

CI/CD Fundamentals and Benefits

CANHDH FROM UDAPEOPLE

Reduce Costs

Continuous Integration merges all development results into an unified product, that will be tested, security scanned automatically => Less developer time and issues from new developer code.

Continuous Deployment cleans up infrastructure automatically
=> Less infrastructure costs from unused resources

Avoid Costs

Continuous Integration catches failure when testing => Less errors in production and less time in testing

Continuous Integration detect security problems soon => Prevent embarrassing or costly security holes

Continuous Deployment create infrastructure automatically => Less human errors, faster deployments

Increase Revenue

With Continuous Deployment, new features or updated features can be released more quickly and frequently as we shall not face human errors or delay on deployment, almost are automated.



Features are brought to production soon, gaining a competitive advantage in the market soon

Protect Revenue

Continuous Deployment has tests procedure to verify deployment is working before promote to production => Reduce downtime from deploy-related crash or major bugs.

When Continuous Deployment get a job failure, it has a rollback automatically will undo to return production to working state before.