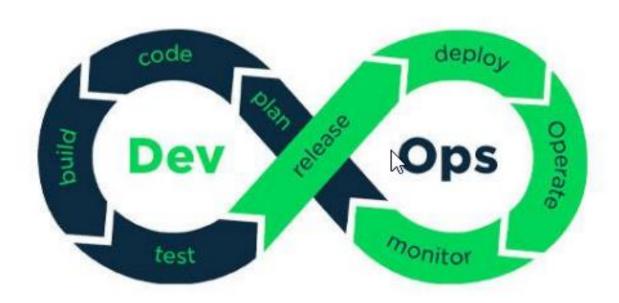# Introducing DevOps

AGENDA:

- What is DevOps?

- Benefits of DevOps

- Time comparison with & without DevOps

What is DevOps?

- DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity

Benefits of DevOps:

▶ Speed: We do not need to use developers to performs daily tasks

▶ Rapid Delivery: Automatization makes release quicker

▶ Reliability: Ensure the quality of the process, reduce human errors

▶ Scale: If releases demand increase not extra time is needed

▶ Security: You can perform scan of vulnerabilities in every iteration

Time spent in taking care of these tasks:

	Without DevOps	With DevOps
Code	-	-
Code Review	5 mins	Manual + CI
Compile/Lint	5 – 10 mins	CI
Merge/Integrate	5 – 10 mins	CI
Run Unit Test	5 – 10 mins	CI
Run Integration Test	5 – 10 mins	CI
Scan Dependency Security	5 – 10 mins	CI
Deploy to Test Env	10 – 30 mins	CD
Team Test	10 – 20 mins	CD
Create Infrastructure	10 – 30 mins	CD
Deploy to Production	10 – 30 mins	CD
Smoke Test in Prod	5 – 10 mins	CD
Rollback	10 – 30 mins	CD
Promote to Prod	10 – 20 mins	CD
TOTAL	**95 – 225 mins**	**0 mins**

Thanks you