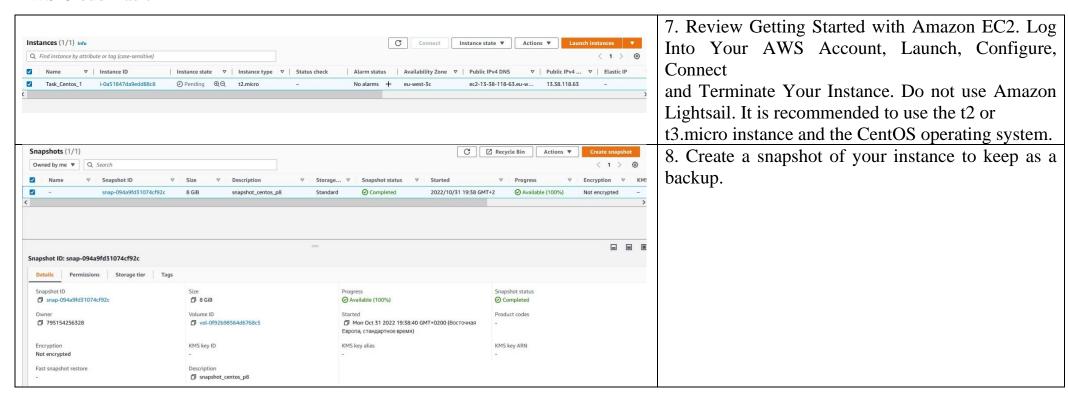
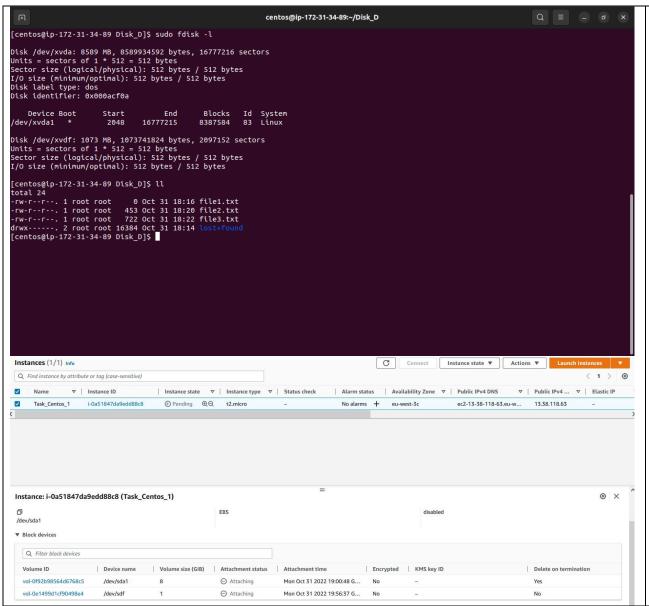
## Boboshko Sergey

## **EPAM University Programs**

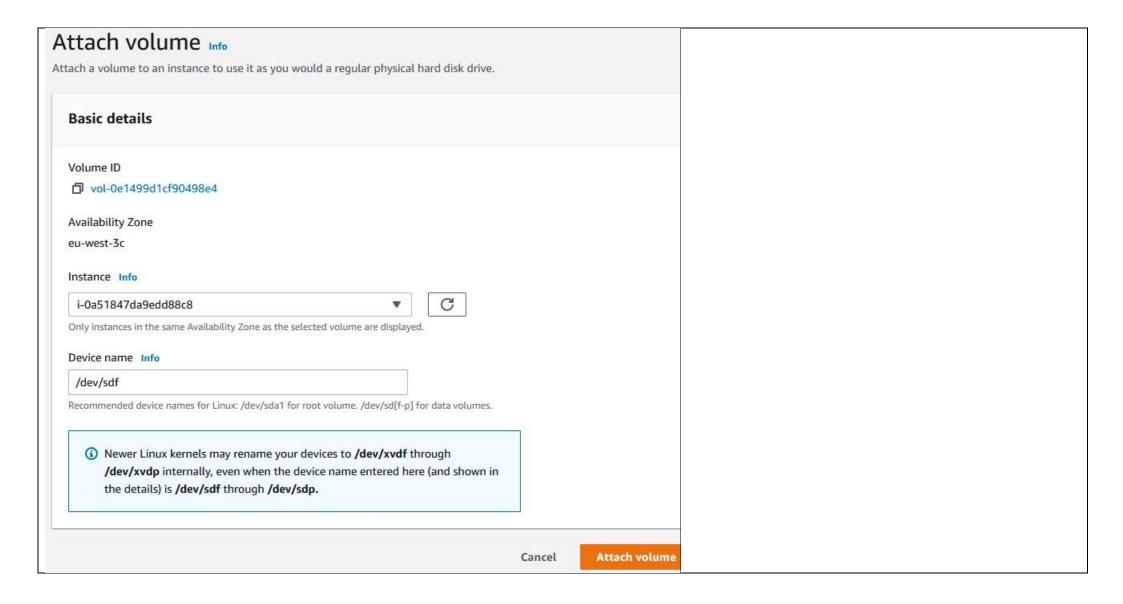
## DevOps L1 course

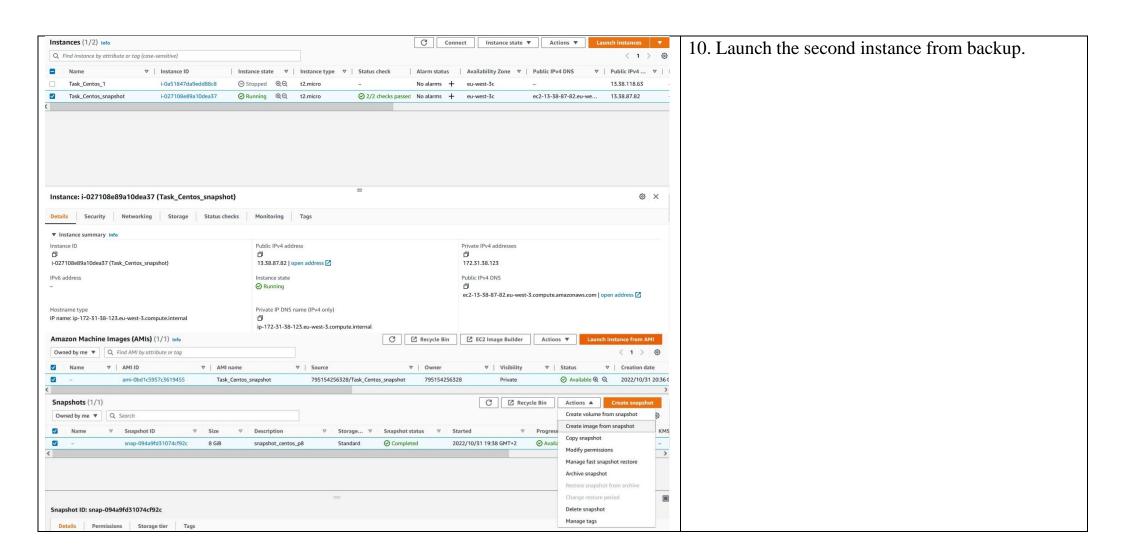
## **AWS Cloud Basic**



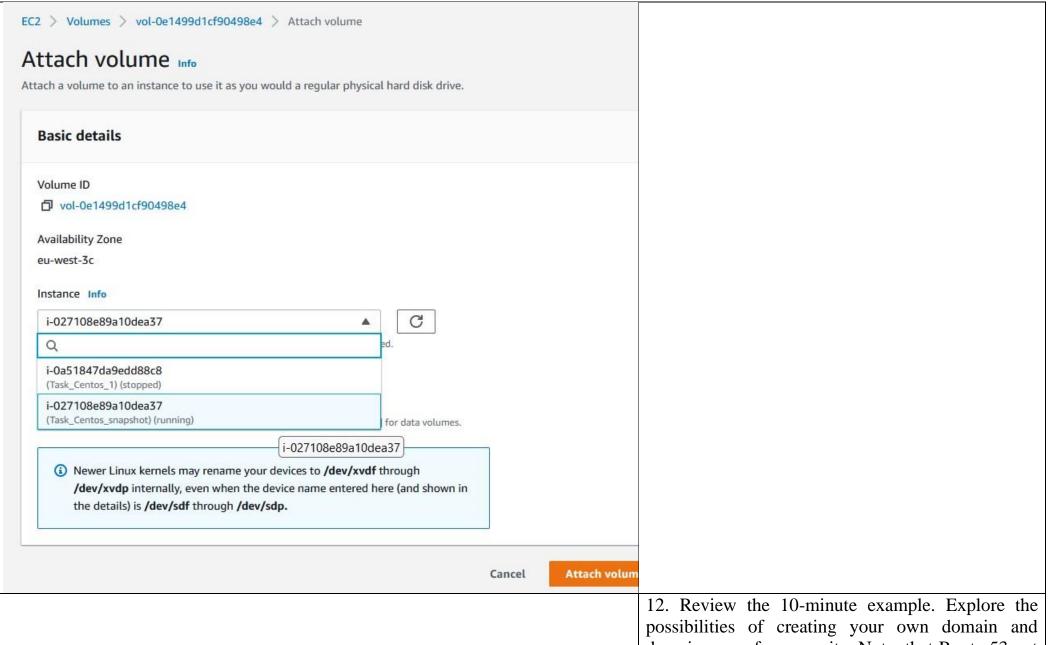


9. Create and attach a Disk\_D (EBS) to your instance to add more storage space. Create and save some file on Disk\_D.

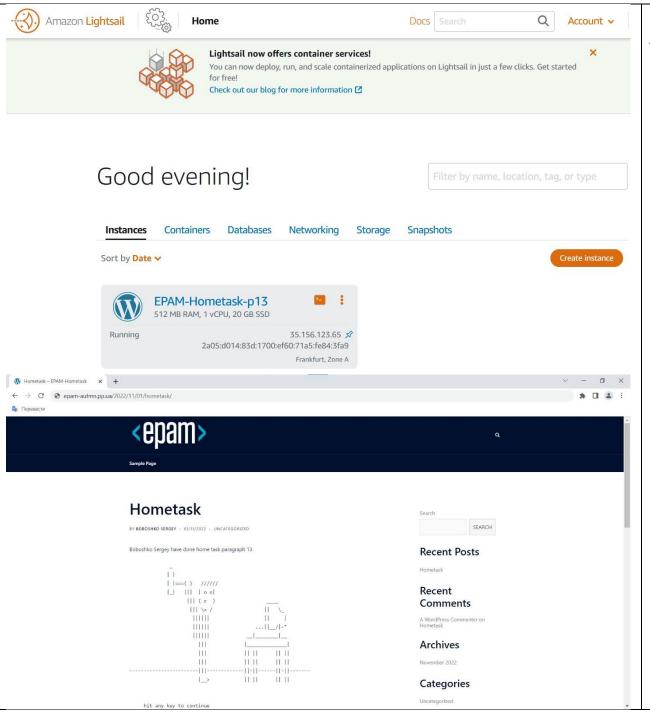




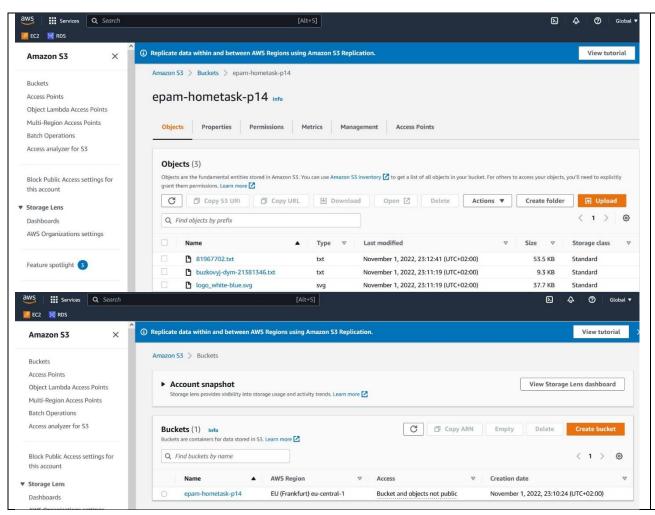
```
11. Detach Disk_D from the 1st instance and attach
                                                                 centos@ip-172-31-38-123:~/Disk_D_snapshot
[centos@ip-172-31-38-123 ~]$ mkdir Disk_D_snapshot
[centos@ip-172-31-38-123 ~]$ sudo fdisk -l
                                                                                                                                                                                  disk_D to the new instance.
Disk /dev/xvda: 8589 MB, 8589934592 bytes, 16777216 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x000acf0a
                         Start
                                                     Blocks Id System
    Device Boot
                                       End
/dev/xvda1 *
                          2048 16777215
                                                    8387584 83 Linux
Disk /dev/xvdf: 1073 MB, 1073741824 bytes, 2097152 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[centos@ip-172-31-38-123 ~]$ sudo mount /dev/xvdf Dlsk_D_snapshot/
[centos@ip-172-31-38-123 ~]$ ll
total 4
drwxr-xr-x. 3 root root 4096 Oct 31 18:22 Disk D snapshot
[centos@ip-172-31-38-123 ~]$ cd Disk_D_snapshot/
[centos@ip-172-31-38-123 Disk_D_snapshot]$ ll
total 24
-rw-r--r--. 1 root root 0 Oct 31 18:16 file1.txt
-rw-r--r--. 1 root root 453 Oct 31 18:20 file2.txt
-rw-r--r-. 1 root root 722 Oct 31 18:22 file3.txt
drwx-----. 2 root root 16384 Oct 31 18:14 lost+f
[centos@ip-172-31-38-123 Disk_D_snapshot]$ cat file3.txt
some text in some file 3
```



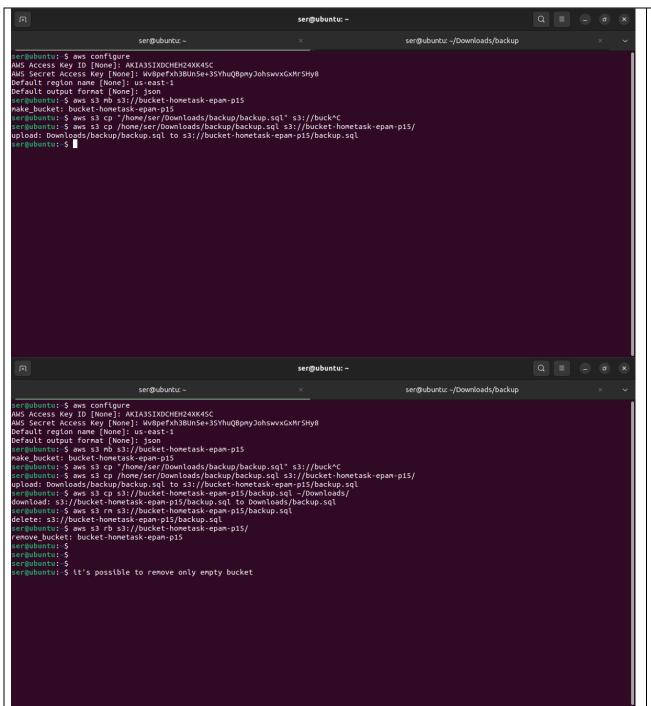
possibilities of creating your own domain and domain name for your site. Note, that Route 53 not free service. Alternatively you can free register the domain name \*.PP.UA and use it.



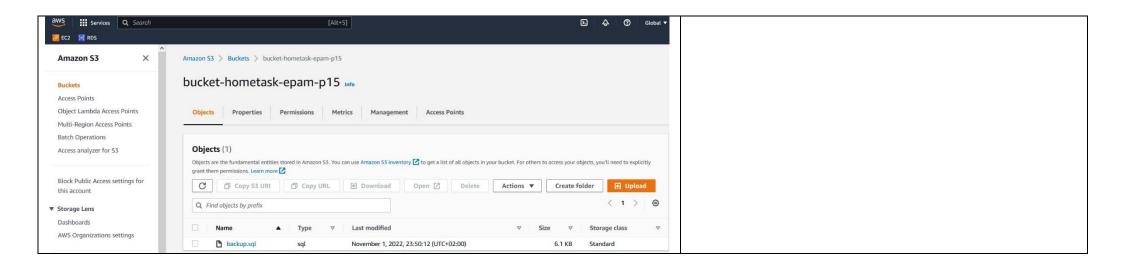
13. Launch and configure a WordPress instance with Amazon Lightsail link

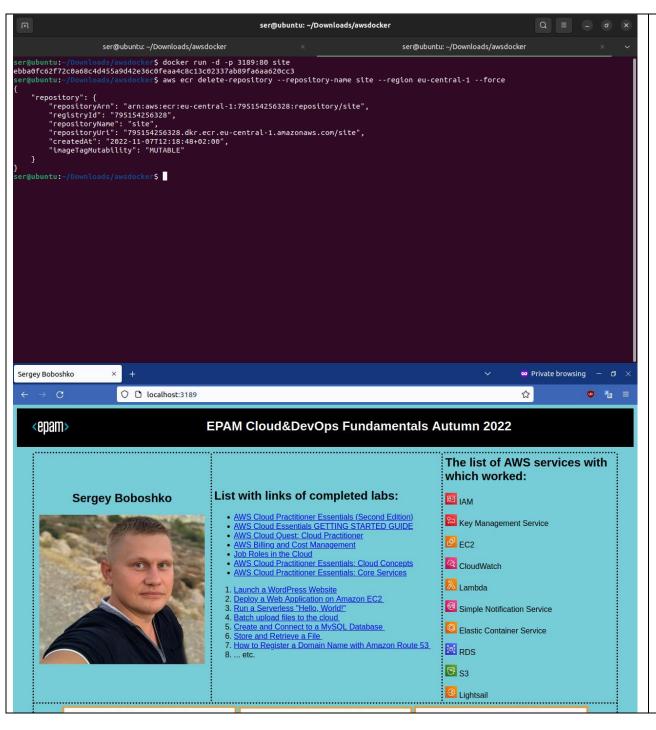


14. Review the 10-minute Store and Retrieve a File. Repeat, creating your own repository.

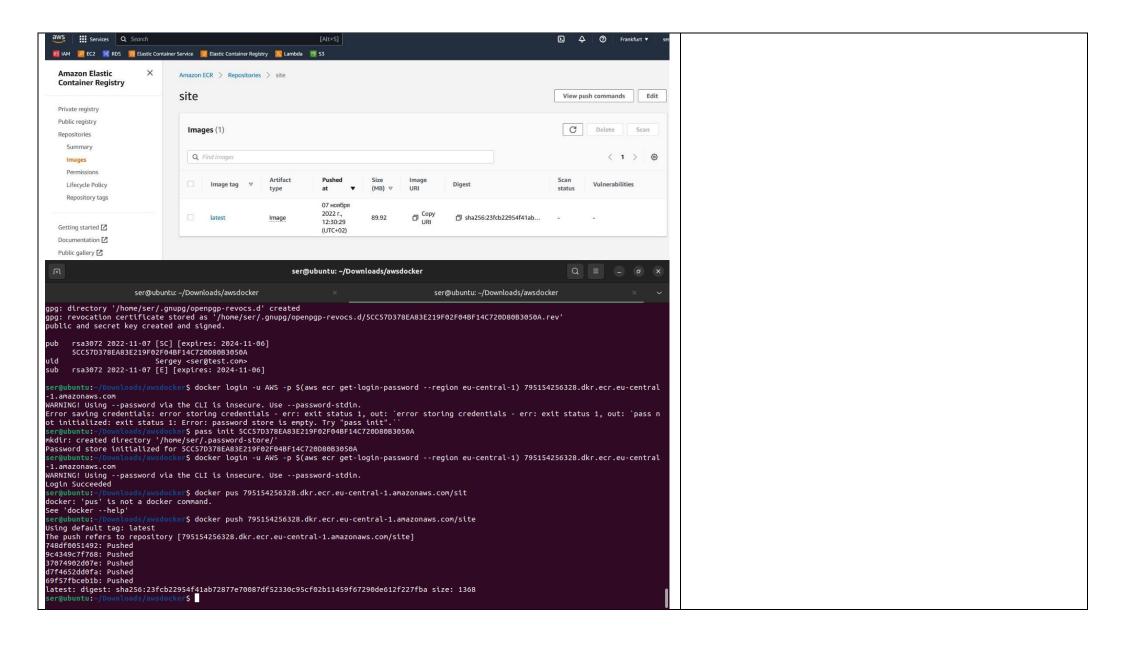


15. Review the 10-minute example Batch upload files to the cloud to Amazon S3 using the AWS CLI. Create a user AWS IAM, configure CLI AWS and upload any files to S3.

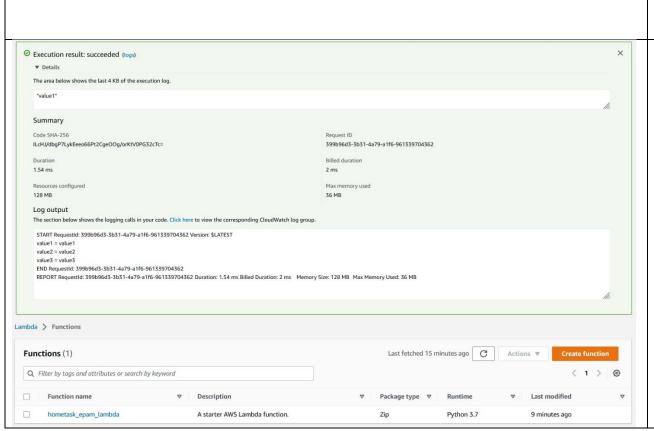




16. Review the 10-minute example Deploy Docker Containers on Amazon Elastic Container Service

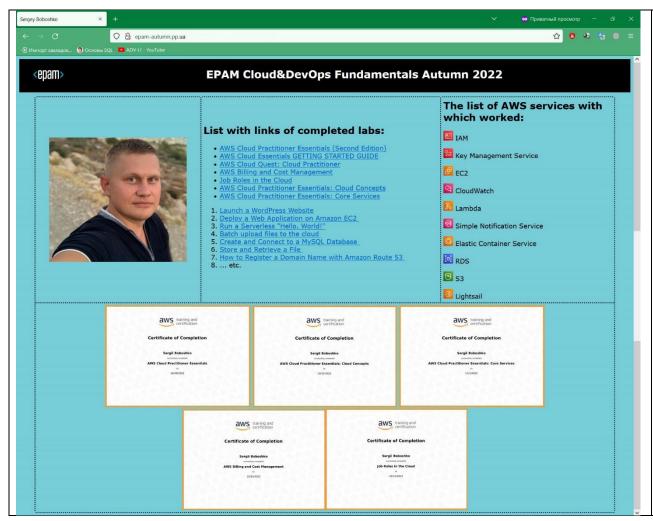


```
ser@ubuntu: ~/Downloads/awsdocker
                     ser@ubuntu: ~/Downloads/awsdocker
                                                                                              ser@ubuntu: ~/Downloads/awsdocker
ser@ubuntu:-/Downloads/awsdocker$ gpg --generate-key
gpg (GnuPG) 2.2.27; Copyright (C) 2021 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Note: Use "gpg --full-generate-key" for a full featured key generation dialog.
GnuPG needs to construct a user ID to identify your key.
Real name: ser
Name must be at least 5 characters long
Real name: Sergey
Email address: ser@test.com
You selected this USER-ID:
    "Sergey <ser@test.com>"
Change (N)ame, (E)mail, or (O)kay/(Q)uit? o
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: key F14C720D80B3050A marked as ultimately trusted
gpg: directory '/home/ser/.gnupg/openpgp-revocs.d' created
gpg: revocation certificate stored as '/home/ser/.gnupg/openpgp-revocs.d/5CC57D378EA83E219F02F04BF14C720D80B3050A.rev'
public and secret key created and signed.
      rsa3072 2022-11-07 [SC] [expires: 2024-11-06]
      5CC57D378EA83E219F02F04BF14C720D80B3050A
uid
                          Sergey <ser@test.com>
sub
      rsa3072 2022-11-07 [E] [expires: 2024-11-06]
                                                            ser@ubuntu: ~/Downloads/awsdocker
                     ser@ubuntu: ~/Downloads/awsdocker
                                                                                              ser@ubuntu: ~/Downloads/awsdocker
 er@ubuntu:~/Downloads/awsdocker$ aws ecr create-repository --repository-name site --region eu-central-1
         "repositoryArn": "arn:aws:ecr:eu-central-1:795154256328:repository/site",
        "registryId": "795154256328",
        "repositoryName": "site",
         "repositoryUri": "795154256328.dkr.ecr.eu-central-1.amazonaws.com/site",
         "createdAt": "2022-11-07T12:18:48+02:00".
         "imageTagMutability": "MUTABLE",
         "imageScanningConfiguration": {
             "scanOnPush": false
        },
"encryptionConfiguration": {
"icoType": "AES25
             "encryptionType": "AES256"
 er@ubuntu:~/Downloads/awsdocker$ docker tag site 795154256328.dkr.ecr.eu-central-1.amazonaws.com/site
 er@ubuntu:~/Downloads/awsdocker$ docker login -u AWS -p $(aws ecr get-login-password --region eu-central-1) 795154256328.dkr.ecr.eu-central
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
Error saving credentials: error storing credentials - err: exit status 1, out: `error storing credentials - err: exit status 1, out: `pass n
ot initialized: exit status 1: Error: password store is empty. Try "pass init".
ser@ubuntu:~/Downloads/awsdocker$ pass init
Usage: pass init [--path=subfolder,-p subfolder] gpg-id...
 ser@ubuntu:~/Downloads/awsdocker$ gpg --generate-key
gpg (GnuPG) 2.2.27; Copyright (C) 2021 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Note: Use "gpg --full-generate-key" for a full featured key generation dialog.
GnuPG needs to construct a user ID to identify your key.
```



(Amazon ECS). Repeat, create a cluster, and run the online demo application or better other application with custom settings.

17. Run a Serverless "Hello, World!" with AWS Lambda.



18. Create a static website on Amazon S3, publicly available (link1 or link2 - using a custom domain registered with Route 53). Post on the page your own photo, the name of the educational program (EPAM Cloud&DevOps Fundamentals Autumn 2022), the list of AWS services with which the student worked within the educational program or earlier and the full list with links of completed labs (based on tutorials or qwiklabs). Provide the link to the website in your report and CV.

