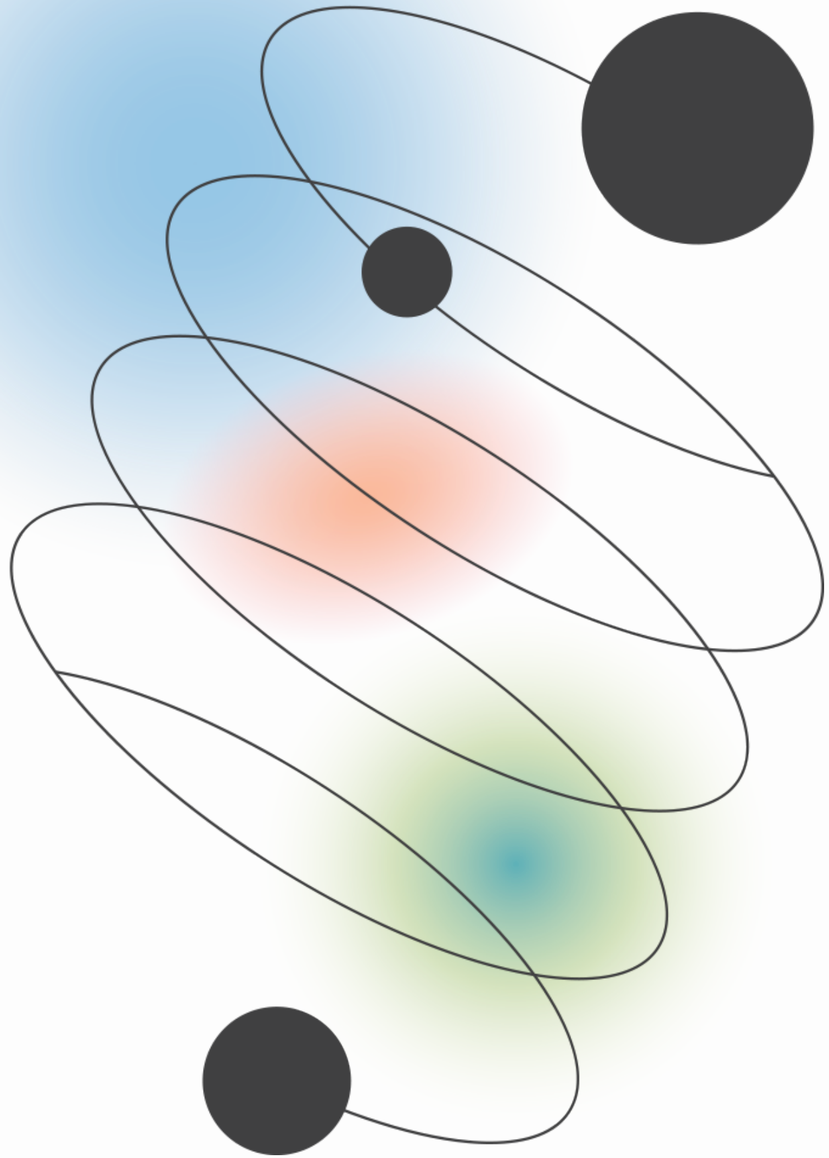
CI/CD — A better way to build and ship our products.

The Basics and Advantages of CI/CD for Developing and Deploying Automation.



Continuous Integration

the process of often merging each developer's working copy into the shared core to prevent future code disputes. We are now one step closer to having a high-quality, deployable artefact.

Compiling, testing, doing static analysis, looking for vulnerabilities in our dependencies, and saving the code artefacts are some of the actions taken at this stage.

Continuous Deployment

When a confirmed modification to a codebase or system architecture is ready, it is automatically deployed to production using this method.

Infrastructure setup, server provisioning, file copying, smoke testing, promotion to production, and even rolling back a change if something did not appear right are some of the steps in this stage.

Advantages of CI/CD for our business

We would have these benefits when we set up our CI/CD pipeline:

- Automated Smoke Tests: By minimising downtime brought on by deploy-related crashes or faults, this will safeguard our income.
- Catch Unit Test Failures: We would save money if we had fewer bugs in our live software and spent less time performing manual testing.
- Faster and More Regular Production Deployment: By delivering value-generating features to clients more regularly, we would generate more income. This would also enable us to get early feedback and maintain our competitive edge.

Advantages of CI/CD for our business

We would have these benefits when we set up our CI/CD pipeline:

- Find Security Vulnerabilities: This would make it simple for us to find significant security holes that would be humiliating if they were discovered on the public. We could avoid spending money on attempting to regain the trust of our consumers.
- Reduced time to market would result from deploying to production without manual checks. assist us in growing our revenue.