

Benefits of CI/CD:

During the product development process, it is inevitable that unexpected errors will occur. CI/CD helps us to detect errors almost immediately after the developer has finished writing the code.

Detecting errors right away brings a lot of benefits, avoiding errors for users, reducing costs due to coding time and having to fix it many times, when an error code is released bring very serious consequences, adversely affect the company, lose trust with customers, incur additional costs leading to competition, moreover, it is very difficult to fix the code after it has been released. The use of CI/CD will avoid all risks.

With the above issues, the benefits of using CI/CD are undisputed. Not only reducing costs incurred due to errors, it can also increase revenue for the company when the product launch process takes place quickly, receives quick evaluation from customers, and soon makes improvements to customers. products and even make recommendations to customers.

CI/CD with automatic error detection eliminates human error. Before I implemented CI/CD, almost everything involved human intervention, the problem was having to rummage around to find and fix bugs, think of a product with a lot of potential bugs. how dangerous it would be to hide, but when implementing CI/CD it's almost gone. You can imagine how perfect a world without human error would be.

Why is CI/CD important, I will list a few values brought by CI/CD:

- Catch Compile Errors After Merge: Less developer time on issues from new developer code
- Catch Unit Test Failures: Less bugs in production and less time in testing
- Detect Security Vulnerabilities: Prevent embarrassing or costly security holes
- Automate Infrastructure Creation: Less human error, Faster deployments
- Automate Infrastructure Cleanup: Less infrastructure costs from unused resources
- Faster and More Frequent Production Deployments: New value-generating features released more quickly
- Deploy to Production Without Manual Checks: Less time to market
- Automated Smoke Tests: Reduced downtime from a deploy-related crash or major bug
- Automated Rollback Triggered by Job Failure: Quick undo to return production to working state

Yes, choosing CI/CD is a right choice, I hope everyone understands the benefits of CI/CD that I offer.