Condo Daily Report 8-10-21

Wednesday

* Arrived and researched Okta IdP Azure AD 400 error upon test signing in as an allowed user
* Added 1Password to list of Okta applications
  + Added 1Passord to the Analyst and Tech groups
* Researched meaning behind CIDR and how the layout of it helps with subnets and VPC’s
* Researched the construction process of a functional VPC and made an example instance in preparation for our companies VPC expansion
  + Created a VPC
  + Created 3 subnets
    - My-subnet
      * Located in AZ virginia-ua-1a
    - Subnet1
      * Located in AZ virginia-ua-1a
    - Subnet2
      * Located in AZ virginia-ua-1b
  + Created a network gateway for internet access and a proxy for EC2 instances
  + Created 2 EC2 instances one in My-Subnet and one in Subnet2
  + Created an internet facing load balancer that utilized my-subnet and subnet2
* Worked on cloud practitioner training
  + Completed section 3
  + Learned about VPC construction
  + Learned about cloud formation
    - Learned about yaml uses for cloud formation
    - This concept is critical for ease of creation later on
  + Learned about monitoring AWS instances
  + Learned about security steps to protect instances
    - GuardDuty
    - Config
    - Inspector
    - Shield