EPAM University Programs

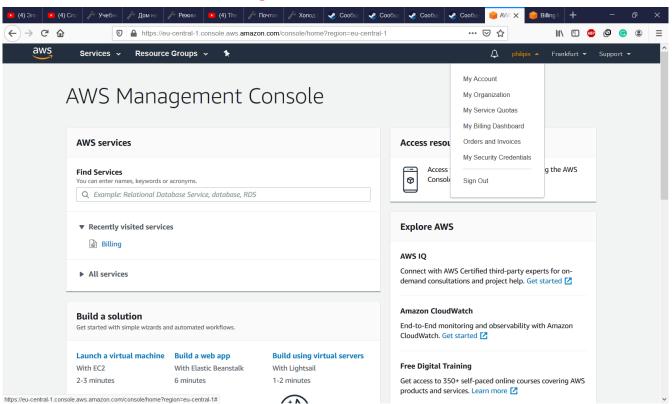
DevOps external course

Module 2 Virtualization and Cloud Basic

TASK 2.3

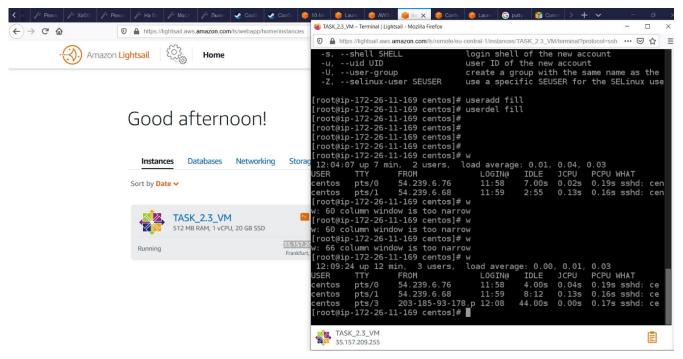
1. Ознайомтесь з умовами безкоштовного використання AWS Free Tier https://docs.aws.amazon.com/en us/awsaccountbilling/latest/aboutv2/billingfree-tier.html та можливостями контролю власних витрат.

Done. AWS Free Tier Account Registered.



2. Перегляньте 10-хвилиннй 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.

Done. CentOS instance. Connect via web-console:



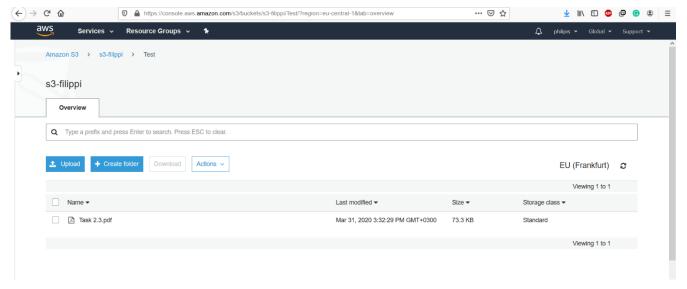
Configure putty and use https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/putty.html for convert private key and the result of connection from my PC directly via Putty:

```
centos@ip-172-26-11-169:~
                                                                                                                             X
                                                                     0:00.00 kblockd
                                                                     0:00.00 md
   25 root
                                                  0 S
   26 root
                                                  0 S
                                                       0.0
                                                             0.0
                                                                     0:00.00 watchdogd
0:00.01 kswapd0
                                                  0 S
                                                                     0:00.00 ksmd
   33 root
                                                                     0:00.00 crypto
                                                  0 S
   34 root
                                                             0.0
   42 root
                                                  0 S
 [centos@ip-172-26-11-169 ~]$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
         inet 172.26.11.169 netmask 255.255.240.0 broadcast 172.26.15.255
         ether 02:04:d9:c6:d1:1a txqueuelen 1000 (Ethernet) RX packets 21753 bytes 29611886 (28.2 MiB)
         RX errors 0 dropped 0 overruns 0 frame 0
TX packets 8917 bytes 966551 (943.8 KiB)
         TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
         inet6 :: 1 prefixlen 128 scopeid 0x10<host>
        RX packets 6 bytes 416 (416.0 B)

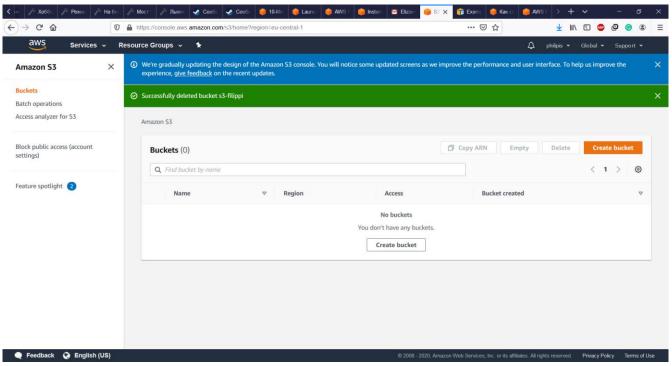
TX packets 6 bytes 416 (416.0 B)
         TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
 [centos@ip-172-26-11-169 ~]$ w
                    FROM
                                        LOGIN@
                                                          JCPU PCPU WHAT
          pts/0
                                                           0.02s 0.19s sshd: centos [priv]
0.13s 0.16s sshd: centos [priv]
                     54.239.6.76
                     203-185-93-178.p 12:08
 centos@ip-172-26-11-169 ~]$
```

3. Перегляньте 10-хвилиннй 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,

Done. I created S3-Filippi bucket and downloaded the file:

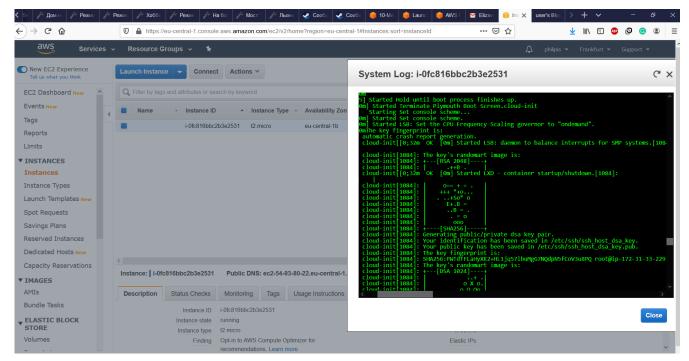


And deleted bucket:



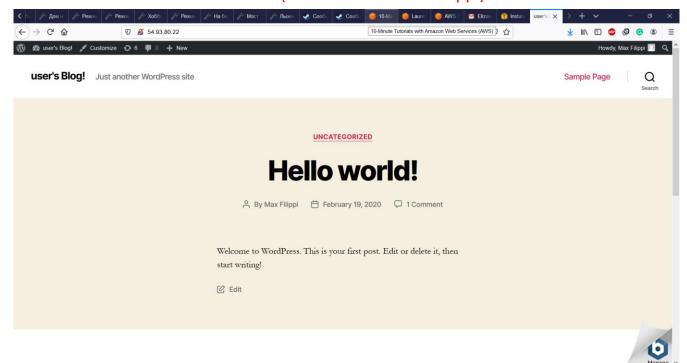
4. Перегляньте 10-хвилиннй приклад https://aws.amazon.com/ru/gettingstarted/tutorials/launch-a-wordpress-website/. Повторити дії, створити власний сайт.

I created wordpress instance:



Also I connected to my site via hostname: <u>ec2-3-125-115-149.eu-central-1.compute.amazonaws.com</u> and using password from logfile connected to admin panel and changed name to mine.

The Final results are in screenshot (see the name Max Filippi)



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

Unfortunately, I do not have active domains now, so I skipped that because of extra charges.

Info from Manual:

Cost implications:

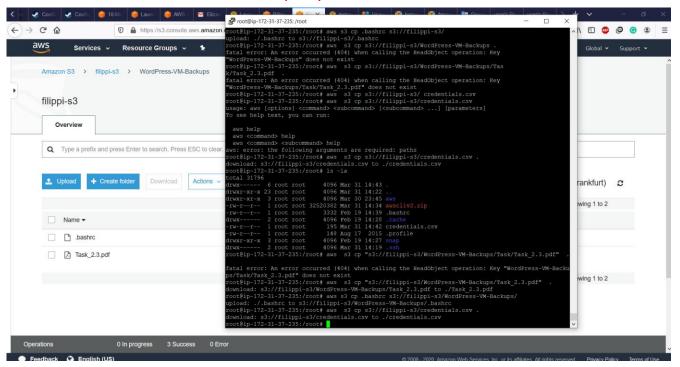
There's an annual fee to register a domain, ranging from \$9 to several hundred dollars, depending on the top-level domain, such as .com. For more information, see Amazon Route 53 Pricing for Domain Registration. This fee is not refundable.

When you register a domain, we automatically create a hosted zone that has the same name as the domain. You use the hosted zone to specify where you want Amazon Route 53 to route traffic for your domain. The fee for a hosted zone is \$0.50 per month. You can delete the hosted zone if you want to avoid this charge.

6. Перегляньте 10-хвилиннй 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. I added IAM user philipis and nstalled AWS CLI on my Wordpress VM. After that copied files from/to My S3 bucket filippi-s3.

See Final sreenshots with actions in putty and result in S3-bucket:



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.

I did it using Wordpress instance from part 4.

You can connect and see my site:

ec2-3-125-115-149.eu-central-1.compute.amazonaws.com

Also see screenshot bellow:

