OUR GOALS:

- increase revenue

- protect revenue

- control costs
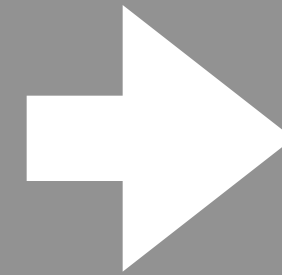
- reduce costs

CI/CD can help us!

What is CI/CD?

"Continuous Integration (CI) is a development practice that requires developers to integrate code into a shared repository several times a day. Each check-in is then verified by an automated build, allowing teams to detect problems early."

"Continuous Delivery (CD) is the natural extension of Continuous Integration: an approach in which teams ensure that every change to the system is releasable, and that we can release any version at the push of a button. Continuous Delivery aims to make releases boring, so we can deliver frequently and get fast feedback on what users care about."
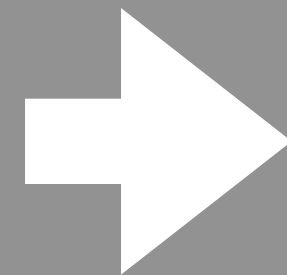
CI/CD allows us to:

INCREASE REVENUE

Make faster and more frequent deployments ➡️ New value generating features are released more quickly

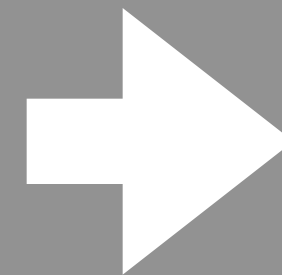Deploy to production without manual checks ➡️ Less time to market
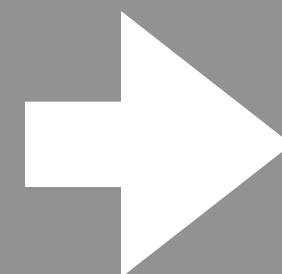
CI/CD allows us to:

PROTECT REVENUE

Automated smoke tests ➡ Reduced downtime from a deploy-related crash or major bug
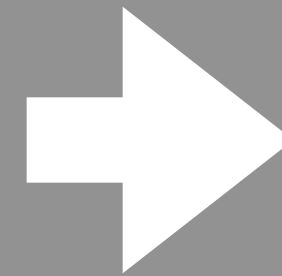
Automated rollback triggered by job failure ➡ Quick undo to return production to working state
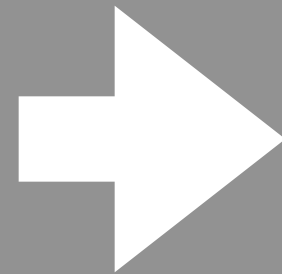
CI/CD allows us to:
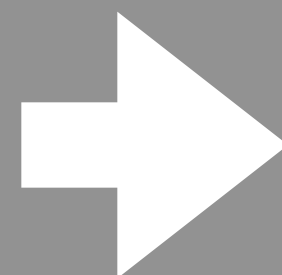
CONTROL COSTS

Catch unit test failures ➡ Fewer bugs in production and less time in testing

Detect security vulnerabilities ➡ Prevent embarrassing or costly security holes
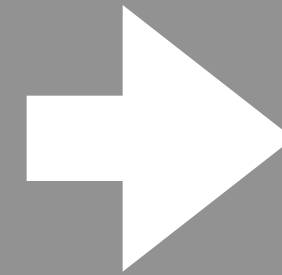
Automate infrastructure creation ➡ Less human error, faster deployments
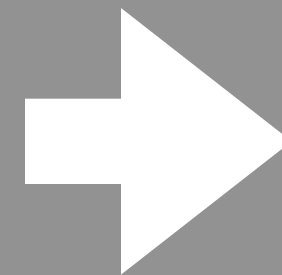
CI/CD allows us to:

REDUCE COSTS

Catch compile errors after merge ➡ Less developer time on issues from new developer code

Automate infrastructure cleanup ➡ Less infrastructure costs from unused resources