

# Introduction to DevSecOps

Learn about the story of DevSecOps, Software Development Models & Shifting Left.

## Task 2 DevOps: A New Hope

Question	Answer
What methodology relies on self-organising teams that focus on constructive collaboration?	Agile
What methodology relies on automation and integration to drive cultural change and unite teams	DevOps
What traditional approach to project management led to mistrust and poor communication between development teams?	Waterfall
What does DevOps emphasize?	Building Trust

## Task 3 The Infinite Loop

Question	Answer
What helps in adding tests in an automated manner and deals with the frequent merging of small code changes?	CI/CD
What process focuses on collecting data to analyse the performance and stability of services?	Monitoring
What is a way to provision infrastructure through reusable and consistent pieces of code?	IaC

## Task 4 Shifting Left

Question	Answer
What term is it used to describe accounting for security from the earliest stages in a development lifecycle?	shift left
What is the development approach where security is introduced from the early stages of a development lifecycle until the final stages?	DevSecOps

## Task 5 DevSecOps: Security Strikes Back

Question	Answer
What DevSecOps challenge can lead to a siloed culture?	Security Silos
What DevSecOps challenge can affect not prioritizing the right risks at the right times?	Lack of visibility
What DevSecOps challenge stems from needlessly overcomplicated security processes?	Stringent Processes

## Task 6 DevSecOps Culture

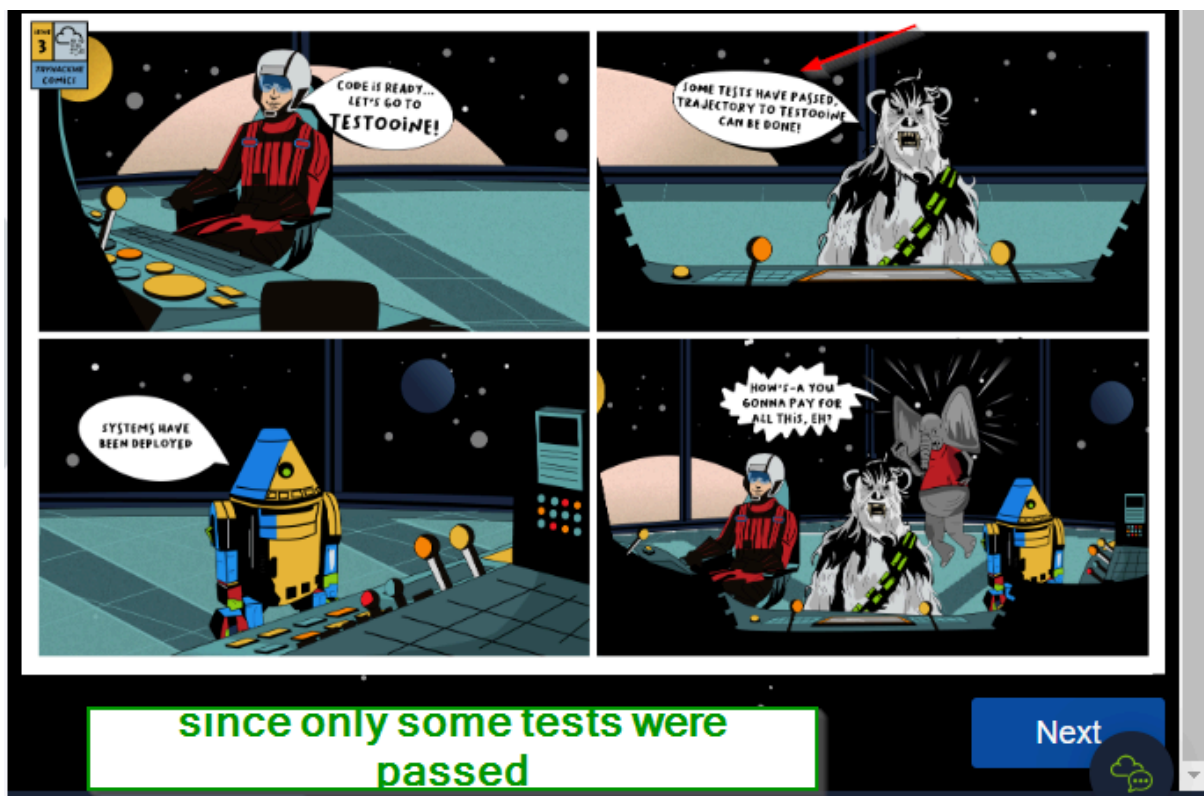
Question	Answer
How can you make security scalable so it's not left behind when start ups face hypergrowth or in large corporations?	Security Silos
How can you support teams in understanding risk and educating on security flaws?	Visibility and Transparency
What are key factors to successfully instill security in the development process by accounting for flexibility?	understanding and empathy

## Task 7 Exercise: Fuel Trouble

What Software Development Model did the team in Comic 1 follow?

Answer: **Waterfall**

- The comic depicts a scenario in which the team decides to move to Testooine based on some tests having passed, even though not all tests have been completed.
- In the Waterfall model, each phase must be completed before the next phase can begin, but there is frequently pressure to go forward after only completing some of the needed steps, rather than ensuring that all prerequisites are met.
- This can result in incomplete testing, as represented in the comic.



What Software Development Model did the team in Comic 2 follow?

Answer: **Agile**

- The comic showcases Agile principles through its adaptive planning, responsiveness to change, collaborative decision-making, and continuous assessment and improvement.

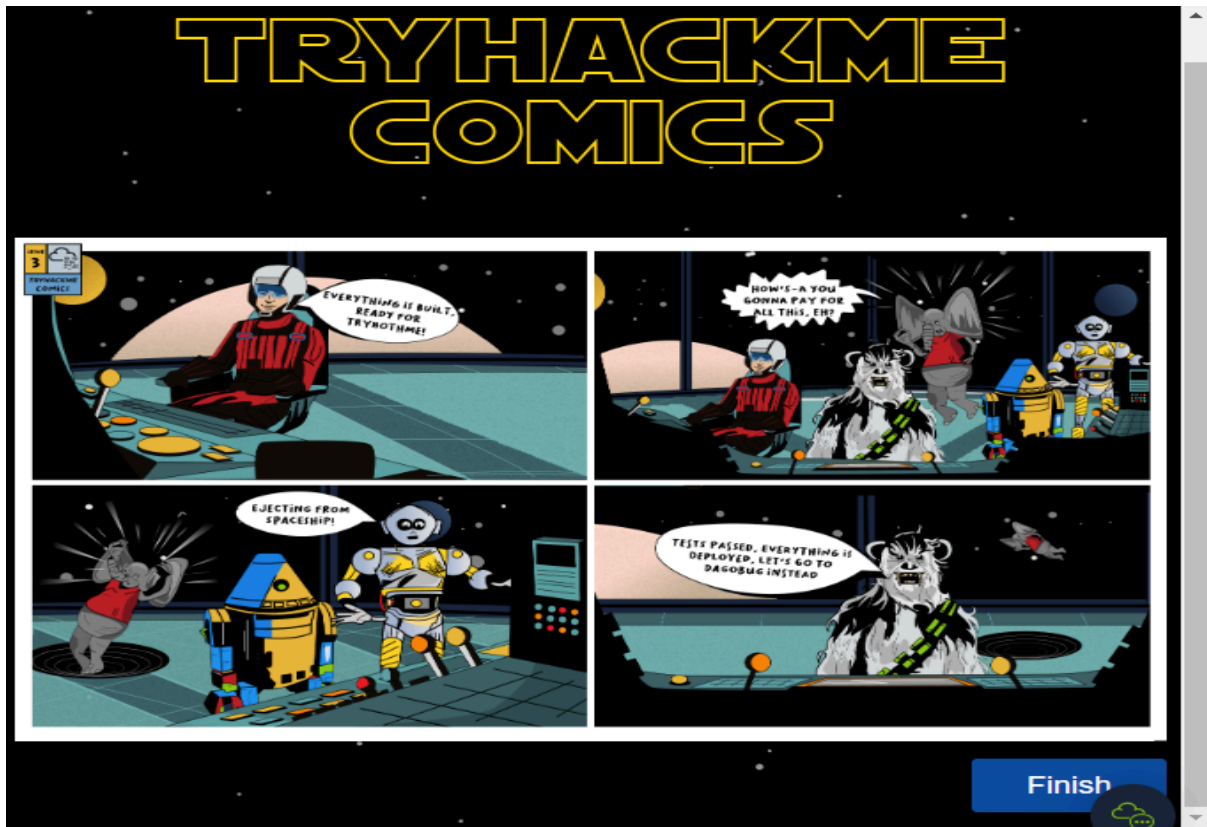
- The team was able to change the course as needed. However, tests were missing, and the planet still wasn't the best option



What Software Development Model did the team in Comic 3 follow?

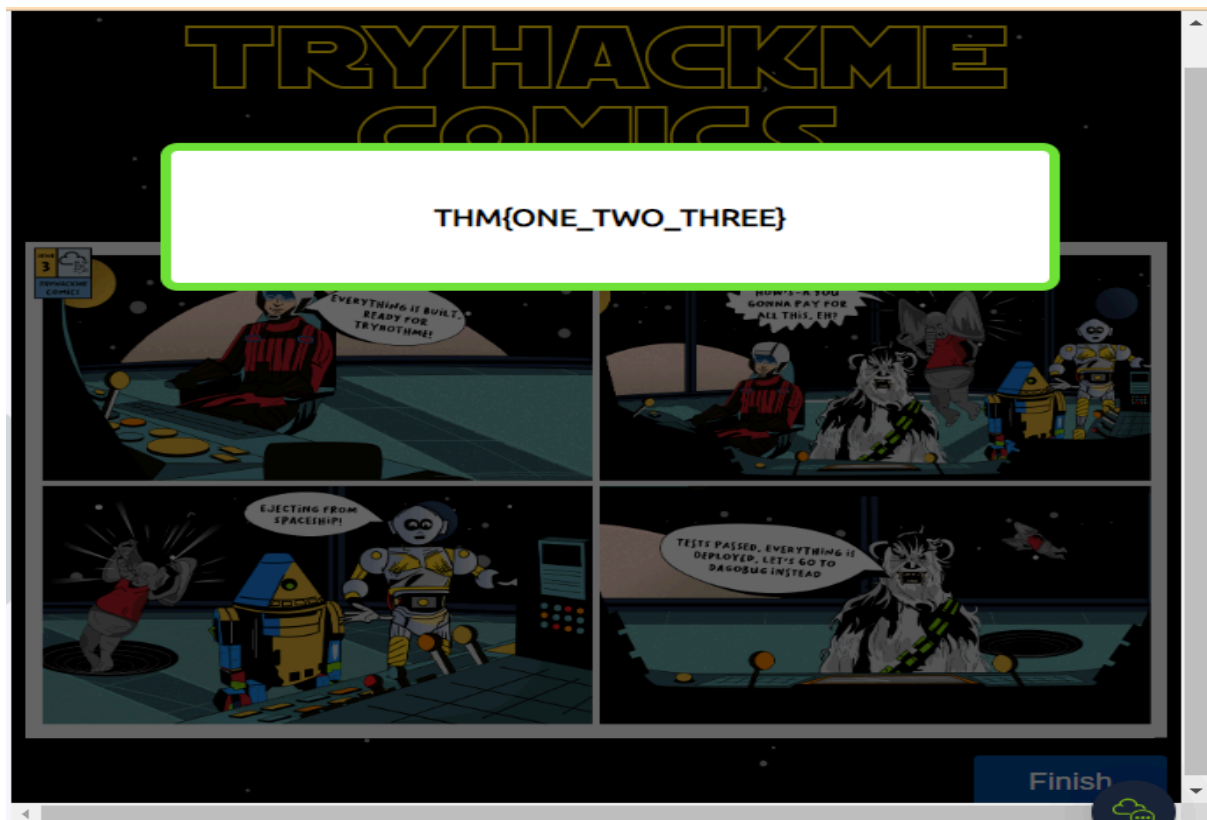
Answer: **DevOps**

- The team was able to address issues from the start, and carry out better tests to find the least risky planet to travel.



What is the flag?

Answer: `THM{ONE_TWO_THREE}`



END!!!