
Benefits of Continuous Integration and Deployment

Chigozie Madubuko

What does CI/CD mean?

- **Continuous Integration:** The practice of merging all developers' working copies to a shared mainline several times a day. The developer's changes are validated by creating a build and running automated tests against the build.
- **Continuous Deployment:** A software engineering approach in which the value is delivered frequently through automated deployments. It ensures that code is well tested and performs reliably in a production-like environment before it ever reaches an end user

Benefits for Business

Increase Revenue:

- Valuable features are released more quickly
- Less time to market due to increase in release cycles

Reduce Cost:

- Developers spends less time on bugs and fixing issues.
- Reduce infrastructure cost from unused resources

Benefits for Business

Protect Revenue:

- Downtimes from reduced from deployment related crash and bugs
- Undoing bad deployment to last working state becomes easy

Avoid Cost:

- Less human errors and deployment becomes faster
- Embarrassing and costly security errors are prevented

THANK YOU

Chigozie Madubuko

