



WHY ci/cd IS IMPORTANT

FOR UDAPEOPLE



WHAT IS CI/CD

CI/CD(CONTINUOUS INTEGRATION AND DEVELOPMENT) IS A SOFTWARE ENGINEERING APPROACH WHICH EMCOMPASSES THE PRACTICE OF MERGING ALL DEVELOPERS' WORKING COPIES TO A SHARED MAINLINE SEVERAL TIMES A DAY AND THE VALUE IS DELIVERED FREQUENTLY THROUGH AUTOMATED DEPLOYMENTS.



BENEFITS?

- 1 LESS TIME TO MARKET
- 2 LESS DEVELOPER TIME ON ISSUES FROM NEW DEVELOPER CODE
- 3 LESS BUGS IN PRODUCTION AND LESS TIME IN TESTING
- 4 REDUCED DOWNTIME FROM A DEPLOY-RELATED CRASH OR MAJOR BUG
- 5 LESS INFRASTRUCTURE COSTS FROM UNUSED RESOURCES



BENEFITS CONT'D

Less time to market

CI/CD WILL HASTEN THE TIME TO MARKET BY REMOVING AS MUCH MANUAL CHECKS AS POSSIBLE WHEN SHIPPING PRODUCT TO PRODUCTION. WHICH IS A WAY TO **INCREASE REVENUE**

Less developer time on issues from new developer code

ONE WAY TO **REDUCE COST** IS TO CATCH ERRORS IMMEDIATELY AFTER MERGE AND INFORM THE DEVELOPER TO MAKE NECESSARY ADJUSTMENTS.

Less bugs in production and less time in testing

ONE OF THE BENEFITS OF CI/CD IS AUTOMATED UNIT TESTING OF CODE BEFORE DEPLOYING WHICH IS A VERY GOOD WAY OF **AVOIDING COST**

BENEFITS CONT'D

Reduced downtime from a deploy-related crash or major bug

WHEN SMOKE TESTS ARE
CONDUCTED
AUTOMATICALLY WITH
CI/CD, MAJOR BUGS
WOULD HAVE BEEN
REMOVED BEFORE
DEPLOYING. THIS REDUCES
DOWNTIME WHICH
PROTECTS REVENUE

Less infrastructure costs from unused resources

ANOTHER WAY TO
REDUCE COST IS TO HAVE
AN AUTOMATED
INFRASTRUCTURE
CLEANUP WHICH HELPS
REMOVE UNUSED
INFRASTRUCTURE
WHICH HELPS CUT COST.

UDAPEOPLE 

THANK YOU