

CI\CD FOR UDAPEOPLE

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AGENDA

Introduction to CI\CD

Primary goals

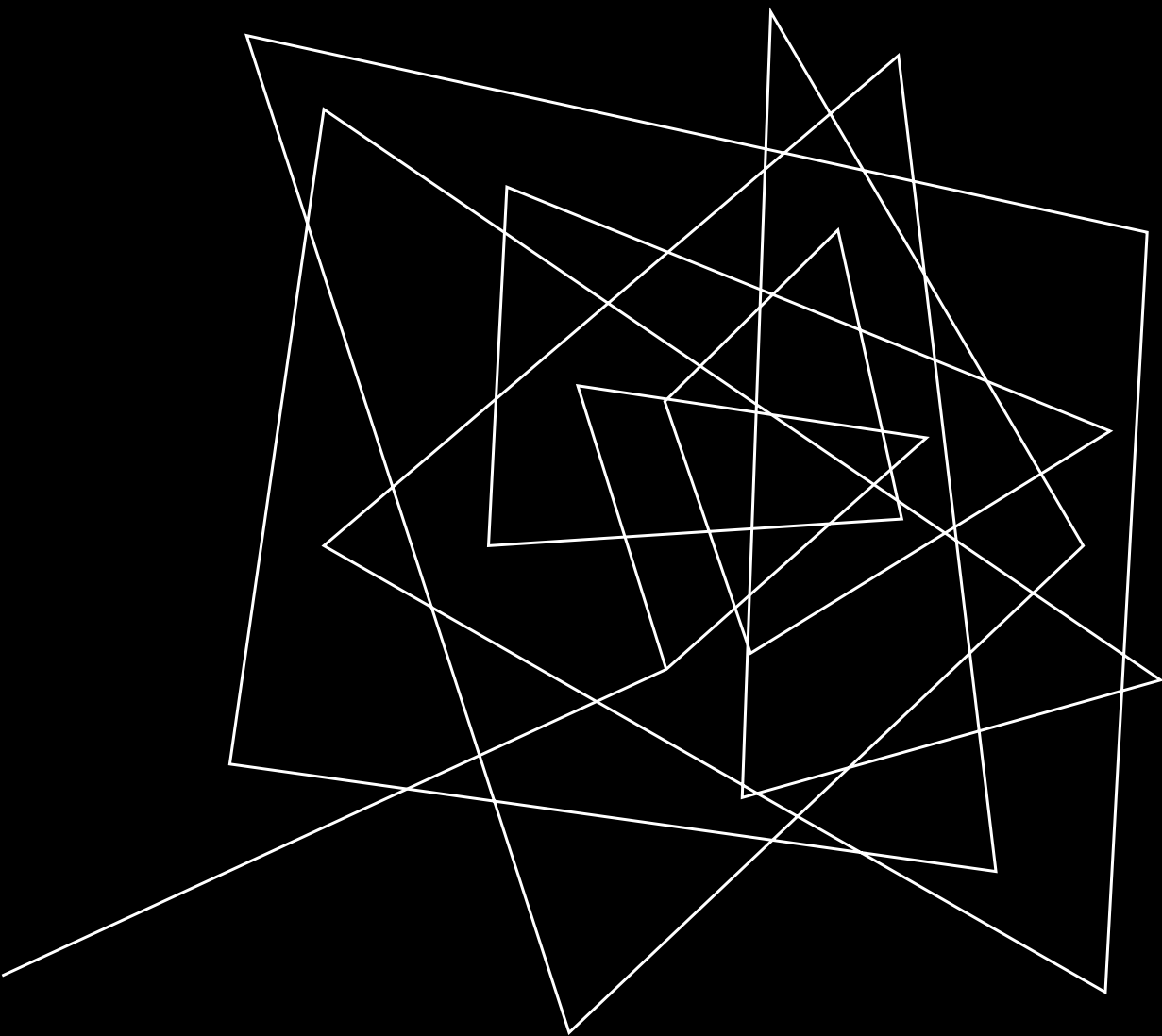
Areas of growth

Summary

INTRODUCTION TO CI\CD

Continuous + Continuous = Continuous
Integration Deployment Delivery

- CI stands for Continuous integration it's the practice of merging all developers' working copies to a shared mainline several times a day.
- CD stands for Continuous Delivery is an engineering practice in which teams produce and release value in short cycles.
- And In order to reach Continuous Delivery we need continuous deployment which a software engineering approach in which the value is delivered frequently through automated deployments.



PRIMARY GOALS

Annual revenue growth

AREAS OF GROWTH WITH CI\CD

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

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THANK YOU