Condo Daily Report 9-2-21

Thursday

* Worked on git2s3 stack
  + Git to s3 stack still wouldn’t deploy GitHub repo to s3 bucket
  + traced the error to the deploytos3 lambda file
    - debugged to the start\_build section of the file
    - changed some variables around and nothing changed
    - looked into code build problems with endpoints
      * launched a new CodeBuild endpoint
      * got past the endpoint issue but the lambda function gets caught in an infinite loop
    - emailed one of the developers of the git2s3 stack
* Moved on to setting up our company’s stack
  + Figured out a good setup for our company’s stack
    - Decided I would utilize 2 separate tools to make the company infrastructure more modular based
      * Stack referencing
      * stack nesting
    - Decided to break our company’s infrastructure into 3 separate stacks
      * Net stack
        + Covers all the network side services

VPC

Sub nets

Route tables

Routes

Internet gateways

Security groups

* + - * App stack
        + Covers all our application services

Ec2

RDS

S3

Maybe going to make s3 nested stacks

* + - * Monitor stack
        + Covers all monitoring services

CloudWatch

CloudFront

* + - These stacks need to be developed in that order
      * This is because net stacks outputs values that the app stack needs and the monitor stack needs data from both of the other stacks
    - I drew a diagram on the board for what is required from each stack and what their outputs will be
      * Decided to tackle the Network Stack
    - I drew another diagram of the current state of our Network
      * Decided we needed
        + 1vpc
        + 3subnets
        + 2 routes
        + 1 route table
        + 2 security groups
        + 1 internet gateway
    - I began to code the yaml file that we would use as the template
      * I finished the yaml file and I put it through CloudFormation several times due to bugs
      * The stack finally created an all the resources were allocated in the dev environment
      * I then inspected the resources and their outputs
        + All outputs were correct
      * Link to yaml template file [CLICK ME](https://github.com/condosr/CloudFormation-YAML-Scripts/blob/main/perceptivity/bear_network.yaml)
      * I deleted the stack which in turn took down all the resources