

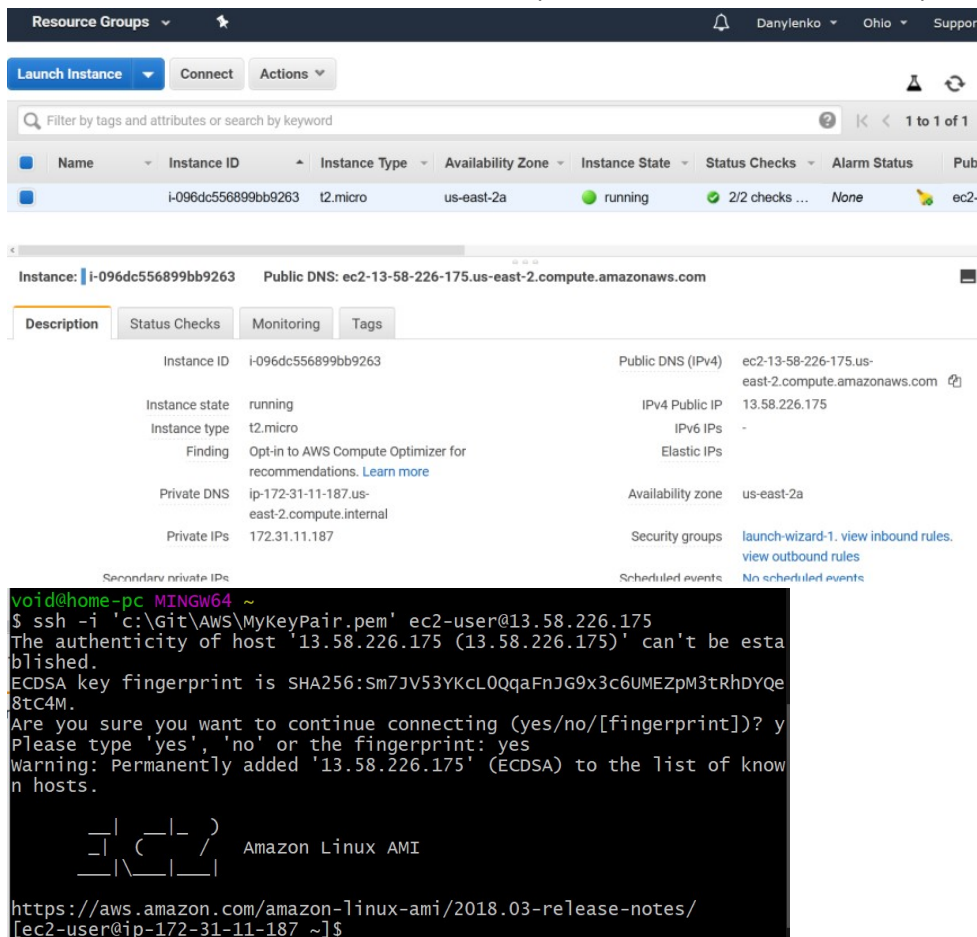
TASK 2.3

Danylenko Victor - Homework

1. Ознайомтесь з умовами безкоштовного використання AWS Free Tier https://docs.aws.amazon.com/en_us/awsaccountbilling/latest/aboutv2/billingfree-tier.html та можливостями контролю власних витрат.

I studied free tier and costs, and consciously picked doing next tasks in AWS account on practice, and not just do descriptions. Not a misunderstanding.

2. Перегляньте 10-хвилинний приклад Launch a Linux Virtual Machine. https://aws.amazon.com/getting-started/tutorials/launch-a-virtualmachine/?trk=gs_card. Повторити дії, створити власну VM в хмарі AWS та підключитись до неї. Рекомендовано використати інстанс t2.micro та операційну систему CentOS.



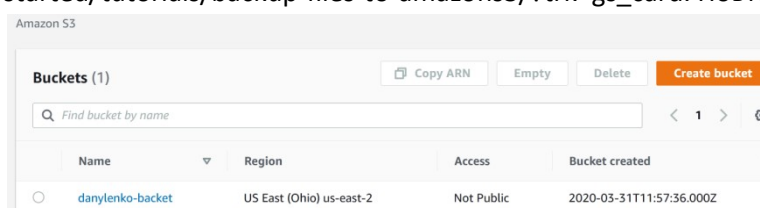
The screenshot shows the AWS Management Console interface for an EC2 instance. The instance is named 'i-096dc556899bb9263', is of type 't2.micro', and is located in the 'us-east-2a' availability zone. It is currently in a 'running' state. The public DNS is 'ec2-13-58-226-175.us-east-2.compute.amazonaws.com'. Below the instance details, there is a terminal window showing the command to connect via SSH using a key pair named 'MyKeyPair.pem'.

```
void@home-pc MINGW64 ~
$ ssh -i 'c:\Git\AWS\MyKeyPair.pem' ec2-user@13.58.226.175
The authenticity of host '13.58.226.175 (13.58.226.175)' can't be established.
ECDSA key fingerprint is SHA256:Sm7JV53YKcL0QqaFnJG9x3c6UMEZpm3trhDYqe8tC4M.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '13.58.226.175' (ECDSA) to the list of known hosts.

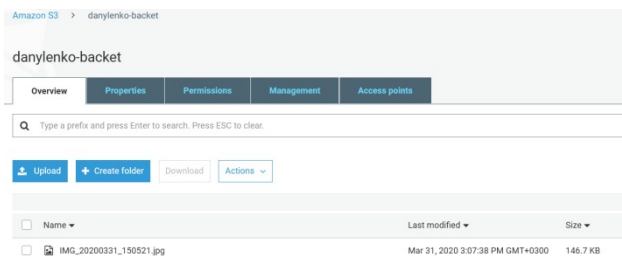
  _ _ _ _ _
 _ _ _ _ _  Amazon Linux AMI
 _ _ _ _ _

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
[ec2-user@ip-172-31-11-187 ~]$
```

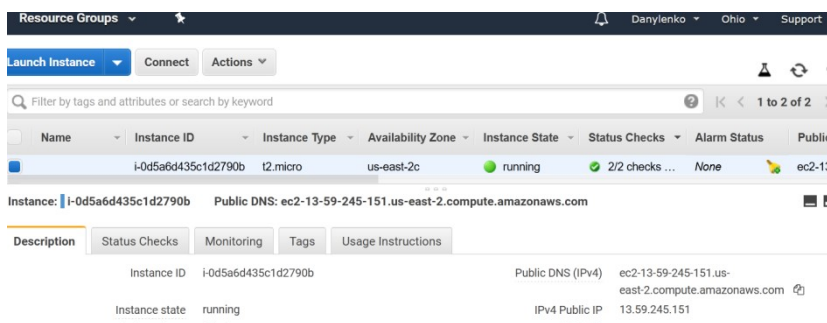
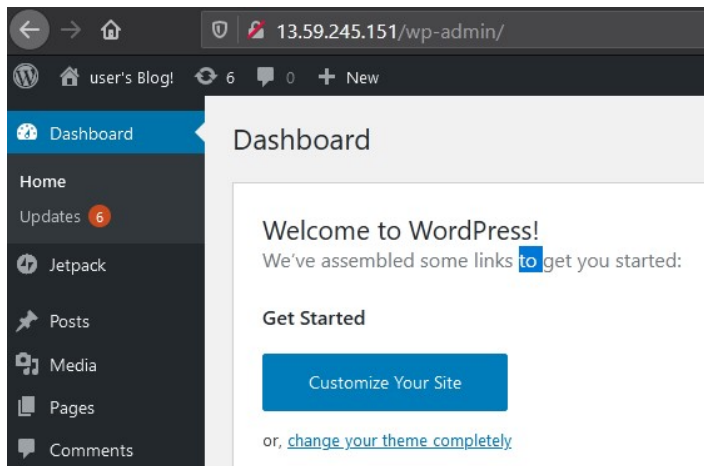
3. Перегляньте 10-хвилинний приклад Store and Retrieve a File https://aws.amazon.com/getting-started/tutorials/backup-files-to-amazons3/?trk=gs_card. Повторити дії, створивши власне сховище,



The screenshot shows the Amazon S3 console interface. It displays a bucket named 'danylenko-bucket' in the 'US East (Ohio) us-east-2' region. The bucket is not public and was created on 2020-03-31T11:57:36.000Z.



4. Перегляньте 10-хвилинний приклад <https://aws.amazon.com/ru/gettingstarted/tutorials/launch-a-wordpress-website/>. Повторити дії, створити власний сайт.



5. Перегляньте 10-хвилинний приклад <https://aws.amazon.com/ru/gettingstarted/tutorials/get-a-domain/>. Вивчити можливості створення власного домену та доменного імені для свого сайту.

To register and attach Domain

1. Go to AWS Route 53 service console
2. *In the Domain Registration - register new Domain (paid)*
3. From Route 53 console go to «Hosted Zones», select registered domain
4. «Create Record Set» create A-record for `www.DomainName`
 - a. set public IP address
 - b. Or set Alias for FQDN

6. Перегляньте 10-хвилинний приклад <https://aws.amazon.com/ru/gettingstarted/tutorials/backup-to-s3-cli/>.

Створити користувача AWS IAM, налаштувати CLI AWS та завантажити будь-які файли в S3.

```
C:\Users\void>aws configure
AWS Access Key ID [None]: AKIA2ELDV8KQXLA...
AWS Secret Access Key [None]: Ia2lmZ+qVoqUx7bfb8s5sg5j...
Default region name [None]: us-east-2
Default output format [None]: json

C:\Users\void>aws s3 cp "c:\Git\AWS\test.test" s3://danylenko-bucket/
upload: ...\.Git\AWS\test.test to s3://danylenko-bucket/test.test

C:\Users\void>aws s3 cp s3://danylenko-bucket/IMG_20200331_150521.jpg C:\Git\AWS\download.jpg
C:\Program Files\Amazon\AWSCLI\dateutil\parser\parser.py:1189: UnicodeWarning: Unicode equal
comparison failed to convert both arguments to Unicode - interpreting them as being unequal
download: s3://danylenko-bucket/IMG_20200331_150521.jpg to ...\.Git\AWS\download.jpg

C:\Users\void>aws s3 rm s3://danylenko-bucket/IMG_20200331_150521.jpg
delete: s3://danylenko-bucket/IMG_20200331_150521.jpg

C:\Users\void>aws s3 rm s3://danylenko-bucket/test.test
delete: s3://danylenko-bucket/test.test

C:\Users\void>aws s3 mb s3://danylenko-create-rm-bucket
make_bucket: danylenko-create-rm-bucket

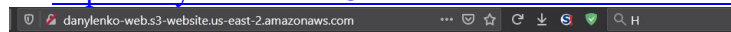
C:\Users\void>aws s3 rb s3://danylenko-create-rm-bucket
remove_bucket: danylenko-create-rm-bucket

C:\Users\void>aws s3 rb s3://danylenko-bucket/
remove_bucket: danylenko-bucket

C:\Users\void>
```

7. Створити статичний сайт в S3, доступний публічно. Розмістити на сторінці власне фото, назву тренінга та перелік сервісів AWS з якими працював студент в межах тренінгу чи раніше.

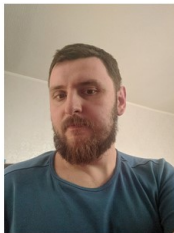
Endpoint : <http://danylenko-web.s3-website.us-east-2.amazonaws.com>



Епам DevOpsExt

Module 2 Virtualization and Cloud Basic Task 2.3

Danylenko V. - Homework



- Studied:
- AWS Free Tier
- AWS S3 Bucket service
- AWS EC2 Service
- AWS Route 53 Service
- AWS Identity and Access Management (IAM) service
- AWS CLI command line
- AWS S3 Bucket - client side Web-Site Hosting and Public access to bucket

danylenko-web

Overview

Properties

PermissionsPublic

Management

Versioning

Keep multiple versions of an object in the same bucket.

[Learn more](#)

☐ Disabled

Server access logg

Set up access log records that pr details about access request

[Learn more](#)

☐ Disabled

Static website hosting

Endpoint : <http://danylenko-web.s3-website.us-east-2.amazonaws.com>

