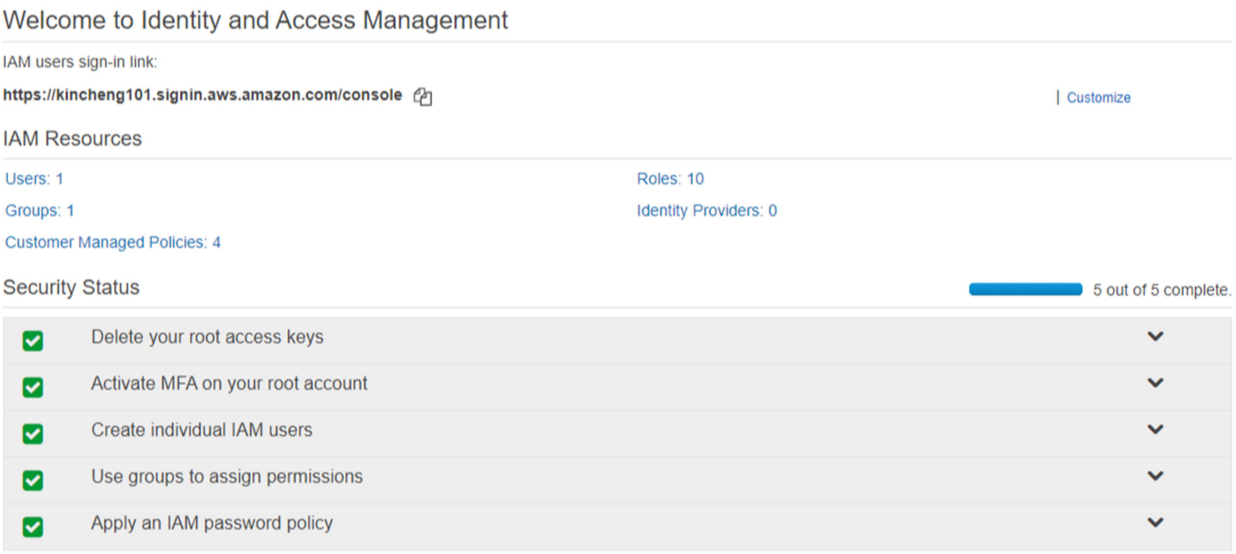
Amazon Web Services Console

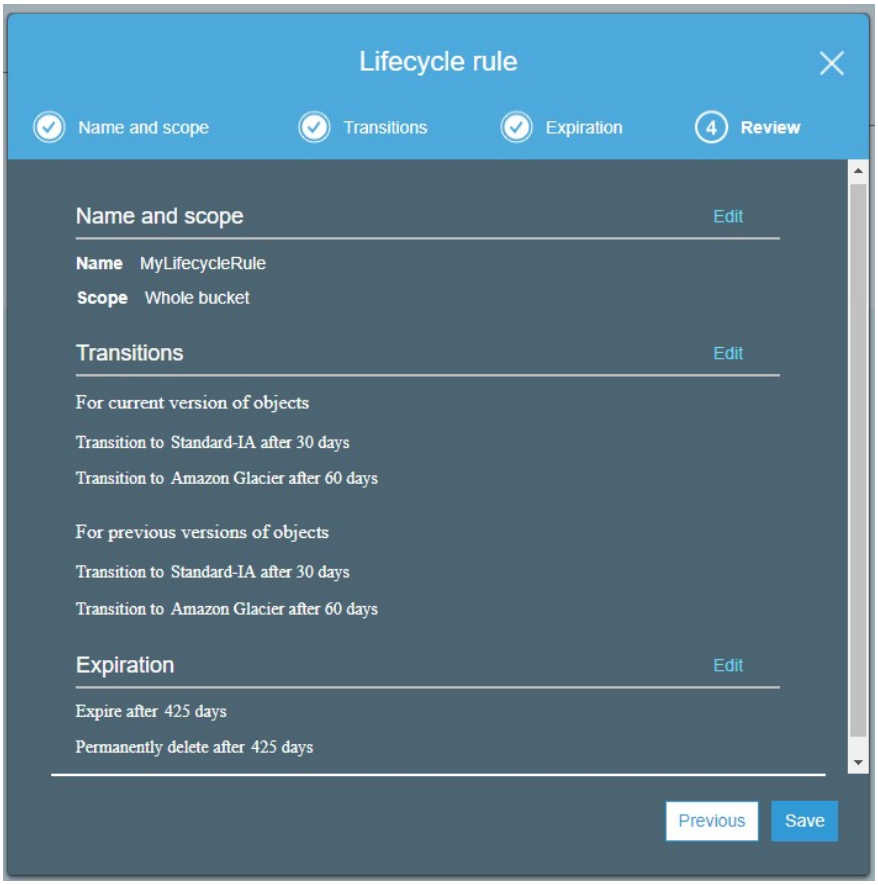
Kin Cheng

Setting up Identity Access Management (IAM)



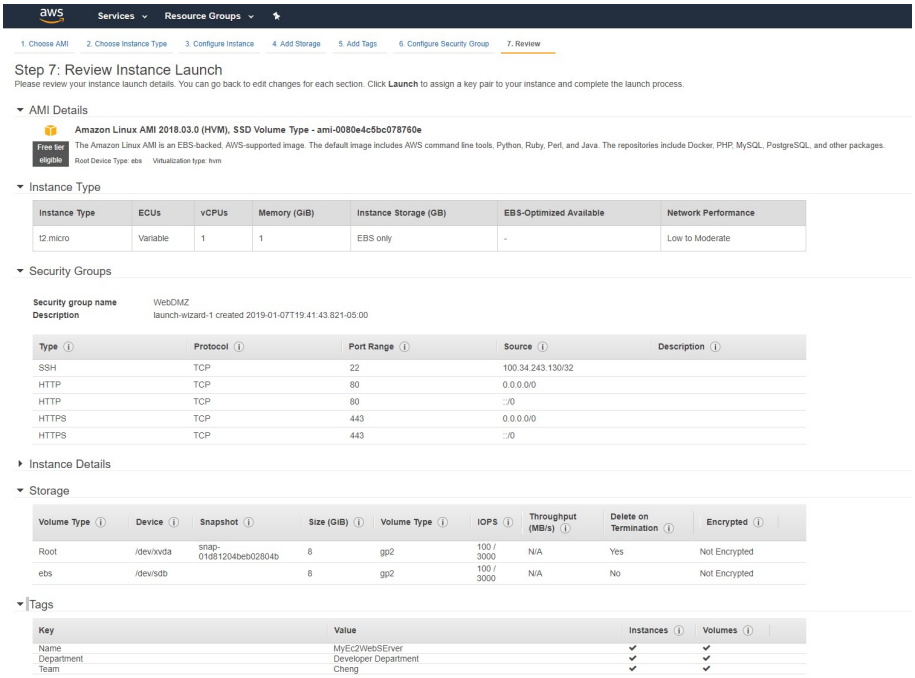
1. Created **user** kin.cheng within a **group** called TeamCheng
2. TeamCheng has a policy of AdministratorAccess to grant highest level of access
3. Activated Multi-Factor Authentication for enchanced security
4. Configured strict password policy (I.e. password length, expiration, no password reuse)

Setting up S3 buckets



1. Created bucket called kin.cheng.project.folder (global access)
2. By default, S3 buckets and items within are private. Configure to allow public access to bucket
3. Make each individual object in bucket public
4. Set Lifecycle rules to transition files from Standard to:
    a. Standard-IA (infrequently accessed) after 30 days
    b. Glacier after 60 days
5. Set Expiration after 425 days
6. Turn on Versioning to preserve, retrieve, and restore every version of every object in the S3 bucket

Setting up EC2



1. Select Linux operating system. Default image includes Python, MySQL, PRstgreSQL, and other packages
2. Choose t2.micro which has low to moderate network performance
3. Add tags such as {“Name” : “MyEc2WebServer”, “Department” : “Developer Department”}
4. Add Security Group as a virtual firewall for this instance.
5. Use CloudWatch to monitor resources and cost of ownership