How CI/CD can help us to reduce/avoid costs and increase/protect revenue

A guide by Alali Cortés

Automation is the key

Continuous Integration (CI), Continuous Delivery (CD) and Continuous Deployment (also CD) are the key to **reduce costs**, **avoid costs**, **increase revenue** and/or **protect revenue** by achieving one goal: *delivering frequent value to users and reducing human error*.

Pipelines! What you need to know.

Benefits

Reduce cost

Developers spend less time on issues. Also, unused resources reduce infrastructure costs

Increase revenue

New features are released more quickly so we need less time to market

Avoid cost

- Reduce bugs in production
- Prevent costly security holes
- Faster deployments

Protect revenue

- Reduce downtime from a crash or major bug
- Rapidly return to a working state

Success stories

Spending more time on new features

- From 1 to 6 commits per day
- From 6 weeks to 24 hours testing time
- From 5% to 40% time spent writing new features

HP LaserJet Firmware Group

DevOps fits in any kind of organization

- Consistent processes
- Automated acceptance testing
- Vulnerability monitoring

US Citizenship and Immigration Services (USCIS)

Achieving less time to market

- From 9 days to 4 day testing cycle time
- 200% faster time to market

Lloyds Banking Group