

**03/25/2022**

**Meeting Start: 4:00 PM CST**

**Present:**

- **Raven Zucchelli**
- **Abigail Zucchelli**
- **Wasif Siddiqui**
- **Kumail Bukhari**
- **Aiden Nguyen**
- **Cedric Lee**

**Notes:**

- Do a pull request for each branch before merging
- After merging, the old branch will have to be deleted
- Can always restore a deleted branch
- Always good practice to delete branches after a merge
- Production branch
  - Customers see this
- Subprod branch
  - Dev environment
  - Can deploy to this environment and test changes
- Test environment branch
  - Integrating other code with your own code
  - Checking compatibility of code
- Stage branch
  - Preprod environment
  - All changes are integrated
  - As close to production before production
  - End to end testing to make sure everything works
  - After testing done, deploy to production
- Rebase a feature branch
  - Change in prod are applied to feature branch
  - Feature branch will work with latest code base
- Trunk based
  - Changes occur on main branch
  - Not recommended by cedric
  - Can potentially break the codebase because changes are on main branch
- Feature flags
  - Features enabled by a flag
  - Developed on main but it is disabled
    - When ready, it is enabled
- Pipeline
  - Similar to amplify
    - Pull github code
    - Looks for docker file
      - Or anything you want to add to the docker image
    - It will build the docker image for you
    - It will upload to aws and deploy automatically
  - As soon as it is pushed to github, it kicks off the webhook and builds everything for you

- Exactly what we are doing with amplify
- Blockchain is node app
  - New commit wipes the blockchain and runs it again
- When building docker container
  - You can attach a persistent volume
    - Switch containers as much as you like
    - Configuration and data resides in persistent volume
- Blockchain keys can be stored
  - Cloud
  - Harddrive
  - Persistent volume (on a cloud)
  - S3 bucket
  - We essentially flush the memory and write to disk in case memory goes down
- Cedric on CORS policy issue
  - Explaining Issue to Cedric:
    - If cors enabled, there is an error that cors policy is blocked by blockchain method
    - Policy doesn't let other apps update how you use your machine
  - Kumail shares screen:
    - Current solution
      - CORS Handler, allows an origin to be specified
  - Cedric: When deploying on AWS, what will the origin be?
    - What if there was an SSL certificate?
    - When moving to AWS, will the same issue persist?
      - We can allow the correct origin domain and it would work
      - Different customers may cause us to want multitenancy
        - Developed page for OtRL
        - Different company wants the same page as OtRL
          - Can setup different environment
          - But will need new hardware
          - Will cause origin list to grow
          - What if we segregated them?
            - Do not have to solve for this
            - Cloud will allow data segregation and other techniques, this will stop overhead of servers
            - SAAS - Software as a service
            - PAAS - Platform as a service
            - When running a pipeline and want to deploy to a dev environment
              - Companies don't want machines running and not being used
                - IaC - infrastructure as code
                - Builds infrastructure (hosts, DB's, networking, security groups, etc) and deploys it to a new environment
                - Environment on demand

**Meeting End: 4:50 PM CST**