CI/CD PROPOSAL

Here are some disadvantages of a traditional integrator or deployment system compared to a automated CICD system

More cost

- It takes many steps to be able to deploy the application, because there are errors in the deployment process, it is the reason why we spend a lot of time and money.

Profit lost

- Taking a long time to deploy the application makes us take a long time to reach customers, thereby losing business opportunities.

- When the application encounters an error, the development team will not notice it, thus disrupting the use of the customer.

What is CI

- Continuous integration (CI) is a software development process where teams integrate code early and often into a central repository where they can run frequent tests and validate changes.

Business Benefits of CI

Cost reducing

- The CI process stands to dramatically reduce the likelihood that any bugs or errors slip through the cracks and cause problems down the line. Done right, this practice can lower development costs by eliminating many of the costs while building and testing code changes.

- CI reduces the amount of time spent on bug fixes and regression testing and ensures that everyone has a deep understanding of what's happening inside the codebase and what features they're developing for end-users.

Prevent lost

- Speed up the release process by enabling teams to identify and fix problems early in the development lifecycle.

What is CD

- Continuous Delivery (CD) is the practice of getting all updates, fixes, features, and configuration changes either into production or into the hands of end-users as quickly (and safely) as possible.

Business Benefits of CD

Cost reducing

- Allows teams to streamline development, reduce risk, and deploy faster user feedback, limiting losses during deployment.

- Teams spend less time on testing and bug fixes, meaning organizations spend less money on tasks that don't provide any value to the business or its customers

Prevent lost

- With error reporting, if any bugs are found during production, they can be resolved by rolling out the next update. Help increase user experience and avoid loss of money.

Technology stack

- [Ansible](#): Ansible can help you demonstrate value, connect teams, and deliver efficiencies for your organization

- [Cloudformation](#): Speed up cloud provisioning with infrastructure as code

- [Prometheus](#): Power your metrics and alerting with the leading open-source monitoring solution

- [Circleci](#): Continuous Integration and Delivery