

#### Automated Product Delivery with CI/CD

Achieving build and deploy automation within our company's products through the use of CI/CD brings numerous benefits.



# Continuo Integratio n

The practice of regularly integrating the work of all developers into a shared main branch. This is known as "Continuous Integration" or "Making."

All aspects of the code, including testing and analysis, are included in this process, with the ultimate goal of producing a high-quality, ready-to-deploy product.

#### Some common CI phases include:

- Compiling the code
- Running unit tests
- Performing static analysis
- Checking for vulnerabilities in dependencies
- Storing the final artifact.

# Continuo US Liploym ent

CI/CD is a software development approach that emphasizes frequent, automated delivery of new features and updates. It includes all aspects of moving an artifact from development to deployment without manual intervention. Common phases include creating and configuring infrastructure, promoting to production, verifying functionality through smoke testing, and implementing rollbacks in case of failures.

## Benefits usiness Level

CI/CD is a cost-effective approach to software development.
Benefits include:

Automating infrastructure creation to reduce human error and speed up deployments

Faster and more frequent production deployments to increase revenue

Automated smoke tests to reduce downtime and protect revenue.

## Benefits usiness Level

CI/CD can help detect security vulnerabilities to prevent costly breaches. It also allows for more efficient deployment to production without manual checks, leading to faster time to market and increased revenue. Additionally, it can detect security vulnerabilities early on, avoiding costly breaches and protecting the company's reputation.



### Thank you





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