Load Balancer endpoint - tenant - awscli lab.

1. In this lab, you will first create a Load balancer endpoint in Grid Manager. This endpoint will be accessible by all tenants, based upon an **HTTP** url with a **portnumber**. The endpoint will be the ip address of the **primary admin node**.

2. Then you will create a tenant.

3. Then sign in as the new tenant and create access keys, and save the .csv file to your downloads folder in windows.

4. On the linux client, you will then download the zipped awscli from uadmin.org. You will unzip the file and install the awscli.

5. By running aws configure you will copy and paste the access key and secret access key from the windows .csv file to the credentials of the default profile of aws.

6. Finally you will use s3api to create a bucket in the new tenant upload a file to the bucket and list the contents of the bucket.

Create a new endpoint

1. In Grid Manager
    a. Configuration
        Load balancer endpoints
            Create

        Name: **yourname**
        Port: **10445**
        Client type: **S3**
        Network protocol: **HTTP** (Not HTTPS)
        Continue

        Binding mode: **Global**
        Continue

        Tenant access: **Allow all tenants**
        Create

        (**yourname** was created)
        Finish

Create a tenant

2. In Grid Manager
    a. Tenants
        Create
        Name: **tenant100**
        Client type: **S3**
        Continue
        Continue
        Username: **root** (this is the default)
        Password: Netapp1!
        Confirm password: Netapp1!
        Create tenant
        Finish

Create access keys

3. click on the new tenant (tenant100)
   click **Sign in**
   Sign in (defaults to root with correct password)

   Storage
   My access keys
   Create key
   Create access key
   Download .csv
   (this will download the .csv file to Downloads)
   Finish

Setup awscli on linux

4. using putty, login to “ansible” (this is your linux VM)
   username **root**
   password **Netapp1!**

   To download the awscli zip file:

   curl http://uadmin.org/awscliv2.zip -o awscliv2.zip
   unzip awscliv2.zip

(The following command will install awcli)

./aws/install

Add the tenant keys to the awscli credentials file

5. in linux

aws configure

AWS Access Key ID: copy and paste your access key from the downloaded csv
AWS Secret Access Key: copy and paste the secret key from csv
Enter
Enter

Use awscli to create a bucket and upload a file

6. **aws s3api create-bucket --bucket buckettenant100 --endpoint-url http://192.168.0.80:10445**

   touch newfile

   aws s3 cp newfile --endpoint-url http://192.168.0.80:10445 s3://buckettenant100
   aws s3 ls --endpoint-url http://192.168.0.80:10445 s3://buckettenant100