Condo Daily Report 9-9-21

Monday

* CloudFormation
  + Deleted the stacks I created last Friday
    - Reviewed which ones created properly
    - Found some stacks that may not be needed anymore
      * Asked kayce to scrap them and he approved
    - Initiated the rebuild of the perceptivity stack
      * Started with the network stack
* Meeting
  + Discussed this weeks goals
    - Finish App Stack
    - Look over Perceptivity Code
    - CI/CD perceptivity code
      * Github actions
      * AWS
    - Monitor Stack
* Perceptivity Code Meeting
  + Started to review the repo on github
  + Kayce instructed me to follow the documentation Teknion sent over
    - I started by RDPing into the Portal instance
    - I opened up SSMS and went into the server
    - Made a backup of the test-database
    - Attempted to drag and drop the .bak file into my environment but it wasn’t enabled
      * I knew that this was possible through my experience in vmware but I didn’t quite know how
      * Found a solution by configuring the ability to see the local c drive and interact with it
        + The only problem was the RDP service was through a file you download
        + Found out how to RDP using credentials and location instead
      * This solution worked and allowed me to get the file onto my local machine
    - Once the file was on my local machine I installed ssms
    - I did not know how to restore a .bak file and thought it would just be an option in ssms but it required the connection to a sql server
    - After looking around ssms for about 15 minutes I decided to install an sql server instance on my local machine
    - I configured the server and launched it
    - Ssms allowed me to grab that server and see its contents
    - From there I was able to click on the databases section and utilize the restore option
    - Restored the .bak file and now I have an up to date perceptivity sql server on my local machine
    - I then downloaded visual studio
    - Cloned the github repo to my computer and opened it in visual studio
    - Looked around in it and got comfortable with some of the c# .net syntax
* Cloud Formation
  + Continued working on the app stack
  + Kept running into a bug in the volume selection portion of the code
  + Drew a diagram on the board of how the parameters interact with the conditions, then how the conditions interact with the resources and in turn the state that the resources held when it got into the volume if statements
  + Found out that the bug had something to do with how the Device: and VolumeId: section were getting passed in as a list
  + Never found a solution so I commented it out and decided that if we wanted to attach volumes I would be able to do it down the road pretty quickly!
    - Possibly make a modularized version of this
  + Moved on to S3
    - Drew a diagram to see what properties of the s3 resource could stay static
    - Also observed which regions the buckets were in
      * May be necessary for cross regional access
    - Another aspect to look at is passing in bucket policies for buckets that touch other resources
      * The log bucket