Additional lab: awscli and buckets

In this lab, you will first create a tenant with credentials.

Then you will install the aws cli in linux and create bucket, upload a file to the bucket and do a metadata lookup from the grid console.

1. Login to the grid console.

2. Go to `'tenants'`

3. Click `'create'`

4. Display Name `'yourname'`.
   Protocol `S3`.
   Storage Quota (leave blanc).
   Continue.

5. Authentication Uses Own Identity Source (checkbox).

6. Give the root user a password and confirm the password.
   Save.

7. Click `'Sign in as root'` and Finish.

8. Sign in as the new tenant root.

9. Click `'Storage(S3)'`
   Click `'My access keys'`
   Click `'Create key'`

Leave the `'Set an expiration time'` field blanc.
Click `'Create access key'`.

You will need these two keys in a second, so either download them or leave this window open!

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10. Start `putty` from your desktop

11. Open a connection to linux `ansible vm (192.168.0.188)`
Login as `root` with password `Netapp1!`

12. To download the awscli zip file from amazon, run the following curl command.
```
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" \
-o "awscliv2.zip"
```

Unzip the archive:
```
unzip awscliv2.zip
```

13. To install the awscli, run the following command:
```
./aws/install
```

Then run:
```
aws configure
```

For the Access Key add the *access key*.
For the Secret Key add the *secret key*.
Hit enter for default region.
Hit enter for default format

14. List your buckets :
```
aws s3 ls --endpoint-url https://dc1-s1.demo.netapp.com:18082 \
--profile default --no-verify-ssl
```

15. Create a bucket in your account using the aws s3api.
```
aws s3api create-bucket  --bucket anewbucket \
--endpoint-url  https://dc1-s1.demo.netapp.com:18082 \
--profile default --no-verify-ssl
```

16. In your login directory (/root) there is a file: `anaconda-ks.cfg`

17. Upload the file:
```
aws s3 cp anaconda-ks.cfg s3://anewbucket --endpoint-url \
https://dc1-s1.demo.netapp.com:18082 --profile default
--no-verify-ssl
```

18. Check your work:
```
aws s3 ls s3://anewbucket \
--endpoint-url https://dc1-s1.demo.netapp.com:18082 \
--profile default --no-verify-ssl
```

19. Return to the Grid Console and click ILM Click Object Metadata Lookup 20.
In the identifier field type your bucketname and the filename:

```
anewbucket/anaconda-ks.cfg
```

20. Which storage nodes have stored the data?