CONTINUOUS DELIVERY

FUNDAMENTALS & BENEFITS

WHAT IS CI/CD

- **Continuous Integration** : This is a development practice that requires developers to integrate code into a shared repository several times a day.
- **Continuous Deployment :** A software engineering approach in which the value is delivered frequently through automated deployments.
- **Continuous Delivery :** This is an engineering practice in which teams produce and release value in short cycles.

BENEFITS OF CI/CD ?

TECHNICAL LANGUAGE	VALUE	TRANSALTION
Catch compile errors after merge	Reduce cost	Less time spent by developer in fixing issues from new code.
Detect Security vulnerabilities	Avoid cost	Avoid embarrassing security holes and maintain customers trust.
Automate infrastructure creation	Avoid cost	Less error. Faster deployments.
Automated smoke tests	Protect Revenue	Reduced downtime in production.
Faster and more frequent deployments	Increase Revenue	New value-generating features released quickly.
Automate Infrastructure cleanup	Reduce cost	Less infrastructure cost from unused resources.
Catch unit and integration tests failures	Avoid cost	Less bug in production and less time testing.


WHER DO WE WANT TO GO
&
HOW ?

- HAVE CONTINUOUS INTEGRATION IN PLACE
- DEVELOPMENT AND OPERATIONS SHOULD WORK WELL TOGETHER
- TREAT INFRASTRUCTURE AS A CODE ARTIFACT
- AUTOMATE THE ENVIRONMENT CREATION PROCESS
- AUTOMATE THE RELEASE PROCESS
- INCLUDE RELEASE TO DEFINITION OF DONE
- RELEASING SHOULD BE ON DEMAND
- EVERYONE HAS ACCESS TO LATEST RESULTS
- EVERYONE CAN SEE EVERYTHING


THANK
YOU