

SOFTWARE DESIGN FOR UDAPEOPLE

Fundamentals and Benefits of CI/CD to
Achieve, Build, and Deploy Automation for
Cloud-Based Software Products

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BENEFITS OF CI/CD

- For the development of our UdaPeople Product, we would need to adopt the CI/CD framework. This will not only provide a speedy delivery of the product to our clients, but the product will be free from a deploy-related crash or a major bug which could have led to dissatisfaction from our customers and clients.

We will be focusing on the following 5 benefits of CI/CD pipelining and explain the benefits we are sure to accomplish if CI/CD is approved

1. Increased Company Revenue
2. Faster Product Delivery time
3. Cost Reduction
4. Increase Profit
5. Avoids Maintenance Delay

FUNDAMENTALS OF CI/CD

Continuous Integration(CI) is the practice of merging all developer's working copies to a shared mainline several times a day. CI handles events that has to do with code.

Continuous Deployment (CD) A software engineering approach in which the value is delivered frequently through automated deployments. Everything concerning the deployment of the artifact fits.

Some of the benefits include the following

- Less developer time on issues from new developer codes.
- Less bugs in production and less time in testing.
- New value-generating features released more quickly.
- Reduced downtime from a deploy related crash or major bug
- This would reduce cost immeasurably because of the lesser time spent on issues.
- This would help to avoid costs substantially.
- This would increase revenue because more features in UdaPeople product would be released frequently. Which provided satisfaction within our customer base and even outside of our customer base.
- A reduced downtime period protects our revenue on the long run.

THANK YOU FOR YOUR ATTENTION

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