



What Is DevSecOps?

linux_girl

July 8, 2021

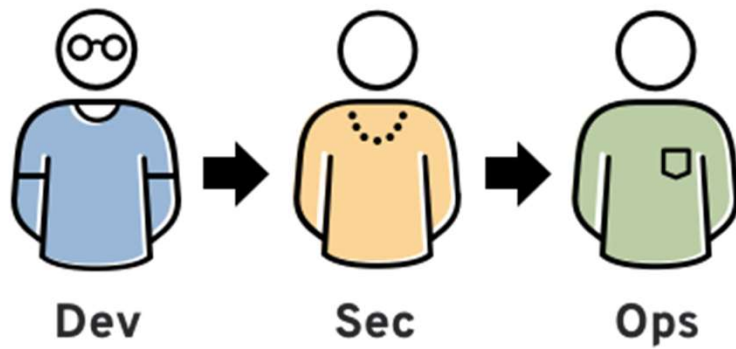


- Handle: linux_girl
- Cybersecurity engineer (one of my hats)
- Background: software engineering and cybersecurity
- Fun: travel and work out
- Volunteer – Women's Society of Cyberjutsu (WSC)

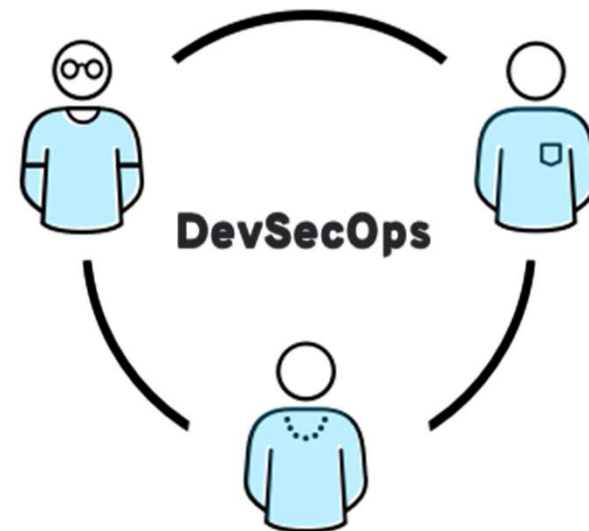


WOMEN'S SOCIETY OF
CYBERJUTSU

In the past.....



Now



Source: <https://www.redhat.com/en/topics/devops/what-is-devsecops>



DevSecOps != Service or Product

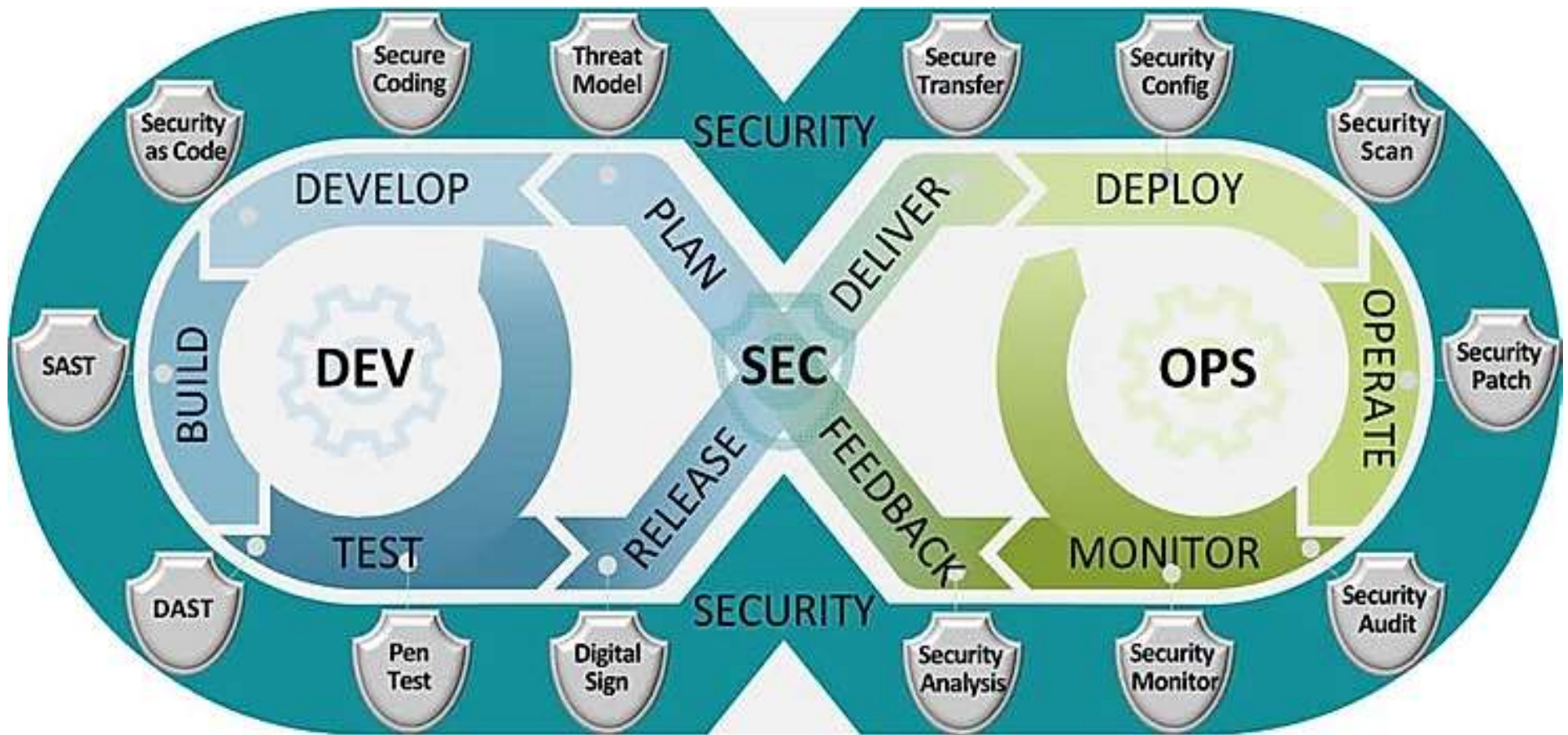
DevSecOps = A philosophy and framework.....

Shift Left, think about automation

DevSecOps

The process of getting all of your teams on the same page with cross-functional skill sets.

Security is a shared responsibility
Integrated from **End** to **End**
Thinking about application and
infrastructure security from the start....



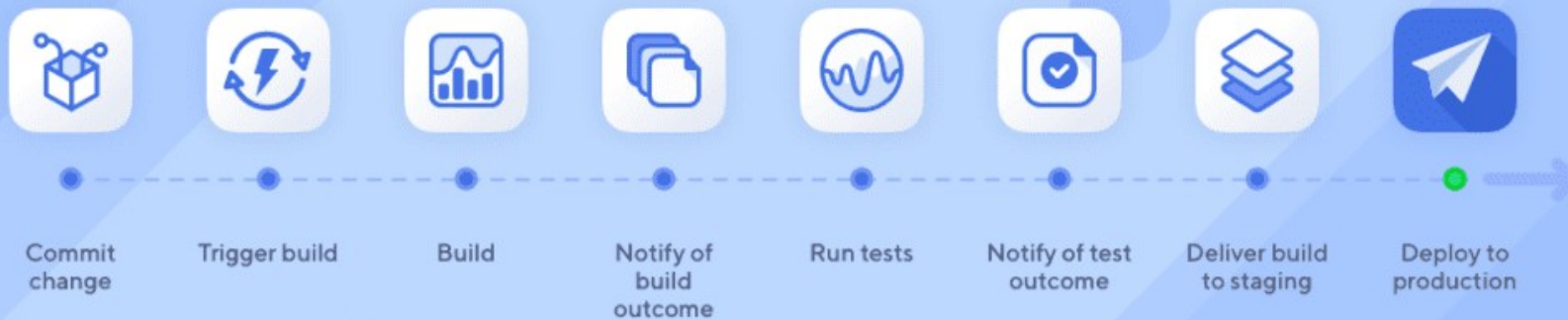
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Role of CI/CD Pipeline in DevSecOps

1. Continuous Integration (CI)
 - A. Continuous verify software integrity
2. Continuous Deployment (CD)
 - A. Deploy code and package for mass consumption
3. Setup a pipeline – for **automation**
4. Maintaining a DevSecOps philosophy can help ensure your CI/CD pipeline runs smoothly



CI/CD PIPELINE



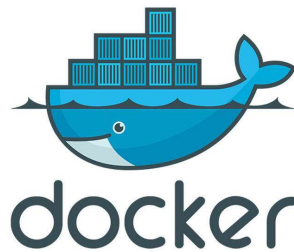
Source: <https://d1h3p5fzmizvp.cloudfront.net/wp-content/uploads/2019/08/29115129/CICD-pipeline-1024x354.png>

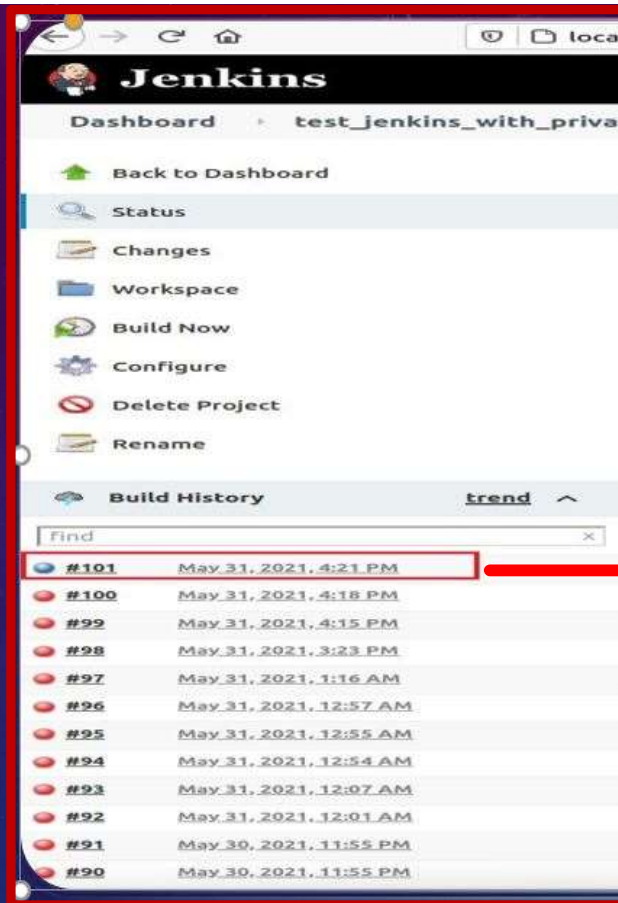
Why I
decided to
enroll in the
Caltech
DevOps post
graduate
program?

My company is
adopting the
DevSecOps
framework

I wanted to learn
what the DevOps
engineers are
doing

The Tools that We Learned (Nov 2020 – June 2021):





Yes! After
the 101st
build – I
got the
blue
bulb!!!

Well done! You've successfully completed this project.

Congratulations!! Your Project has been successfully evaluated and approved. All the screenshots attached were well explained and clear.

Thank You!!



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