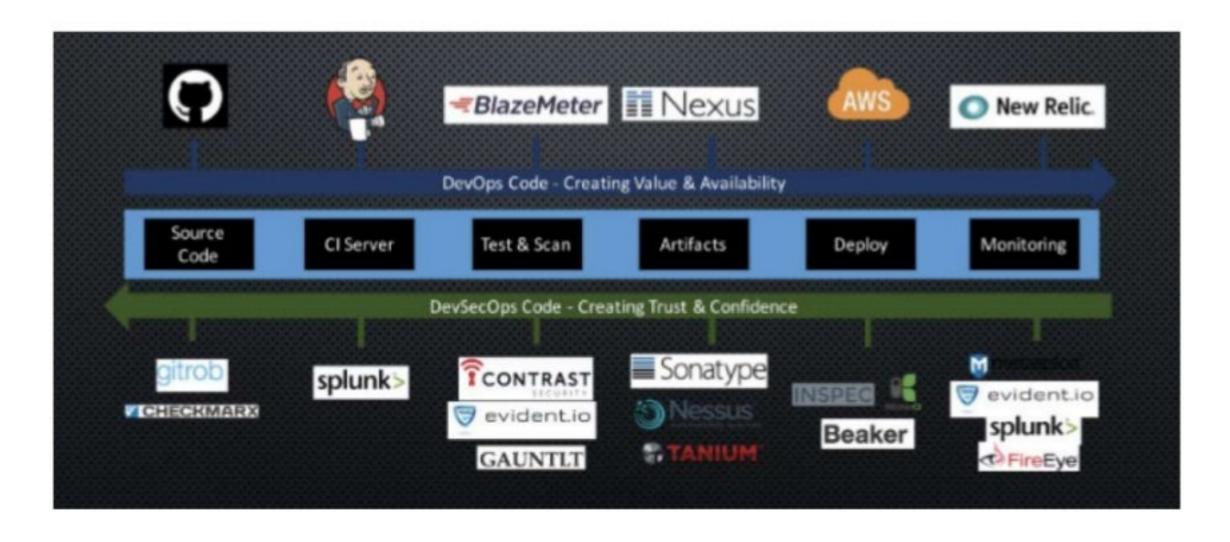


DevSecOps according to U.S. Dept of Defense/JIDO



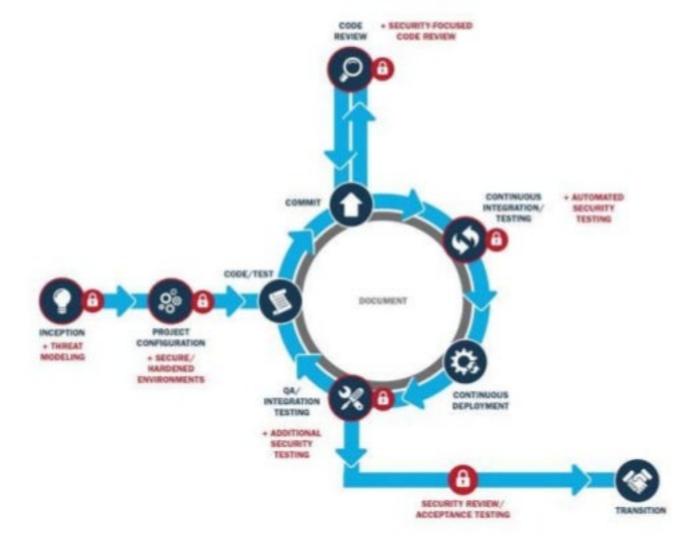


DevSecOps according to Magno Rodrigues



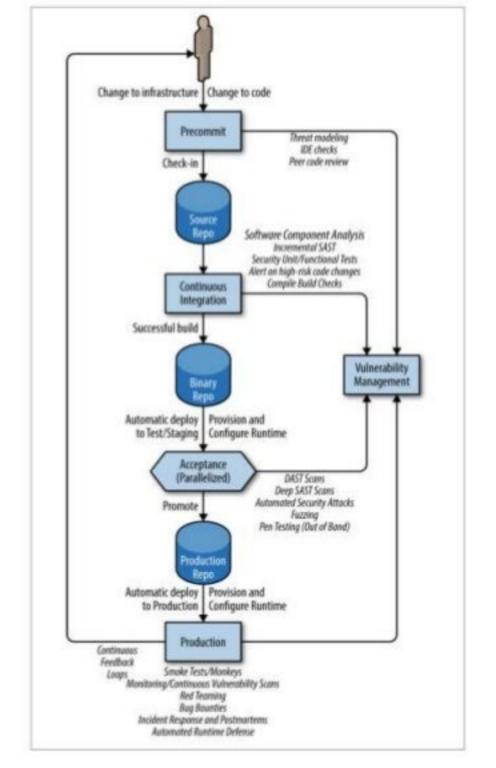


DevSecOps according to Carnegie Mellon's SEI



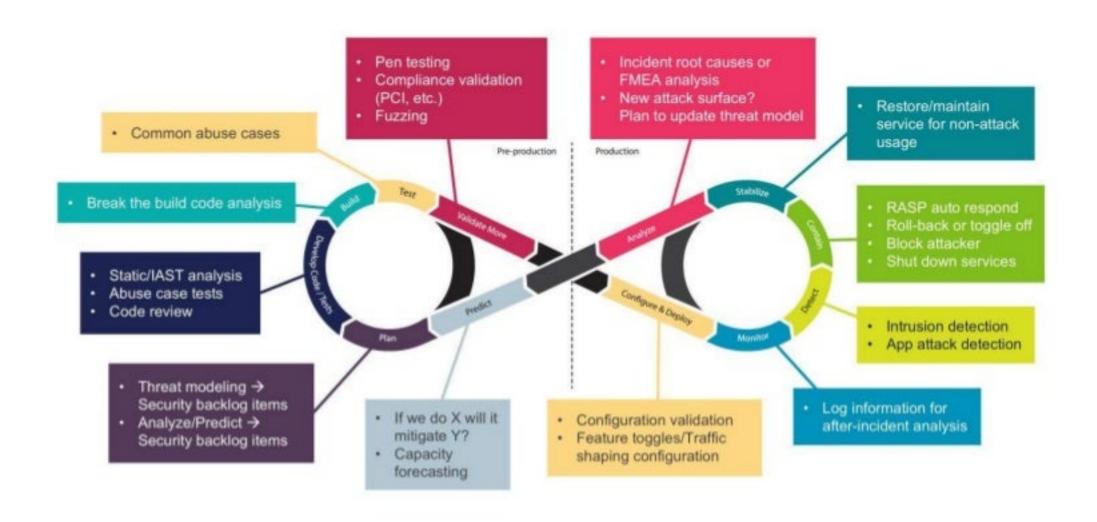


DevSecOps according to Jim Bird



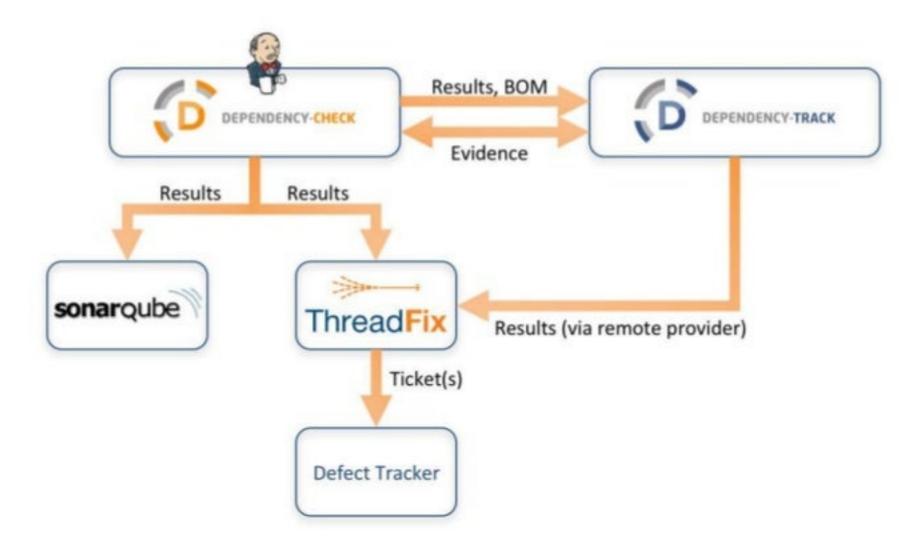


DevSecOps according to Larry Maccherone



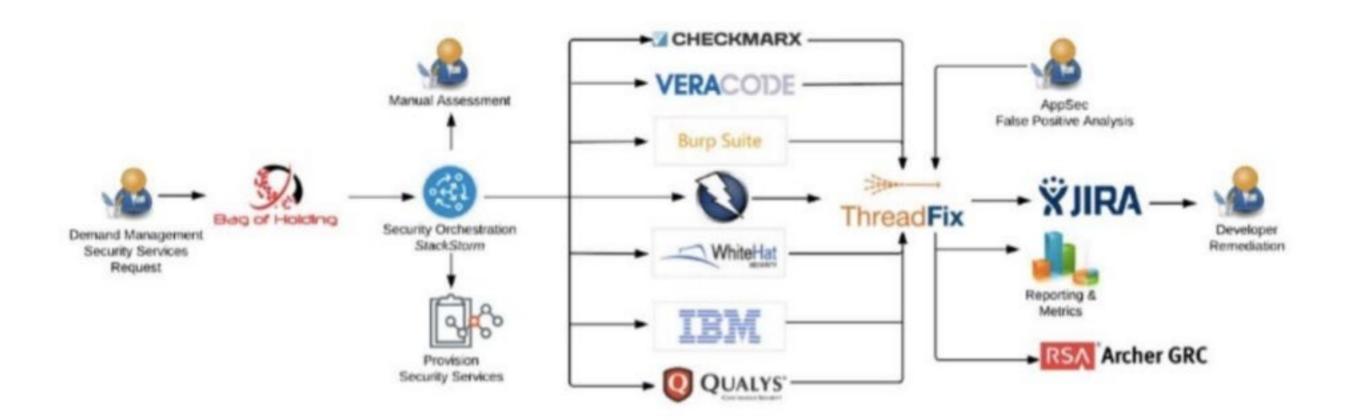


DevSecOps according to Steve Springett





DevSecOps according to TeachEra





21 DevSecOps practitioners from leading enterprises to shared their experiences and best practices. All 21 recordings are available for free at www.alldaydevops.com.

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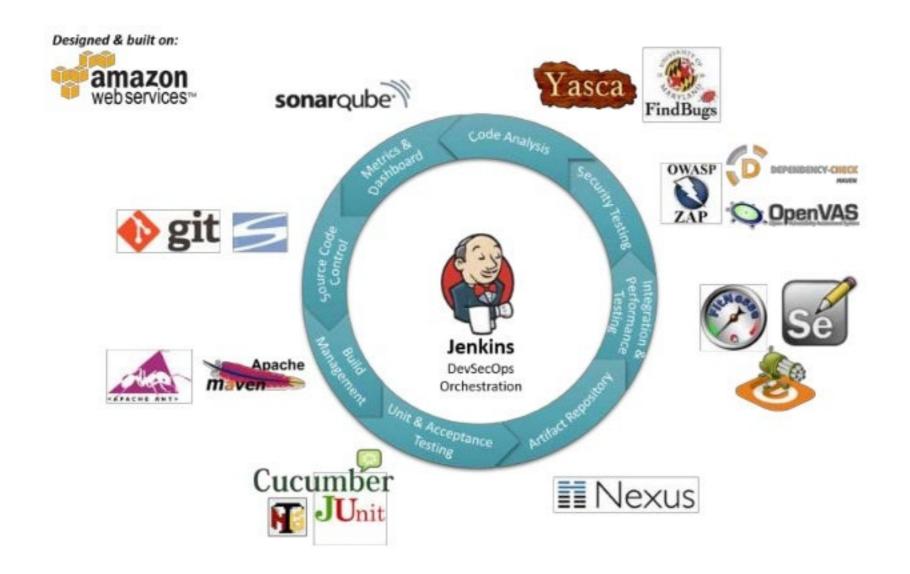






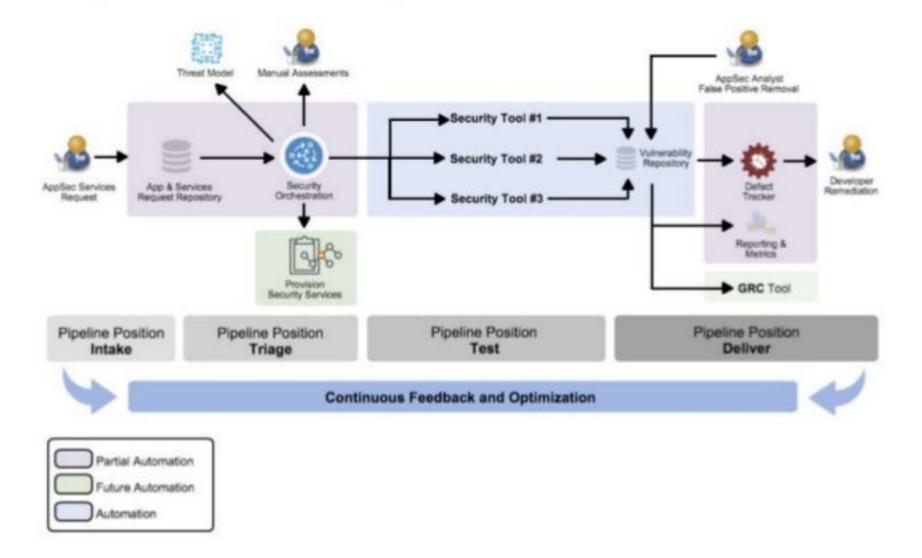


DevSecOps according to Coveros



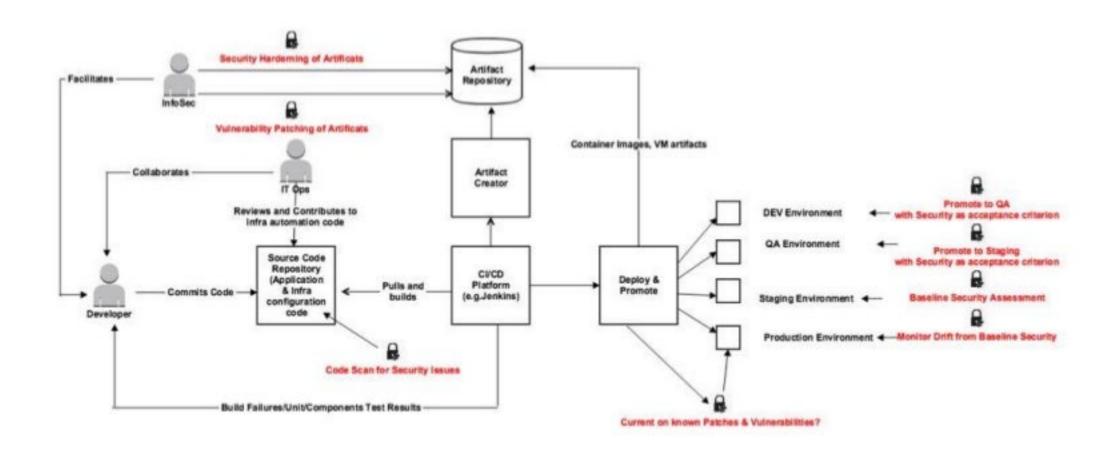


DevSecOps according to Aaron Weaver



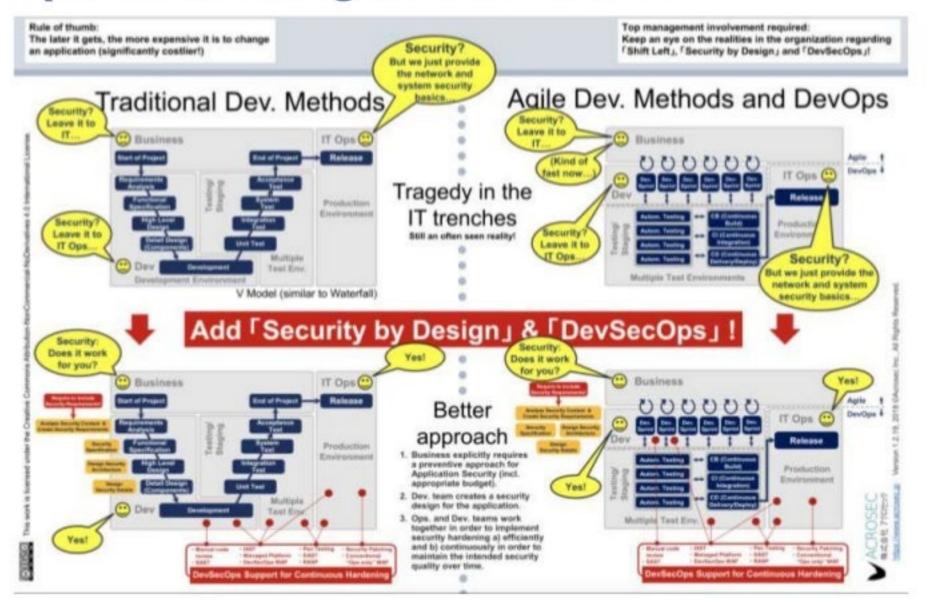


DevSecOps according to Dr. Ravi Rajamiyer



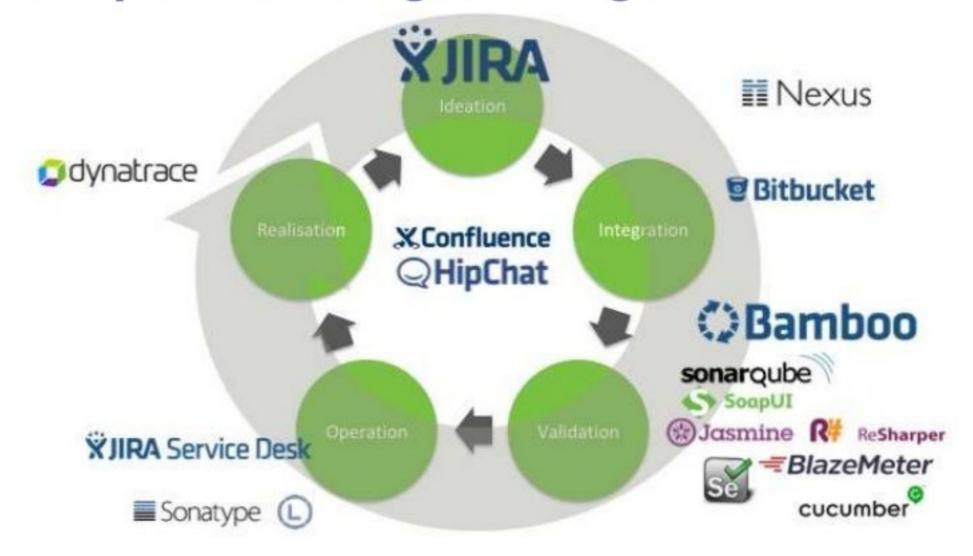


DevSecOps according to ACROSEC



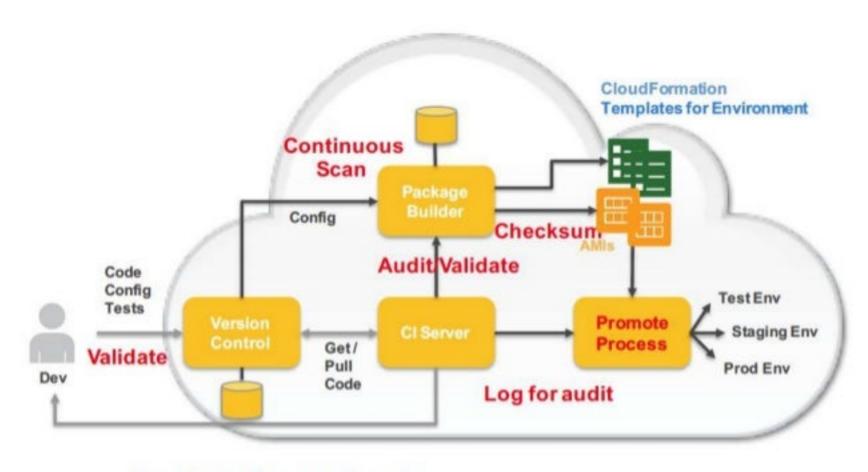


DevSecOps according to Ranger4





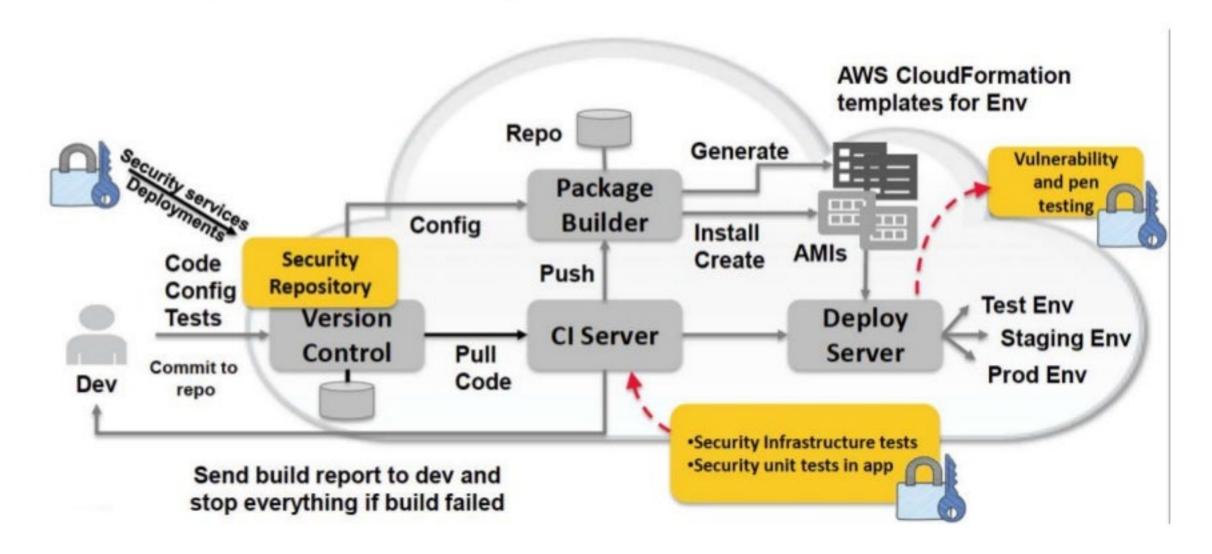
DevSecOps according to AWS



Send Build Report to Security Stop everything if audit/validation failed

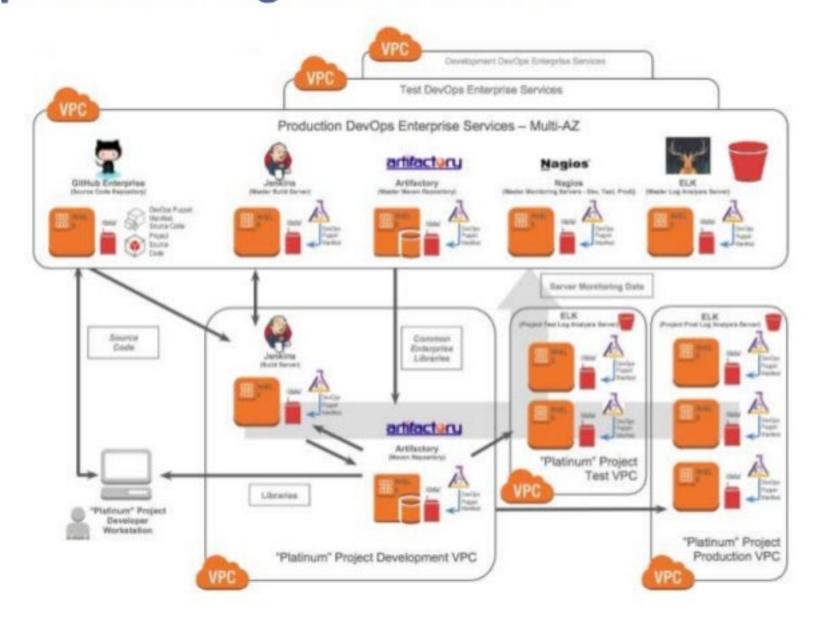


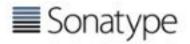
DevSecOps according to AWS



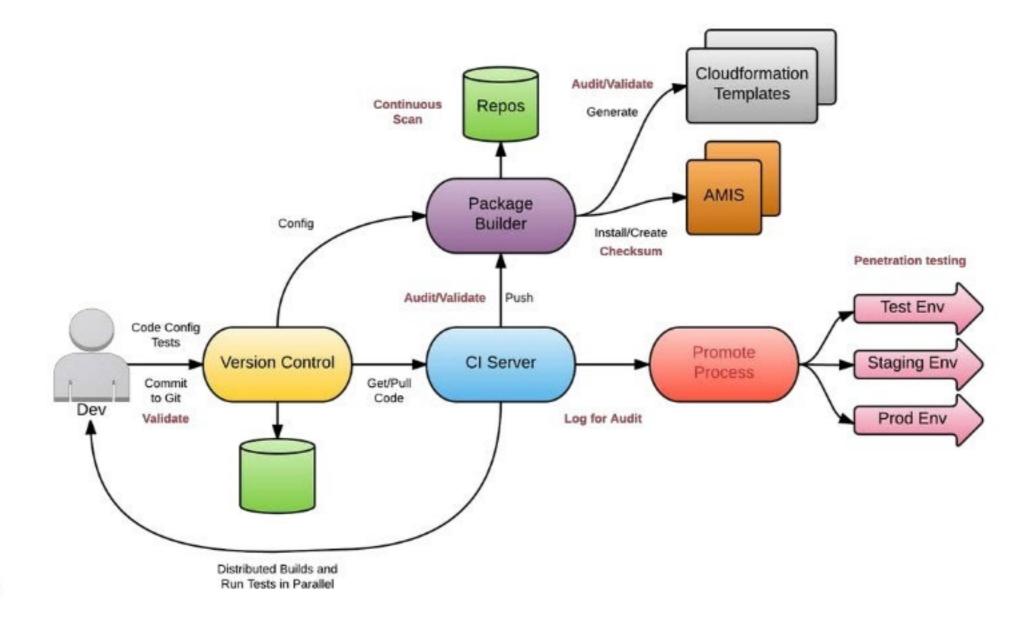


DevSecOps according to Accenture



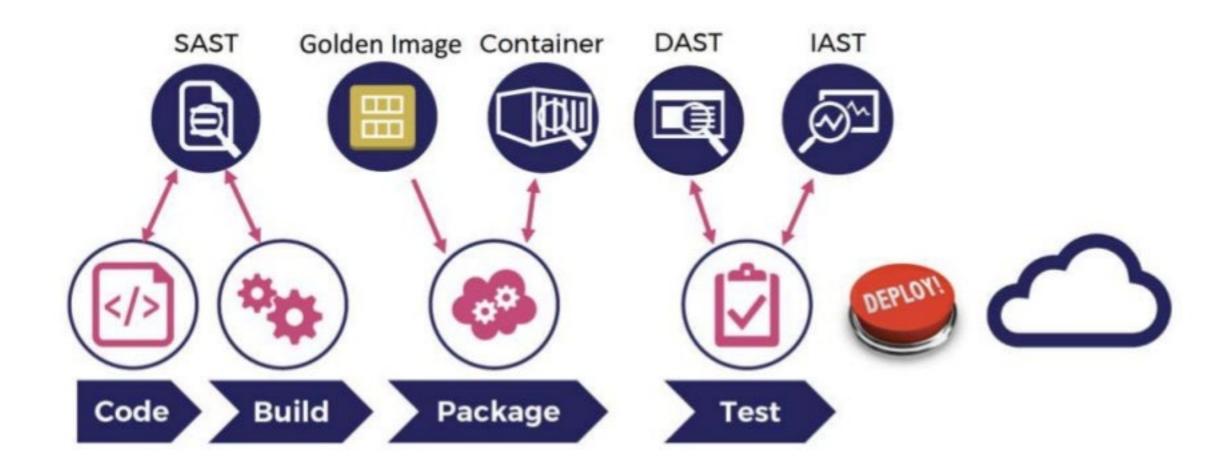


DevSecOps according to Shine Solutions



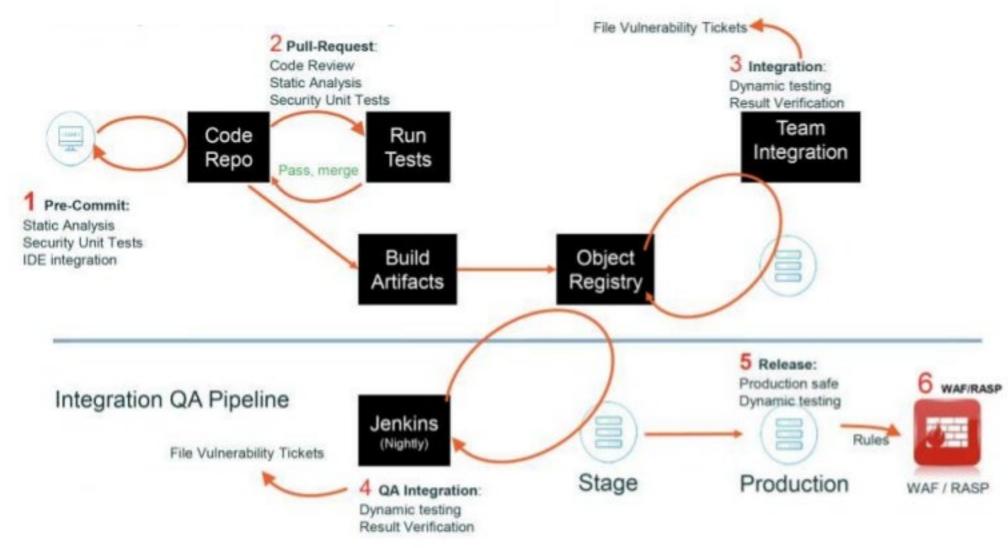


DevSecOps according to Ellucian





DevSecOps according to WhiteHat Security





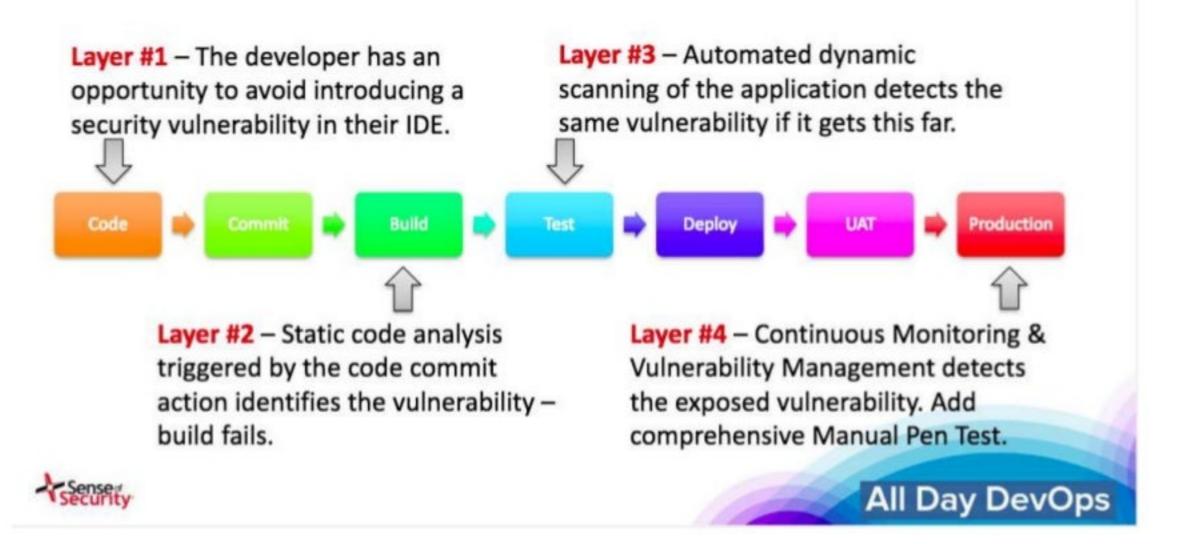
DevSecOps according to GSA

BUILD		TEST	DEPLOY	OPERATIONS
PLAN	CODE	(CI)	(CD)	SECURITY & MONITORING
JIRA Slack Trello	Ansible GitHub Jenkins	Jenkins Selenium	Ansible Jenkins Terraform CloudFormation	AMI ClamAV CloudWatch Nessus OSSEC SolarWinds

https://tech.gsa.gov/guides/building_devsecops_culture/



DevSecOps according to Sense of Security







We would love to add <u>your</u> DevSecOps reference architecture to this deck.

How?

- Send it to me (<u>weeks@sonatype.com</u>), with the subject line: DevSecOps reference architecture.
- Provide me link as to where people can find more information about the architecture (e.g., your blog, a video, a SlideShare deck).
- 3. I'll add it to this deck with full attribution to you, and let you know that it's been updated.

It's that easy. We all learn with help from the community. Thank you for your contributions!



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