

Foundational Pillar to reach the market faster

## AGENDA

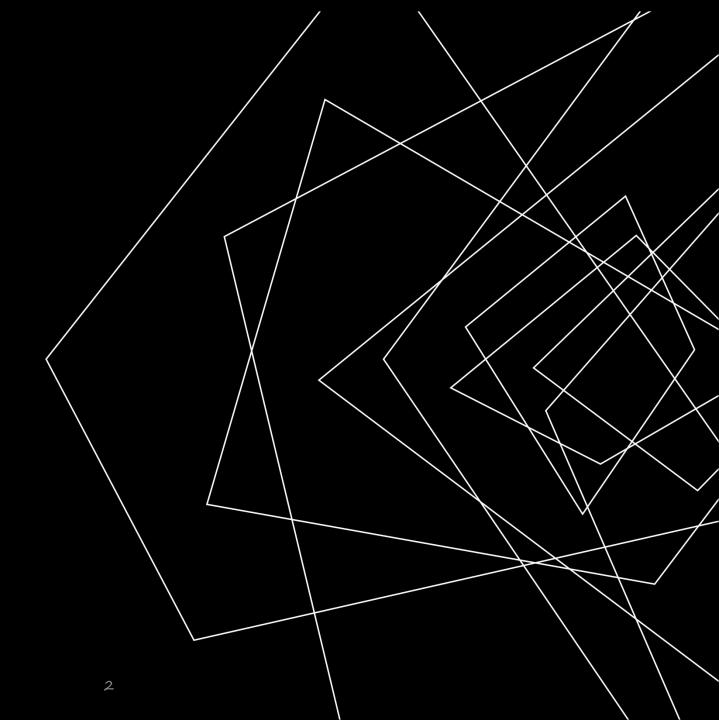
CI/CD What? Why? How?

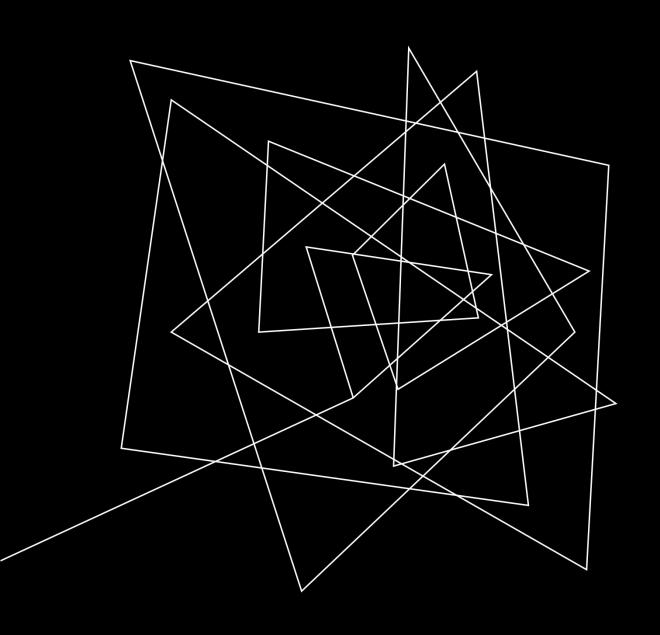
Stakeholders' language

Some CI/CD tools

Summary

Resources and Questions



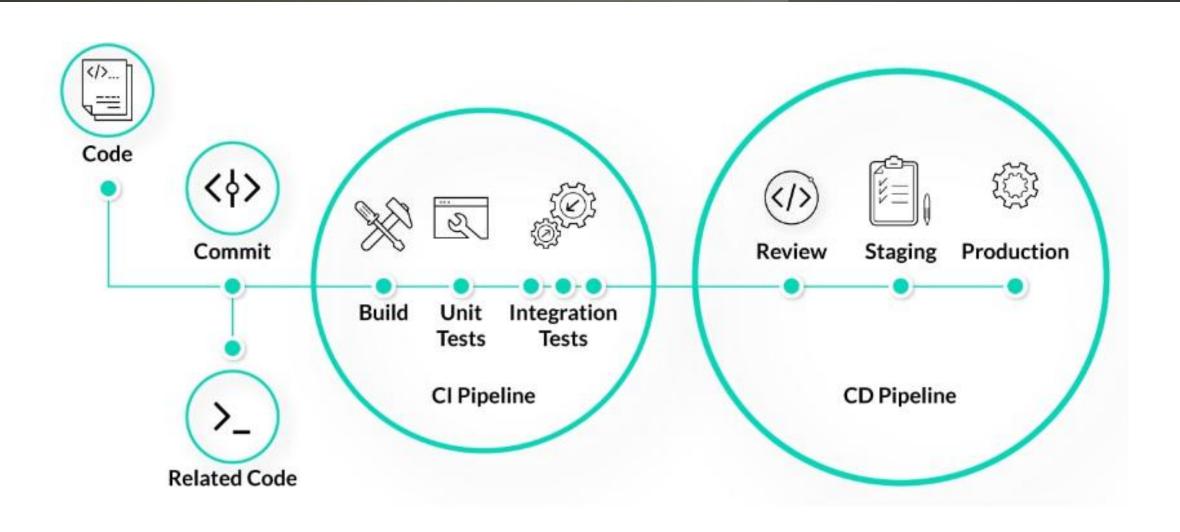


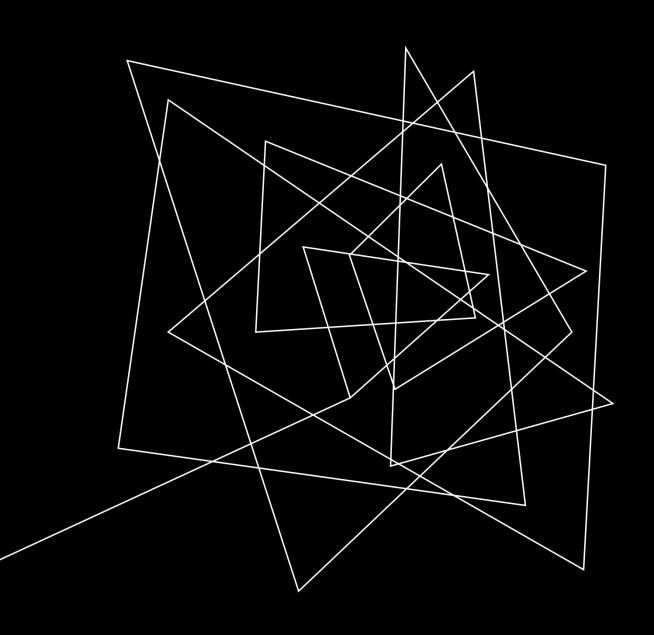
# CI/CD PIPELINES

WHAT?

## WHAT IS CI/CD?

- Continuous Integration
- Continuous Deployment
- · Continuous Delivery



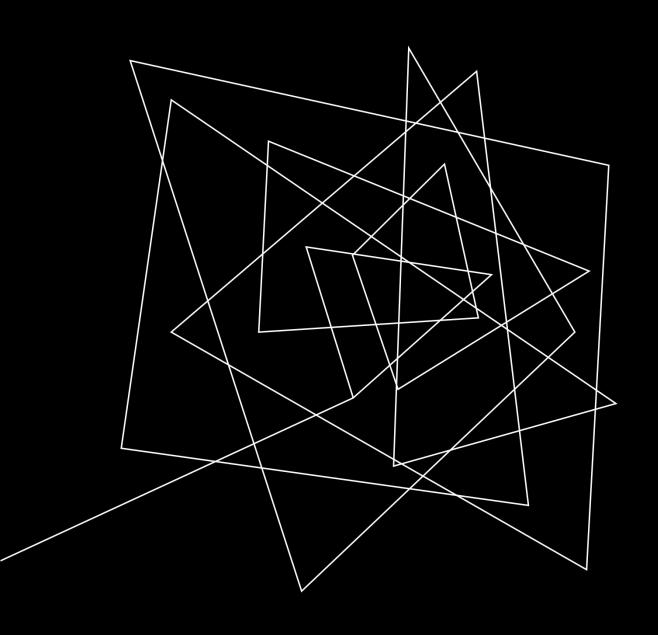


# CI/CD PIPELINES

WHY?

### WHY IMPLEMENT CI/CD PIPELINES?

Technical Language	Value	Translation
Catch Compile Errors After Merge	Reduce Cost	Less developer time on issues from new developer code
Catch Unit Test Failures	Avoid Cost	Less bugs in production and less time in testing
Detect Security Vulnerabilities	Avoid Cost	Prevent embarrassing or costly security holes
Automate Infrastructure Creation	Avoid Cost	Less human error, Faster deployments
Automate Infrastructure Cleanup	Reduce Cost	Less infrastructure costs from unused resources
Faster and More Frequent Production Deployments	Increase Revenue	New value-generating features released more quickly
Deploy to Production Without Manual Checks	Increase Revenue	Less time to market
Automated Smoke Tests	Protect Revenue	Reduced downtime from a deploy-related crash or major bug
Automated Rollback Triggered by Job Failure	Protect Revenue	Quick undo to return production to working state



# CI/CD PIPELINES

HOW?

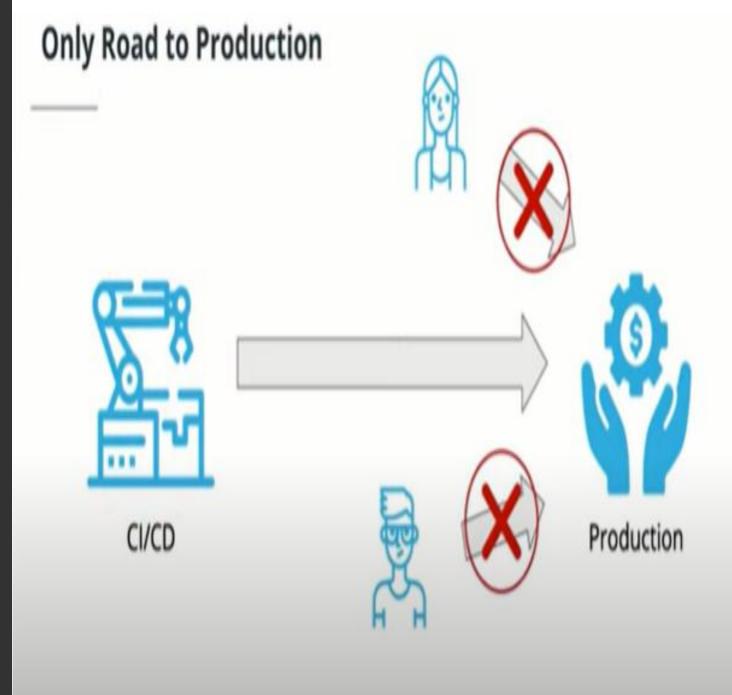








# CI/CD BEST PRACTICES



"IF IT CAN BE AUTOMATED, AUTOMATE IT."









Avoid Cost

## SPEAKING STAKEHOLDERS' LANGUAGE

## CI/CD TOOLS





Bamboo Atlassian



Gitlab Community
Gitlab



Gitlab Gitlab



Team City JetBrains



Travis Cl Travis Cl



Team Foundation MSepsycefit



Circle Cl Circle Internet Services

#### SUMMARY

As a foundation pillar of DevOps, we managed to know what is CI/CD, why do we need CI/CD and how to implement it.

In the end we had a quick overview of some CI/CD tools.



RESOURCES



# THANK YOU YOUR QUESTIONS ARE MORE THAN WELCOME

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