

Jesutofunmi Adeboye



# SECTION 1

## WHAT IS DEVOPS?



**DEVOPS FROM  
ZERO TO HERO**

Jesutofunmi Adeboye



**Note Writer**



**Note Distributor**





**Developers (Dev)**



**Operations (Ops)**

# What Is DevOps?

## My Definition

DevOps is a way of working where the people who build software and the people who run the software work together as one team to deliver updates faster and with fewer problems.

## Standard Definition

DevOps is a set of practices and a culture that brings software development (Dev) and IT operations (Ops) together to work as one team, in order to build, test, deploy, and maintain software faster, more reliably, and continuously.



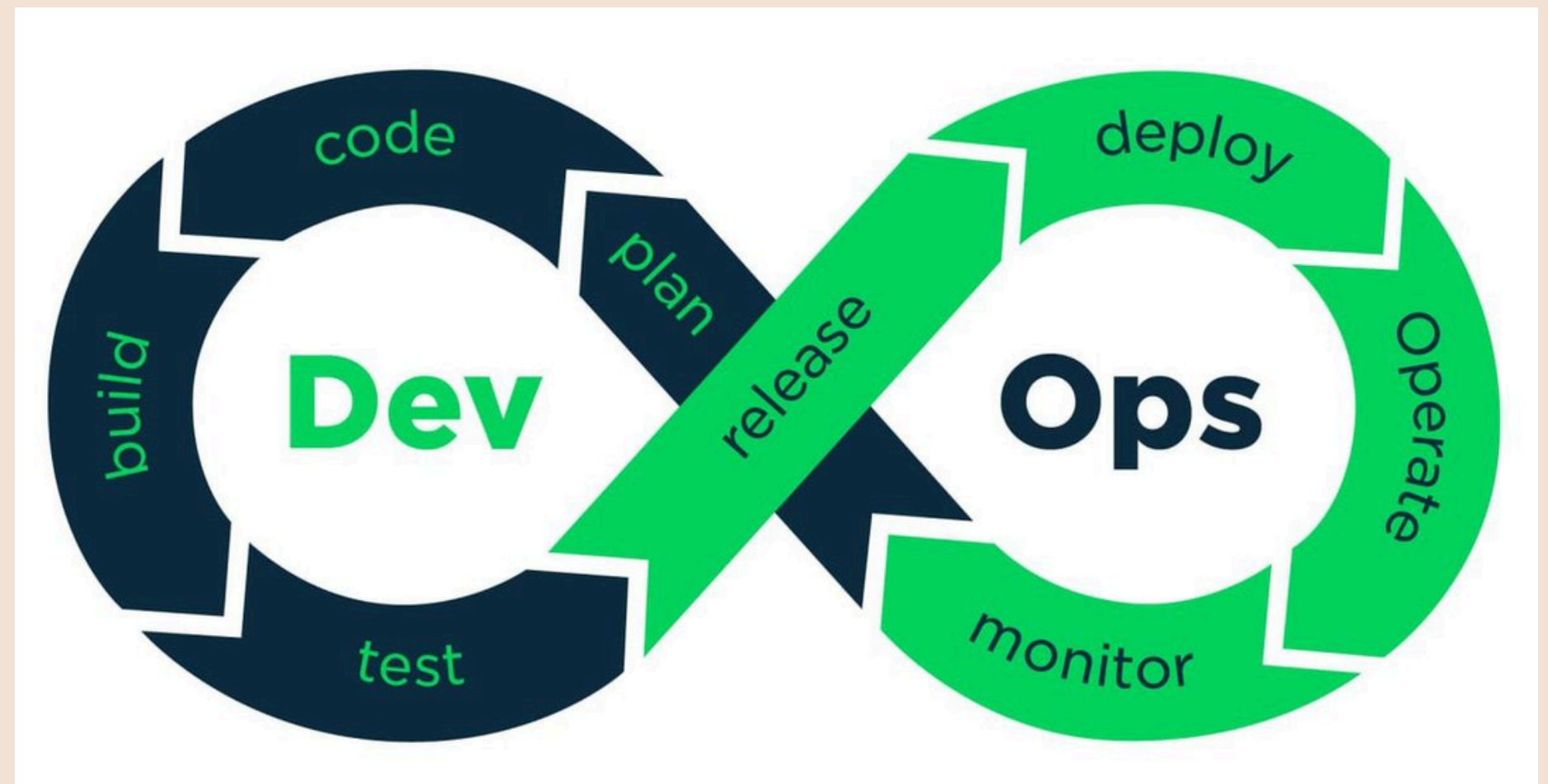
# Who are “Dev” and “Ops”?

## Dev (Developers)

- Write code
- Build new features
- Fix bugs

## Ops (Operations)

- Manage servers
- Deploy the application
- Keep the app running (no downtime)



## Before DevOps

- Code worked on developer's computer but broke on the server.
- Deployments were done manually, slow, and often caused errors.
- Teams were afraid to release updates because it could break things.
- Developers and operations blamed each other when problems happened.
- Apps couldn't handle more users easily; scaling was hard.

## After DevOps

- Automation: Code is tested and deployed automatically, reducing errors.
- Collaboration: Developers and operations work together as one team.
- Continuous Delivery: Updates can be released safely and frequently.
- Shared Responsibility: Everyone takes ownership of the system, reducing blame.
- Scalability: Infrastructure can automatically handle more users.
- Monitoring: Problems are detected quickly and fixed before users notice.



END OF SECTION

Jesutofunmi Adeboye