

Introduction CI/CD



Course Agenda

- ✓ What is CI/CD
- ✓ What is the business benefits of CI/CD
- ✓ Conclusion;

What is CI/CD

- ❖ Continuous integration/continuous delivery (CI/CD) is a software development practice that combines development and operations teams and their day-to-day tasks. It applies automation to developing, testing, and delivering applications.

CI/CD Pipeline

- ❖ CI/CD pipelines are a series of steps that must be completed to deliver a new software release
- ❖ The CI/CD pipeline typically breaks down into the following stages:
 - ✓ Build
 - ✓ Test
 - ✓ Release
 - ✓ Deploy
 - ✓ Validate

Benefits of CI/CD



- ❖ Bring Products to Market Faster
- ❖ Allows Developers to Deliver Products Consumers Want Now.
- ❖ CI/CD enables organizations to respond to consumer needs as they evolve.
- ❖ CI/CD plays a crucial role in shortening time to value.
- ❖ CI/CD supports customer outcomes from a technical standpoint.
- ❖ Boosts DevOps efficiency
- ❖ CI/CD Improves App Quality
- ❖ Supports Cloud-Based App Development
- ❖ Reduce Costs and Boost Profits
- ❖ Gain Real-Time Visibility of the Development Process

Conclusion

- ❖ The benefits of CI/CD impact all ends of the development lifecycle, the customer experience, and the big-picture business strategy.
- ❖ It plays a critical role in software development and delivery and helps smaller teams move faster, respond to constant changes, and incorporate real time feedback—all of which contribute to cost savings, profitability, and a higher-quality end-product.

Thank you

