

Brought to you by Omar Khalil

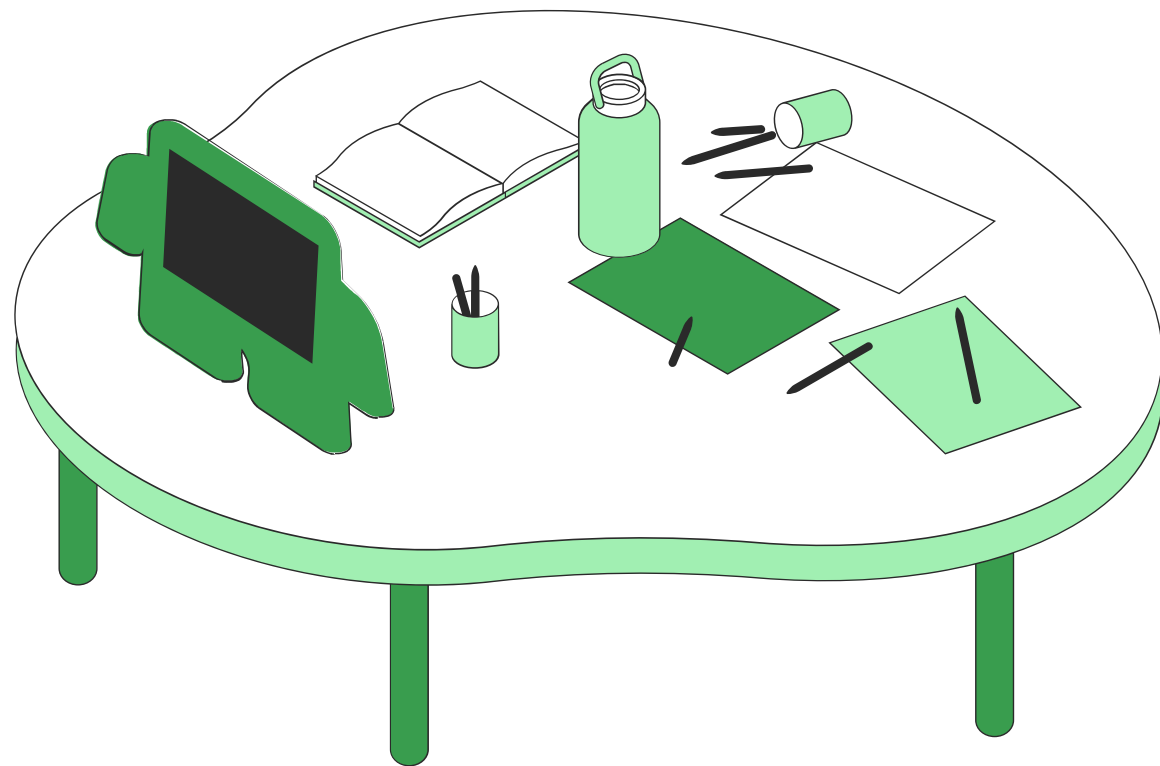
An Introduction to CI/CD PIPELINES

CIDC, simplified



CI/CD 101

What to Know



What is Continuous Integration (CI)?

What is Continuous Deployment (CD)?

Rewards of Continuous Integration (CI)?

Rewards of Continuous Deployment (CD)?

What're Continuous Integration and Deployment



Continuous Integration

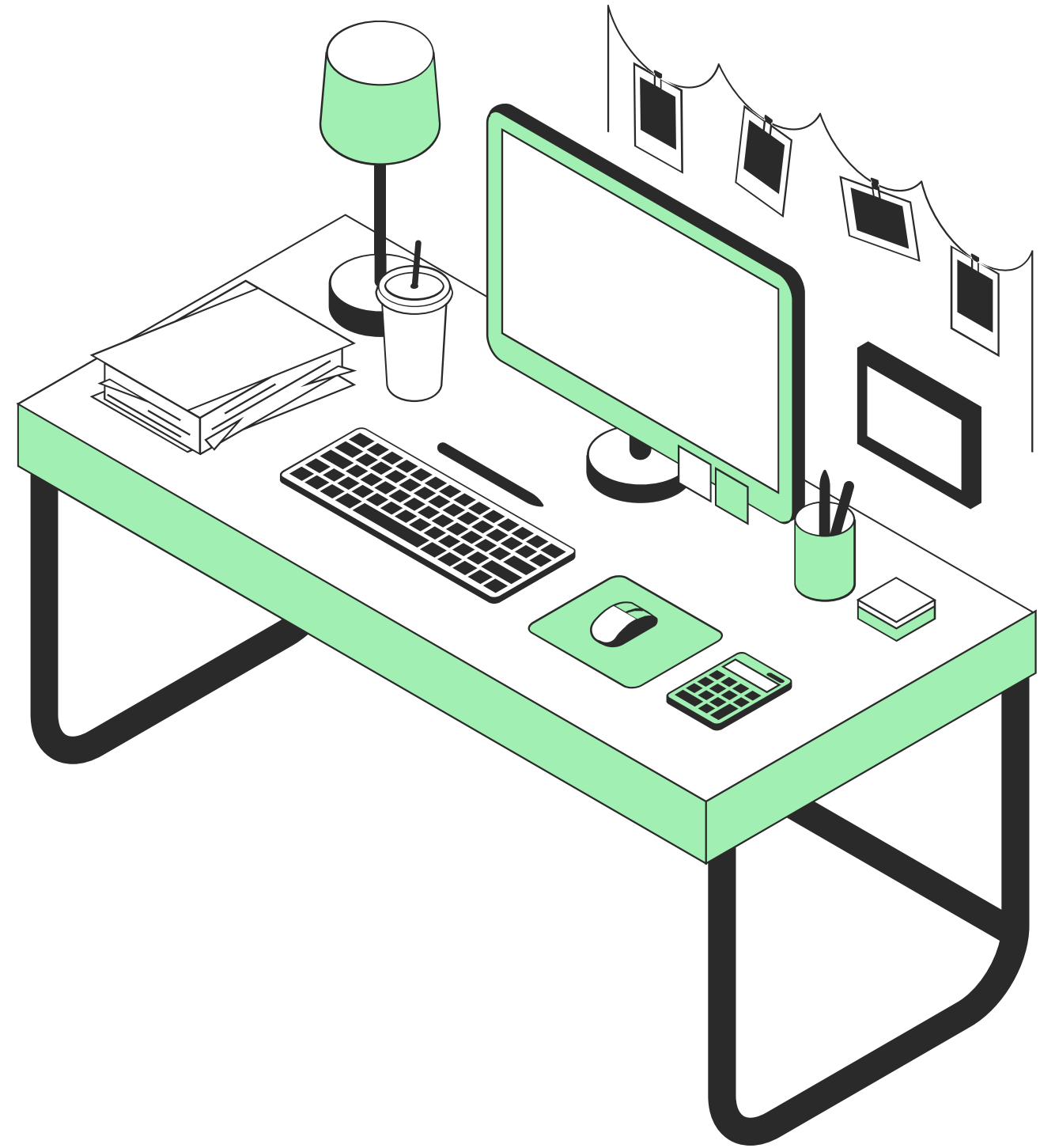
- The practice of merging all developers' working copies to a shared mainline several times a day to avoid conflicts in the code in the future.

Continuous Deployment

- A software engineering approach in which the value is delivered frequently through automated deployments as soon as they are ready and without human input

What's in it for the team for implementing CI/CD?

What are the rewards for CI/CD?



CI Benefits

- Automate Infrastructure Creation and clean up
- Manual transfer of payments
- A ton of paperwork is involved
- Catch Compiling and linting errors.
- Catch Unit Test Failures.
- Detect Security Vulnerabilities

CD Benefits

- Faster to production
- Automated Provisioning servers
- Promoting to production without Human intervention.
- Automated Rollback Triggered by Job Failure.
- Automated Smoke Tests