Intro to Pipeline Automation

This room provides an introduction to DevOps pipeline automation and the potential security concerns.

Task 2 DevOps Pipelines Explained

Question	Answer
Where in the pipeline is our end product deployed?	Environments

Task 3 Source Code and Version Control

Question	Answer
Who is the largest online provider of Git?	Github
What popular Git product is used to host your own Git server?	Gitlab
What tool can be used to scan the commits of a repo for sensitive information?	GittyLeaks

Task 4 Dependency Management

Question	Answer
What do we call the type of dependency that was created by our organisation? (Internal/External)	Internal
What type of dependency is JQuery? (Internal/External)	External
What is the name of Python's public dependency repo?	PyPi
What dependency 0day vulnerability set the world ablaze in 2021?	Log4j

Task 5 Automated Testing

Question	Answer
What type of tool scans code to look for potential vulnerabilities?	SAST
What type of tool runs code and injects test cases to look for potential vulnerabilities?	DAST
Can SAST and DAST be used as a replacement for penetration tests? (Yea,Nay)	Nay

Task 6 Continuous Integration and Delivery

Question	Answer
What does CI in CI/CD stand for?	Continuous Integration
What does CD in CI/CD stand for?	Continuous Delivery
What do we call the build infrastructure element that controls all builds?	Build Orchestrator
What do we call the build infrastructure element that performs the build?	Build Agent

Task 7 Environments

Question	Answer
Which environment usually has the weakest security configuration?	DEV
Which environment is used to test the application?	UAT
Which environment is similar to PROD but is used to verify that everything is working before it is pushed to PROD?	PreProd

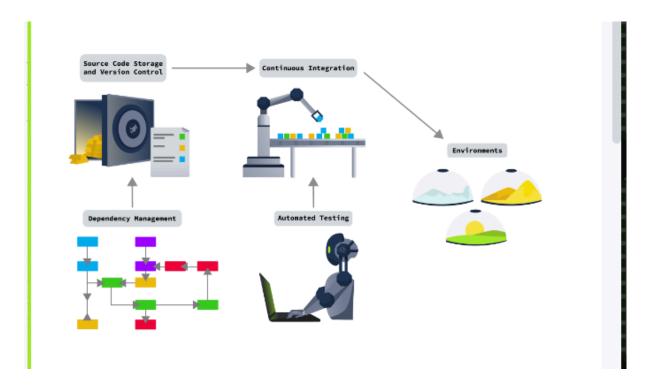
What is a common class of vulnerabilities that is discovered in PROD due to insecure code creeping in from DEV?

Developer bypasses

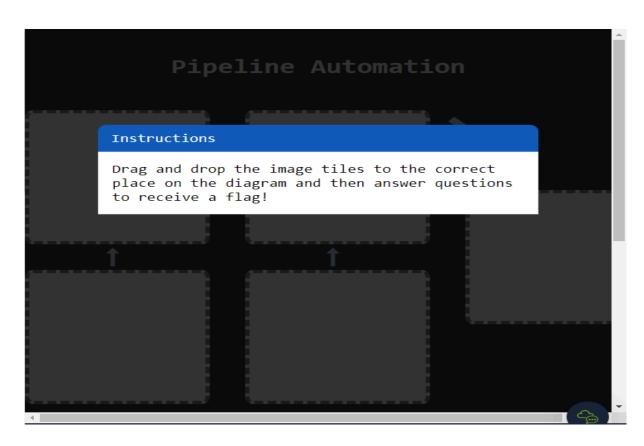
Task 8 Challenge

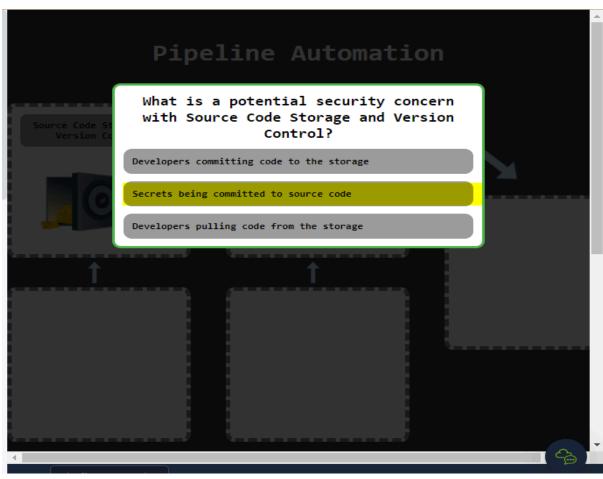
What is the flag received after successfully building your pipeline?

Answer: THM{Pipeline.Automation.ls.Fun}



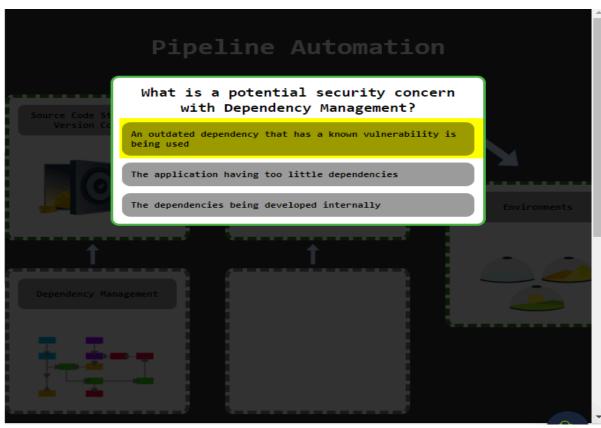
→ The following are answers to questions when i successfully placed each item in the right location

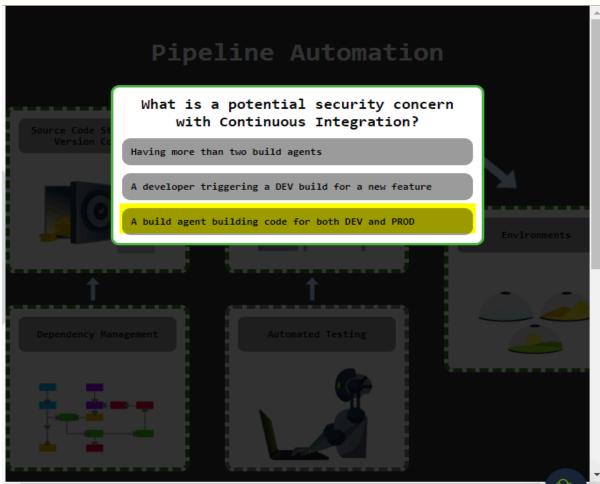




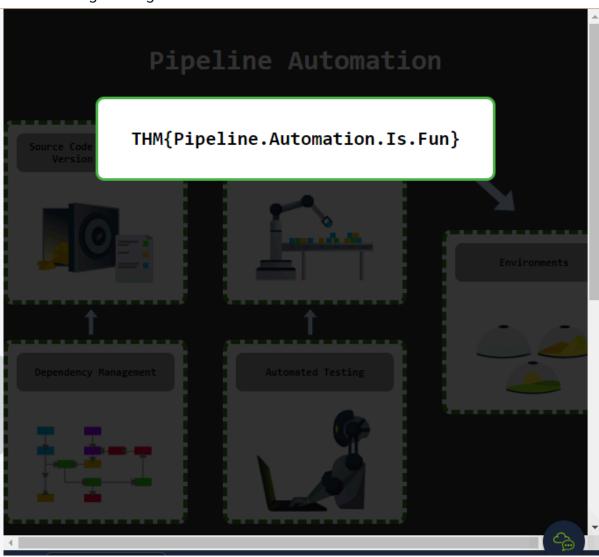








→ Getting the flag



END!!!