Continuous Deployment Pipelines

From commit to production

Overview

Pipeline stages

Rollout strategy

Next steps

Pipeline stages

What happens after a merge

- Build and unit tests run on every commit
- Integration tests gate the staging deploy
- A manual approval gates production

Rollout strategy

Comparing rollout styles

Strategy	Rollback speed	Risk
Blue/green	Instant	Low
Canary	Minutes	Low-medium
Rolling	Minutes	Medium

Two columns

Before

- Manual deploys, Friday freezes
- Hours of lead time

After

- Automated, multiple deploys a day
- Minutes of lead time

Next steps

Rollout plan

1. Ship canary deploys for the checkout service first
2. Expand to the rest of the fleet next quarter