

Mono Repo Approach

Single Git Repository

auth

tickets

client

payments

expiration

orders

Repo-Per-Service Approach

Git Repository

auth

Git Repository

tickets

Git Repository

payments

Git Repository

client

Git Repository

expiration

Git Repository

orders

Local Machine

Make change to code for tickets service



Commit code to a git branch (any besides master!)



Push branch to github



Github

Github receives updated branch



You manually create a pull request to merge branch into master



Github automatically runs tests for project

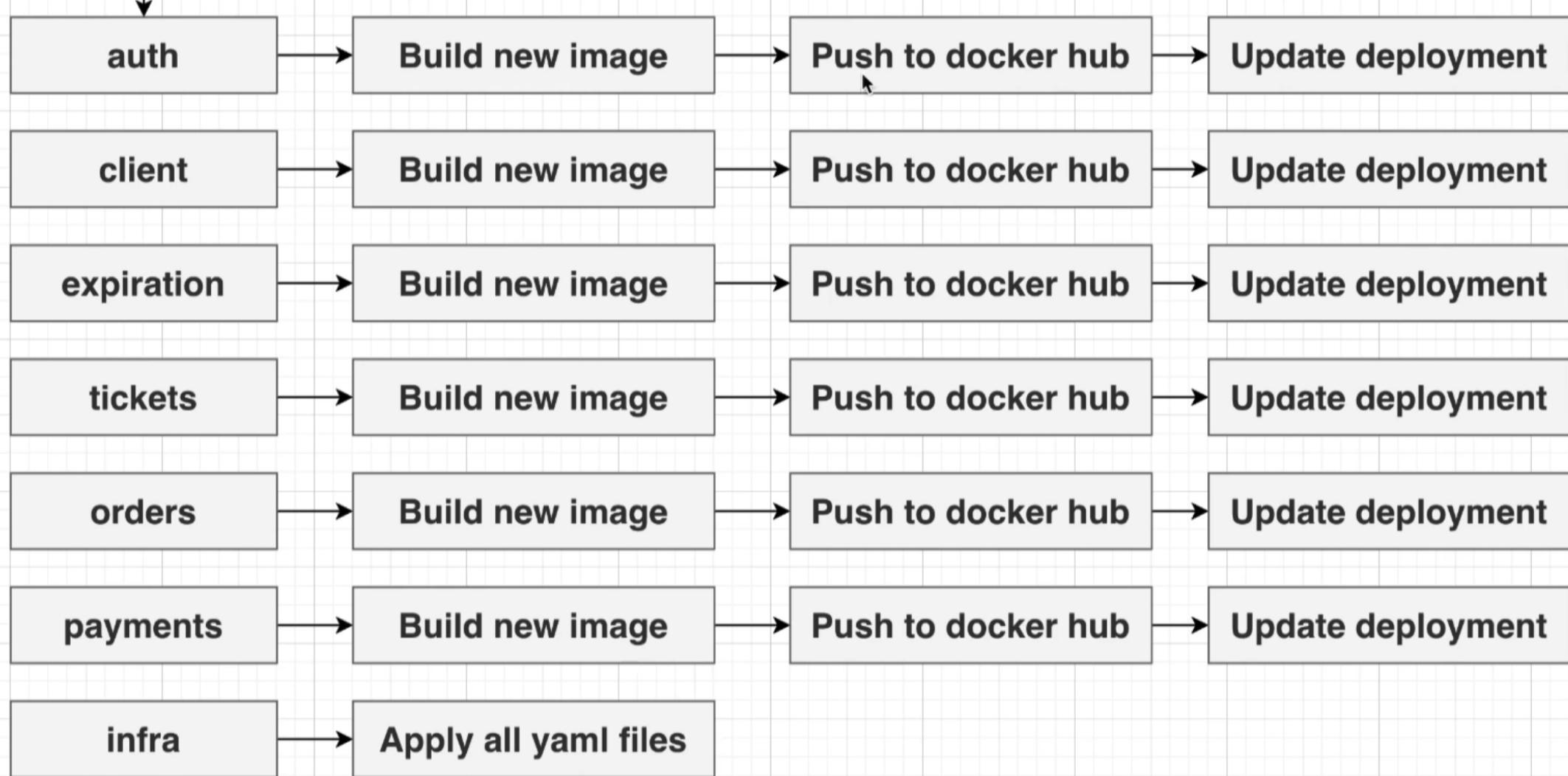


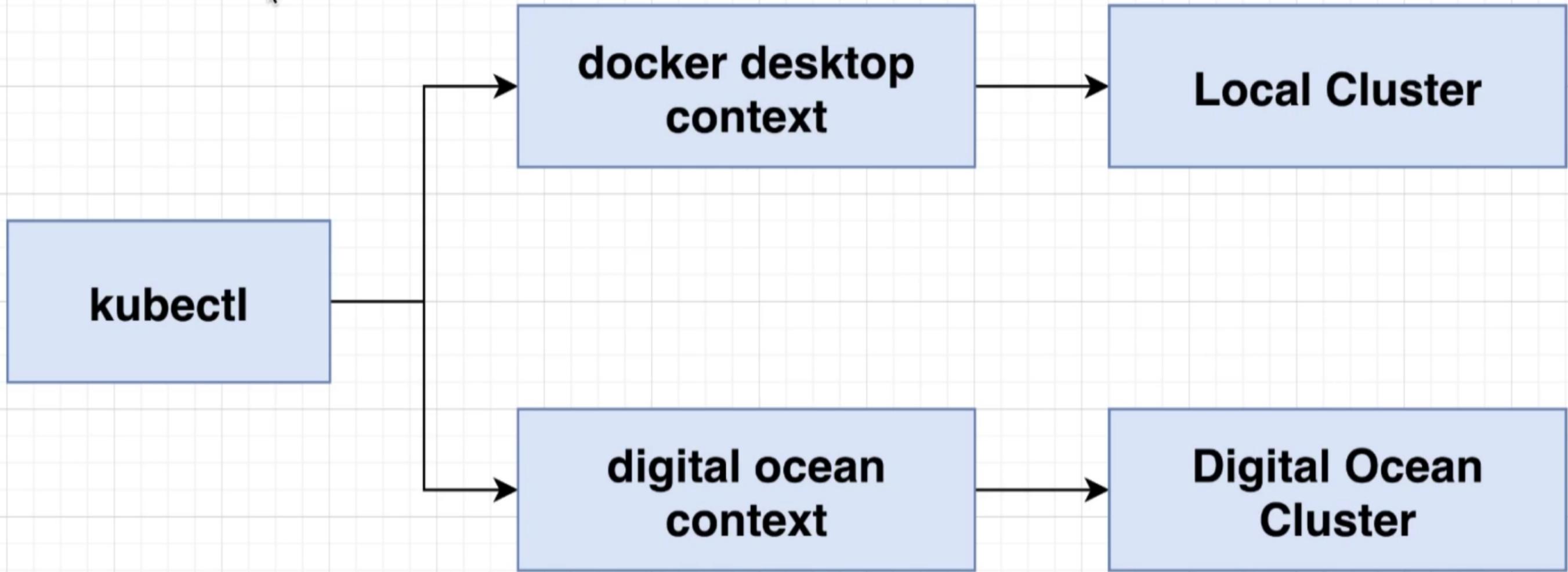
After tests pass, you merge the PR into master branch



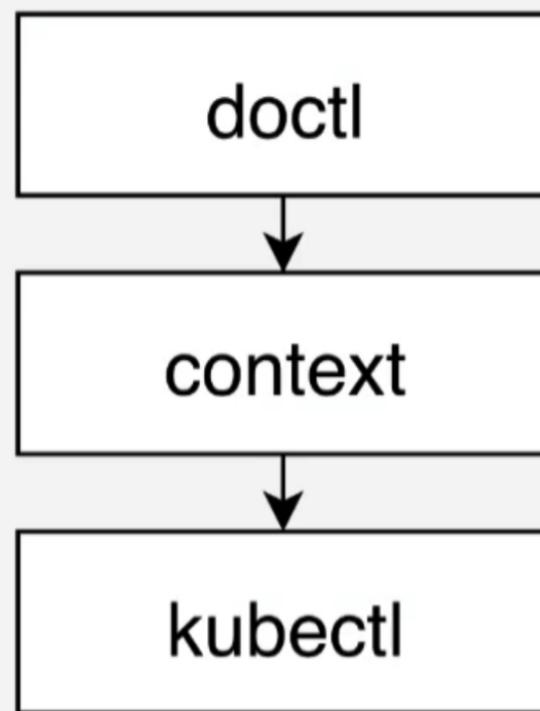
Because master branch has changed, github builds and deploys

Did anything in this folder change?





Github Container



Digital Ocean

Our Cluster

Add in HTTPS

See cert-manager.io

Add in Email Support

Send a user an email after they have paid for an order. Create a new service using Mailchimp/Sendgrid/similar

Add in 'build' steps for our prod cluster

Right now we are still running our services + the client in 'dev' mode. Add in additional Dockerfiles to build each service prior to deployment

Create a staging cluster

Our teammates might want to test out our app manually before we deploy it. Maybe we could add in a new Github workflow to watch for pushes to a new branch of 'staging'. Create a new cluster that you will deploy to when you push to this branch