Condo Daily Report 8-17-21

Tuesday

* Arrived and began working on Okta
  + Started pruning apps on unnecessary groups
  + Created rules to transfer users from old 365 groups to new managed okta groups
  + Created okta groups for user teams
* Had meeting with mike and team discussing analytics strategies, and discussed goals for this week
  + Talked about launching okta on select users as guinea pigs
* Meeting with Kayce
  + Discussed some things that needed to be done with okta
  + Discussed my goals with AWS Cloudwatch
* AWS Cloudwatch
  + Checked alarm that was made yesterday to see if info populated, but the data was still off the radar
  + Researched possible problems
  + Solved it by updating data being sent from the EC2 instance
  + Created a dashboard to show visuals on the status of the Perceptivity Portal EC2 instance
  + Created a new alarm attached to the CPU utilization metric
    - Took the widget and pushed it into the dashboard
  + Created an inbound traffic alarm
    - Checked the past weeks inbound usage, and used the values as a benchmark to make a threshold that would look for spikes
    - Implemented this alarm and attached it to the inbound traffic metric
    - Moved the widget to the dashboard
  + Went to the S3 log bucket and edited the permissions again to allow the input of a cloudwatch group stream
    - The streams from the group stream flow into the bucket now
      * Need to figure out how to get the cloudwatch agent onto the ec2 instances safely and effectively
    - Did a practice version with no luck
  + Made a new role in IAM to allow EC2 instances to write config files to make the stream happen
    - This role also allows full control over the cloudwatch agent
    - When done with this role we can keep it, just disable the admin cloud watch agent policy because it gives write permissions (I did before I left for the day to secure the AWS environment)
  + Created another alarm for outbound traffic
    - This alarm is important because outbound traffic has higher cost in AWS
    - Monitored the activity of the past week and set the threshold to a reasonable amount of outgoing bytes
    - Linked the alarm with the Network Out metric for a good visual of current data and the threshold
    - Posted that widget to the dashboard keeping track of portal instance activity
* Created snapshots of the perceptivity portal EC2 instance to have a secured current version in case corruption happens during the log stream production
* Located IIS logs on portal instance and created a shortcut and put it on the desktop for easy access during cloudwatchAgent log stream implementation