



Project Name and Description

- Our Development team and the Operations team share updates with each other monthly
- There is still a gap in information sharing as well as a lack of coordination between the team.
- To resolve this, I propose we implement CI/CD.

Project Purpose/Goal

With CI/CD

- Codes are shared repository.
- Different people can work on the same code at the same time.
- CI (Continuous Integration) – Several updates can be made to the codes in a day.
- CD (Continues Delivery) – Process automation. No manual deployment, test and debugging.
- Faster, more efficient process.
- Faster feedback and debugging and error fixing.

Success & Risk Factors

Success

- Commit, Build, Testing and Deployment can be done automatically and seamlessly.
- Reduced time spent debugging errors and deploying codes.

Risk

- Only two members of the have a good knowledge of Jenkins.
- Need to train all the other members of the team.

Cost

- To mitigate the cost, we can use open-source tool like Jenkins for our CI/CD process.
- The training cost involved will be \$1,500 per person, making \$15,000 for ten members of the team.

Summary

Cost

- \$15,000 (10 @ \$1,500 each)

Savings

- 20 hours/week spent on debugging and another 20 hours spent in traditional deployment.
- At a rate of \$100 per hour, we will save \$4000 per week or \$48,000 per year.

This is more than our one-time cost of \$15,000. So, I believe CI/CD will be highly beneficial to our team.