

# UDAPEOPLE

Why should you start using CI/CD ?

# WHAT IS CI/CD ?

- ▶ CI/CD is a two-step process that dramatically streamlines code development and delivery using the power of automation. CI makes developer tasks like source code integration and version control more efficient so software can get into production faster. CD automates software testing and deployment. Together, CI/CD is a powerful and unmatched engine of modern software development and it has untold benefits for businesses

# IMPORTANCE OF CI/CD FOR THE BUSINESS:

- ▶ Superior Quality Code
- ▶ Accelerated Release Cycles
- ▶ Cost Deduction
- ▶ Easy Maintenance & Updates

# SUPERIOR QUALITY CODE

- ▶ Developers release code into a shared repository in small batches, which enables them to conduct parallel testing. Rather than working in isolation, they share their builds with the entire team frequently. Teams collaborate to identify critical bugs, which ensures that bad code does not make it to production. Thus CI/CD implementation drives business growth by providing high-quality releases that have fewer errors and bugs.

# ACCELERATED RELEASE CYCLES

- ▶ With CI/CD, you can visualize the development cycle from commit to production, continuously merge code, and repair detected bugs. You can release software to production multiple times after thorough testing without compromising quality parameters. CI/CD always keeps the code in a release-ready state as changing code frequently is more of a routine now in modern software development.

# COST DEDUCTION

- ▶ As per one of the recent Forbes Insights surveys, “Three out of four executives agree that the amount of time, money, and resources spent on ongoing maintenance and management—versus new project development or new initiatives—is affecting the overall competitiveness of their organization.”
- ▶ Delivering high quality tailor-made solutions to address business-specific challenges requires a way to meet the rapid time constraints imposed by rivals. Embracing CI/CD is the perfect fix to shorten the time to finish a project and market new features. The shorter the development cycle, the higher the chances are to meet ambitious time-to-market goals.

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# EASY MAINTENANCE & UPDATES

- ▶ Downtime often results in irreparable damage to customer trust and the company's reputation. Catching bugs in the early stages of deployment helps you fix the bugs promptly without any delay in shipping the build. While testing takes place in the background, developers can save a lot of time, which enhances productivity.