

Revolutionizing HR with CI/CD

AGENDA

Explain what CI/CD is and why it's relevant for software development

Highlight the importance of software development in the HR industry and how UdaPeople can benefit from adopting CI/CD

Preview the benefits of CI/CD for the organization and the main points that will be covered in the presentation

What is CI/CD?

Definition:

"Continuous Integration and Continuous Deployment (CI/CD) is a software development practice that helps organizations automate the software development process and reduce the time and effort required to deliver software."

Workflow:

- Code is committed to a source control repository
- Automated tests are run to ensure code quality
- The code is built and packaged
- The packaged code is deployed to a testing environment
- If the tests pass, the code is deployed to production

Benefits:

- Faster time-to-market
 - Improved software quality
 - Lower risk of bugs and downtime
 - Increased collaboration and efficiency among teams
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Benefit of CI/CD

Reduce Cost

- Less developer time on issues from new developer code
- Less infrastructure costs from unused resources

Avoid Cost

- Less bugs in production and less time in testing
- Prevent embarrassing or costly security holes
- Less human error, Faster deployments

Increase Revenue

- New value-generating features released more quickly
- Less time to market

Protect Revenue

- Reduced downtime from a deploy-related crash or major bug
- Quick undo to return production to working state



Lesson from Google

Before CI/CD	After CI/CD
<p>Prior to implementing CI/CD, Google's software development process was slower and more error-prone. Developers had to spend a lot of time manually testing and deploying their code, which resulted in delays and errors.</p>	<p>After implementing CI/CD, Google's software development process became more streamlined and efficient. Developers were able to build, test, and deploy their code more quickly and with fewer errors. This allowed Google to release new features and updates to its products more frequently and with greater confidence.</p>

Conclusion

CI/CD will benefit our company in many situations.

Implement it right now!

