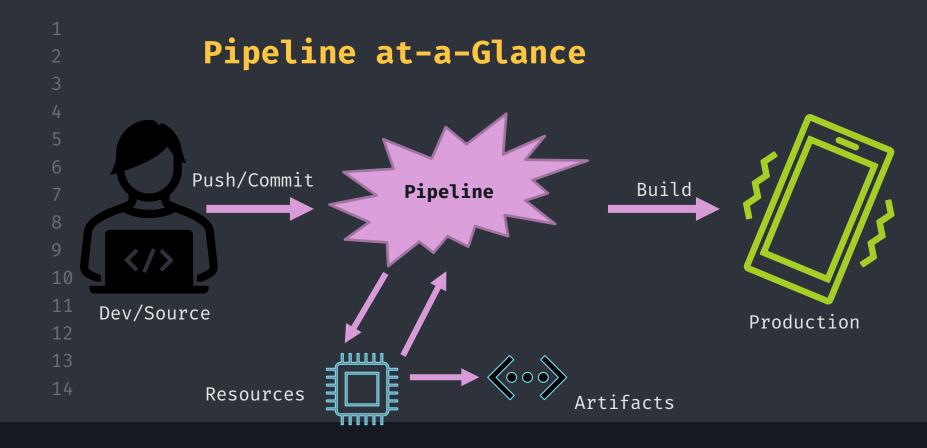
```
Antman &
The OWASP CI/CD Top Ten
< a dive into OWASP's latest work in reducing
vulnerabilities in application development >
```





```
Continuous Integration < /1 CI > {
        <- Developers frequently push code changes to a shared
        repository. Involves automated testing of code before
        merges to identify potential conflicts>
Continuous Deployment < /2> {
        < - Once that code is tested and merged, it is then</pre>
        deployed to a staging or production environment>
```



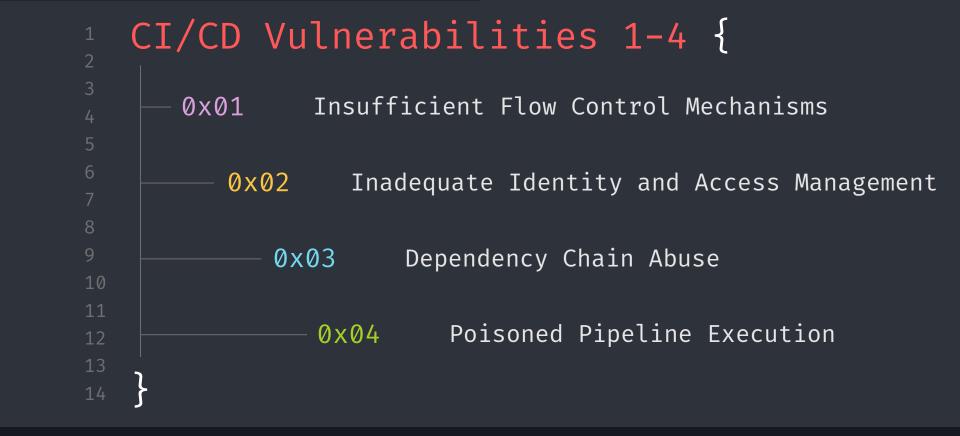


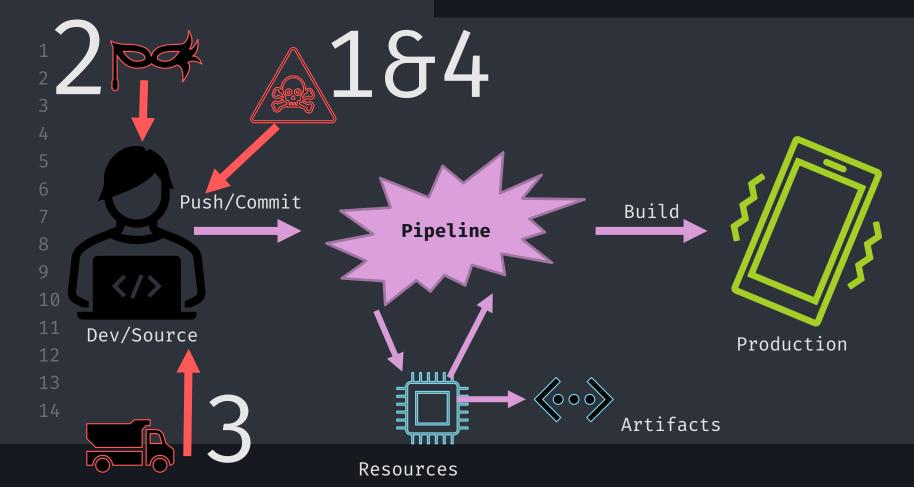
```
[OWASP]
          Who is OWASP?
          What are their Top Ten lists?
10
```

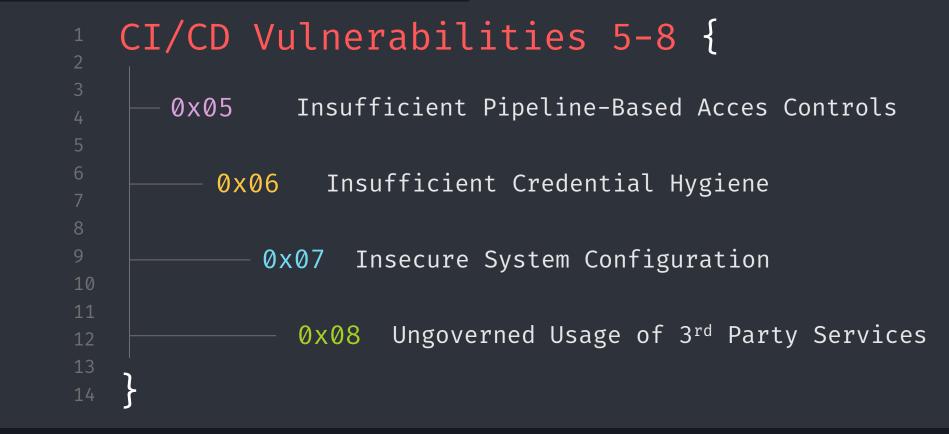
```
Who Is OWASP? {
   Open Web Application Security Project
    Non-Profit Foundation dedicated to improving the
    security of software.
    Through:
     Trainings
    - Publications
    - Projects
    - Local Chapters
```

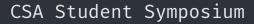
```
OWASP Top Ten Lists {
    Most Well Known:
    Web Application Vulnerabilities
                                 7. Identification and
     1. Broken Access Control
                                 Authentication Failures
     2. Cryptographic Failures
                                 8. Software and Data Integrity
     3. Injection
                                 Failures
     4. Insecure Design
                                 9. Security Logging and Monitoring
     5. Security Misconfiguration
                                 Failures
     6. Vulnerable and Outdated
                                 10. Server-Side Request Forgery
     Components
```

```
03
        [The CI/CD Top Ten]
        The Vulnerabilities
        How to (start to) Secure?
        Getting Started in pipelines
```

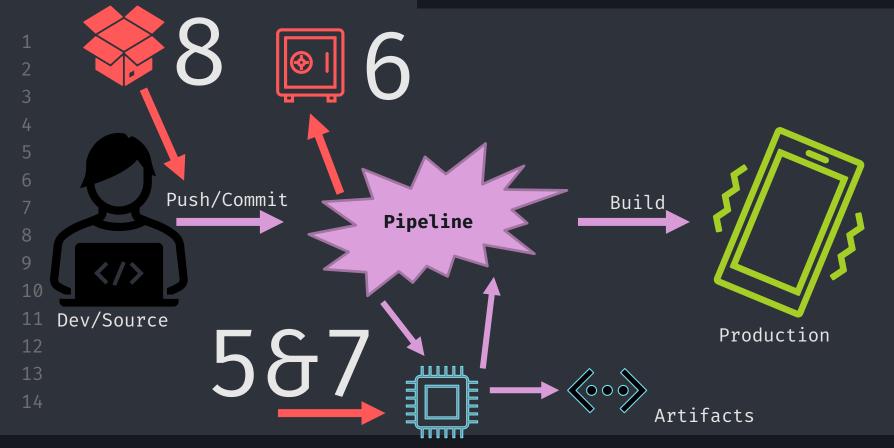




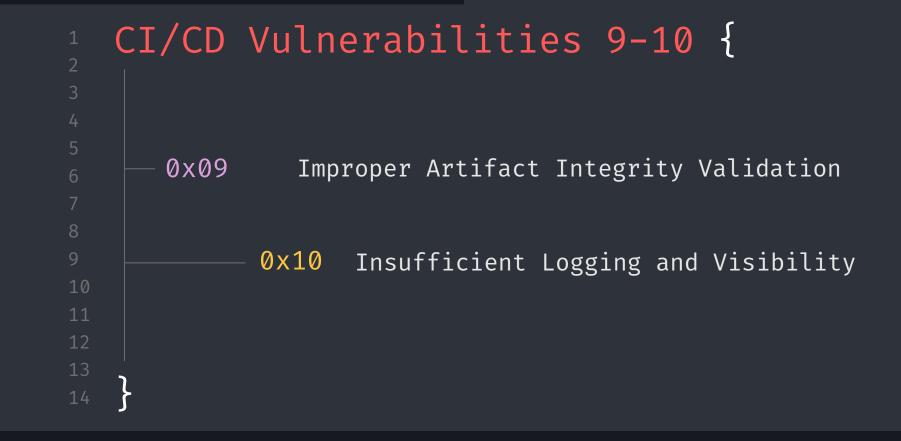


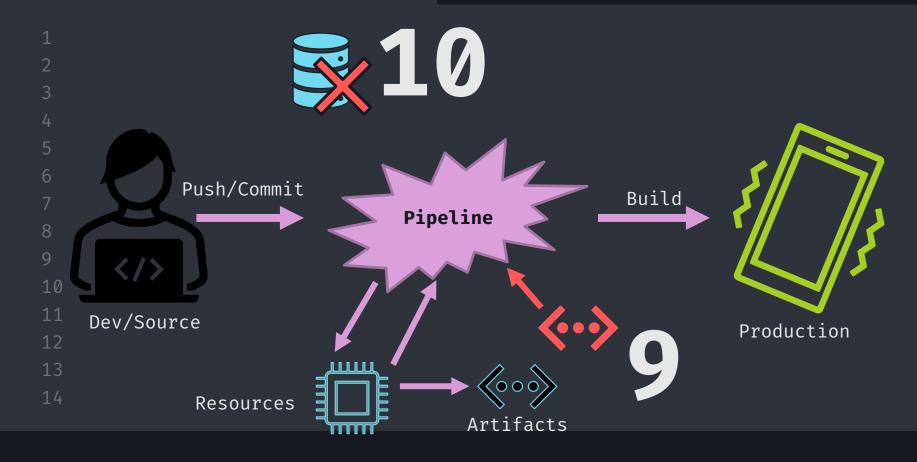


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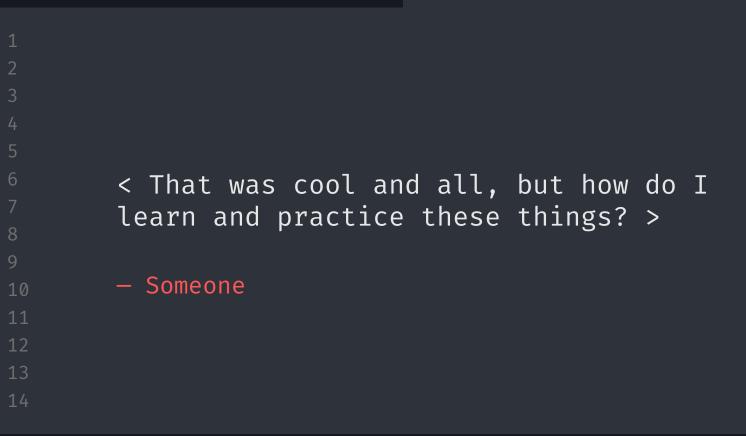


Resources



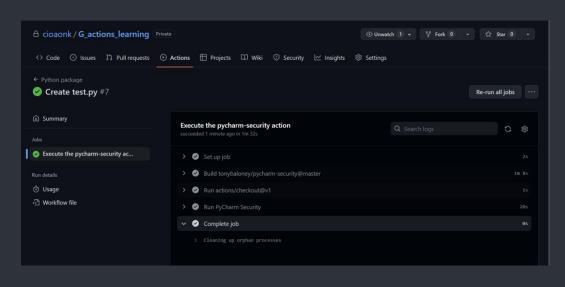


```
Quick & Dirty Security steps:
Really, it's just the basics,
done well & done comprehensively.
Those basics?
Principle of Least Privilege, Defense in Depth,
Understanding and enforcing a Trust Boundary.
```



CI/CD Implementations {

GitHub Actions Gitlab Pipeline CircleCI AWS CodePipeline Azure Pipelines



```
References & Acknowledgements {
  A huge thank you to
  Omer Gil, Daniel Krivelevich
  of Cider Security, and OWASP
```

```
The end; {
    Questions?
         Contact me:
         Email: icook@byu.edu,
         or slack: ian
                 CREDITS: This presentation template was
                 created by Slidesgo, including icons by
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                 Freepik
```