INTRODUCTION TO CI/CD

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Fundamentals and benefits of CI/CD to achieve, build, and deploy automation for cloudbased software products.

Agenda
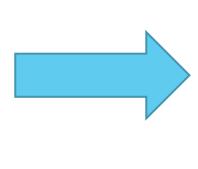
- ▶ CI/CD Overview
- • Continuous Integration (CI)
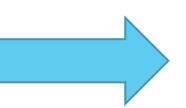- • Continuous Deployment (CD)
- ▶ Benefits of CI/CD

WHAT IS CI/CD

CI: Continuous integration

Purpose: Application do not break after new merging

CI: Continuous integration

Automation testing

Automated release process and automatic deploy to production

Benefits of CI/CD

1 **Higher efficiency**

2 **Reduced risk of defects**

3 **Faster product delivery**

4 **Log generation**

5 **Quick rollback if required**

6 **Better planning**

7 **Efficient testing & monitoring**

8 **Cost-effectiveness**