



10/29/2020

TASK 6:

*The architecture includes- ✓
Webserver configured on EC2
Instance ✓ Document
Root(/var/www/html) made
persistent by mounting on EBS
Block Device. ✓ Static objects
used in code such as pictures stored
in S3 ✓ Setting up Content
Delivery Network using
CloudFront and using the origin
domain as S3 bucket. ✓ Finally
place the Cloud Front URL on the
webapp code for security and low
latency.*

Akshay Anil

ARTH TASK 6:

SETTING UP AN INSTANCE:

Provide the info of all seven steps as u do in GUI.

Subnet ⓘ subnet-7a8b8212 | Default in ap-south-1a ⓘ Create new subnet

Assign Public IP ⓘ

Placement group ⓘ ☐ Add instance to placement group

No preference (default subnet in any Availability Zone)

subnet-7ca32307 | Default in ap-south-1c

subnet-a85729e4 | Default in ap-south-1b

subnet-7a8b8212 | Default in ap-south-1a

Choose the security grp:

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☐ Create a new security group

☒ Select an existing security group

Security Group ID	Name	Description	Actions
<input type="checkbox"/> sg-3c0b6b5b	default	default VPC security group	Copy to new
<input checked="" type="checkbox"/> sg-0564f41be9b802156	launch-wizard-1	launch-wizard-1 created 2020-09-26T18:37:46.059+05:30	Copy to new
<input type="checkbox"/> sg-0b6307e690e2b4eb	launch-wizard-2	launch-wizard-2 created 2020-10-17T16:16:58.271+05:30	Copy to new
<input type="checkbox"/> sg-0a6d1d9e0c12e6515	launch-wizard-3	launch-wizard-3 created 2020-10-19T13:01:18.245+05:30	Copy to new
<input type="checkbox"/> sg-0d5a146f016238521	launch-wizard-4	launch-wizard-4 created 2020-10-19T14:37:58.203+05:30	Copy to new
<input checked="" type="checkbox"/> sg-0aaba1d34d19a4093	launch-wizard-5	launch-wizard-5 created 2020-10-25T23:30:21.385+05:30	Copy to new

Inbound rules for sg-0564f41be9b802156 (Selected security groups: sg-0aaba1d34d19a4093)

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
RDP	TCP	3389	0.0.0.0/0	

1. Creating an instance with CLI

```
aws ec2 run-instances --image-id ami-0e306788ff2473ccb --instance-type t2.micro --count 1 --subnet-id subnet-7a8b8212 --security-group-ids sg-0aaba1d34d19a4093 --key-name webserver
```

successfully launched:

```
C:\Users\Romio_juliete>aws ec2 run-instances --image-id ami-0e306788ff2473ccb --instance-type t2.micro --count 1 --subnet-id subnet-7a8b8212 --security-group-ids sg-0aaba1d34d19a4093 --key-name webserver
{
  "Groups": [],
  "Instances": [
    {
      "Id": "i-01234567890123456",
      "ImageId": "ami-0e306788ff2473ccb",
      "InstanceType": "t2.micro",
      "SubnetId": "subnet-7a8b8212",
      "SecurityGroupIds": ["sg-0aaba1d34d19a4093"],
      "KeyName": "webserver",
      "State": "pending",
      "PublicIpAddress": "10.0.0.1",
      "PrivateIpAddress": "10.0.0.1",
      "ElasticAccelerator": null,
      "NetworkInterfaces": [
        {
          "NetworkInterfaceId": "eni-01234567890123456",
          "SubnetId": "subnet-7a8b8212",
          "PrivateIpAddress": "10.0.0.1",
          "PrivateIpAddresses": [
            {
              "PrivateIpAddress": "10.0.0.1",
              "Primary": true
            }
          ],
          "ElasticAccelerator": null,
          "Groups": ["sg-0aaba1d34d19a4093"],
          "Options": null,
          "Status": "available"
        }
      ],
      "Monitoring": {
        "Enabled": false
      },
      "Placement": {
        "AvailabilityZone": "ap-south-1a",
        "Group": null,
        "Tenancy": "default"
      },
      "Platform": null,
      "PlatformOptions": null,
      "Tags": [],
      "UserData": null
    }
  ]
}
```

ARTH TASK 6:

```
C:\Users\Romio_juliete>aws ec2 run-instances --image-id ami-0e306788ff2473ccb --instance-type t2.micro --count 1 --subnet-id subnet-7a8b8212 --security-group-ids sg-0aaba1d34d19a4093 --key-name webserv
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-0e306788ff2473ccb",
      "InstanceId": "i-0a06ad006e50cf731",
      "InstanceType": "t2.micro",
      "KeyName": "webserv",
      "LaunchTime": "2020-10-26T17:15:51+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "ap-south-1a",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-42-202.ap-south-1.compute.internal",
      "PrivateIpAddress": "172.31.42.202",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      },
      "StateTransitionReason": "",
      "SubnetId": "subnet-7a8b8212",
      "VpcId": "vpc-77bc5f1c",
      "Architecture": "x86_64",
      "BlockDeviceMappings": [],
      "ClientToken": "e9bb6640-2cec-4d8f-aaaf-c187628b457c",
      "EbsOptimized": false,
      "EnaSupport": true,
      "Hypervisor": "xen",
      "NetworkInterfaces": [
        {
          "Attachment": {
            "AttachTime": "2020-10-26T17:15:51+00:00",
            "AttachmentId": "eni-attach-03c94881c33df1126",
            "DeleteOnTermination": true,
            "DeviceIndex": 0,
            "Status": "attaching"
          },
          "Description": "",
          "Groups": [
            {
              "GroupName": "launch-wizard-5",
              "GroupId": "sg-0aaba1d34d19a4093"
            }
          ],
          "Ipv6Addresses": [],
          "MacAddress": "02:14:8e:b3:bf:1e",
          "NetworkInterfaceId": "eni-0b2618dc28c5b8872",

```

Checking on GUI:

Instance ID	Instance state	In...	S...	A...	Ava	Pub	Public IPv4 ...	Elastic Ip	IPv6 IPs	Monitoring	Security Group name	Key na...	Launch time
i-0e6a00e7bcd11548	Stopped	t2.mi...	-	+	a...	-	-	-	-	disabled	launch-wizard-4	namenode	2020/10/25 00:01 GMT+5:30
i-0a06ad006e50cf731	Running	t2.mi...	+	a...	e...	13.232.78.32	-	-	-	disabled	launch-wizard-5	webserver	2020/10/26 22:45 GMT+5:30
i-0d5cd8bf20c41c8d8	Stopped	t2.mi...	-	+	a...	-	-	-	-	disabled	launch-wizard-5	webserver	2020/10/25 23:31 GMT+5:30

1. Starting instance with CLI

	Name	Instance ID	Instance state	Inst...	Status check	Alarm Status	Availabili...	Public IPv4 DNS	Public IPv4 ...	Elastic Ip	IPv6 IPs
	-	i-0e6a00e7bcd11548	Stopped	t2.micro	-	No alarms	+	ap-south-1a	-	-	-
	CLI	i-0a06ad006e50cf731	Stopped	t2.micro	-	No alarms	+	ap-south-1a	-	-	-
	webserver	i-0d5cd8bf20c41c8d8	Terminated	t2.micro	-	No alarms	+	ap-south-1b	-	-	-

```
C:\Users\Romio_juliete>aws ec2 start-instances --instance-ids i-0a06ad006e50cf731
{
  "StartingInstances": [
    {
      "CurrentState": {
        "Code": 0,
        "Name": "pending"
      },
      "InstanceId": "i-0a06ad006e50cf731",
      "PreviousState": {
        "Code": 80,
        "Name": "stopped"
      }
    }
  ]
}
```

	Name	Instance ID	Instance state	Inst...	Status check	Alarm Status	Availabili...	Public IPv4 DNS	Public IPv4 ...	Elastic Ip	IPv6 IPs	Monitoring
	-	i-0e6a00e7bcd11548	Stopped	t2.micro	-	No alarms	+	ap-south-1a	-	-	-	disabled
	CLI	i-0a06ad006e50cf731	Running	t2.micro	Initializing	No alarms	+	ap-south-1a	ec2-13-235-24-198...	13.235.24.198	-	disabled
	webserver	i-0d5cd8bf20c41c8d8	Terminated	t2.micro	-	No alarms	+	ap-south-1b	-	-	-	disabled

ARTH TASK 6:

2. Creating an EBS volume:

```
C:\Users\Romio_juliete> aws ec2 create-volume --volume-type gp2 --size 1 --availability-zone ap-south-1a
```

```
C:\Users\Romio_juliete>aws ec2 create-volume --volume-type gp2 --size 1 --availability-zone ap-south-1a
{
  "AvailabilityZone": "ap-south-1a",
  "CreateTime": "2020-10-26T18:03:14+00:00",
  "Encrypted": false,
  "Size": 1,
  "SnapshotId": "",
  "State": "creating",
  "VolumeId": "vol-078e1f74bb9682dc7",
  "Iops": 100,
  "Tags": [],
  "VolumeType": "gp2"
}
```

Filter by tags and attributes or search by keyword											
<input type="checkbox"/>	Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information
<input type="checkbox"/>		vol-078e1f74...	1 GiB	gp2	100		October 26, 2020 at...	ap-south-1a	● available	None	
<input type="checkbox"/>		vol-0c31652...	8 GiB	gp2	100	snap-027b63b...	October 26, 2020 at...	ap-south-1a	● in-use	None	i-0a06ad006e50cf73...
<input type="checkbox"/>		vol-0d44798...	10 GiB	gp2	100	snap-0eed802...	October 19, 2020 at...	ap-south-1a	● in-use	None	i-0e6a00e7bcd1154...

3. Attach EBS to EC2 instance

```
C:\Users\Romio_juliete> aws ec2 attach-volume --instance-id i-0a06ad006e50cf731 --volume-id vol-078e1f74bb9682dc7 --device /dev/xvdf
```

```
C:\Users\Romio_juliete>aws ec2 attach-volume --instance-id i-0a06ad006e50cf731 --volume-id vol-078e1f74bb9682dc7 --device /dev/xvdf
{
  "AttachTime": "2020-10-26T18:07:13.441000+00:00",
  "Device": "/dev/xvdf",
  "InstanceId": "i-0a06ad006e50cf731",
  "State": "attaching",
  "VolumeId": "vol-078e1f74bb9682dc7"
}
```

Root device details

Root device name

/dev/xvda

Root device type

EBS

EBS optimization

disabled

Block devices (2)

Filter block devices

Volume ID	Device name	Volume size (G...	Attachment stat...	Attachment time
vol-0c31652a1208b4d95	/dev/xvda	8	✔ Attached	Mon Oct 26 2020 22:45:52 ...
vol-078e1f74bb9682dc7	/dev/xvdf	1	✔ Attached	Mon Oct 26 2020 23:37:13 ...

ARTH TASK 6:

```
[root@ip-172-31-42-202 ~]# fdisk -l
Disk /dev/xvda: 8 GiB, 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
Disklabel type: gpt
Disk identifier: 66B3909F-969E-4FD1-901C-CEE3A9974A83

Device            Start      End  Sectors  Size Type
/dev/xvda1        4096 16777182 16773087    8G Linux filesystem
/dev/xvda128      2048      4095     2048    1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdf: 1 GiB, 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
[root@ip-172-31-42-202 ~]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvda         202:0    0     8G  0 disk
└─xvda1      202:1    0     8G  0 part /
xvdf         202:80   0     1G  0 disk
[root@ip-172-31-42-202 ~]#
```

4. Creating a partition:

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo fdisk /dev/xvdf
```

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo fdisk /dev/xvdf
The authenticity of host '13.235.24.198 (13.235.24.198)' can't be established.
ECDSA key fingerprint is SHA256:Wma37eZg9cqPoUR74ElkYBkbn4CAHvPSPRrETI6hQao.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '13.235.24.198' (ECDSA) to the list of known hosts.

Welcome to fdisk (util-linux 2.30.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
Created a new DOS disklabel with disk identifier 0x9449b0f5.

Command (m for help): n
Partition type
  p   primary (0 primary, 0 extended, 4 free)
  e   extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1):
First sector (2048-2097151, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-2097151, default 2097151): +500M

Created a new partition 1 of type 'Linux' and of size 500 MiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
```

5. Formatting the partition created.

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo mkfs.ext4 /dev/xvdf
```

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo mkfs.ext4 /dev/xvdf
mke2fs 1.42.9 (28-Dec-2013)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
65536 inodes, 262144 blocks
13107 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=268435456
8 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376

Allocating group tables: done
Writing inode tables: done
Creating journal (8192 blocks): done
Writing superblocks and filesystem accounting information: done
```

ARTH TASK 6:

Before mounting, install httpd else the directory /var/www/html will not exist

6. Installing Apache Web server

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo yum  
install httpd -y
```

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.46-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd filesystem = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd filesystem for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
---> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
---> Package httpd filesystem.noarch 0:2.4.46-1.amzn2 will be installed
---> Package httpd-tools.x86_64 0:2.4.46-1.amzn2 will be installed
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.14-2.amzn2 will be installed
--> Running transaction check
---> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
httpd x86_64 2.4.46-1.amzn2 amzn2-core 1.3 M
Installing for dependencies:
apr x86_64 1.6.3-5.amzn2.0.2 amzn2-core 118 k
apr-util x86_64 1.6.1-5.amzn2.0.2 amzn2-core 99 k
apr-util-bdb x86_64 1.6.1-5.amzn2.0.2 amzn2-core 19 k
generic-logos-httpd noarch 18.0.0-4.amzn2 amzn2-core 19 k
httpd filesystem noarch 2.4.46-1.amzn2 amzn2-core 23 k
httpd-tools x86_64 2.4.46-1.amzn2 amzn2-core 87 k
mailcap noarch 2.1.41-2.amzn2 amzn2-core 31 k
mod_http2 x86_64 1.15.14-2.amzn2 amzn2-core 147 k

Transaction Summary
=====
Install 1 Package (+8 Dependent packages)

Total download size: 1.8 M
Installed size: 5.1 M
```

7. Mounting the Partition.

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo mount  
/dev/xvdf1 /var/www/html
```

8. Start the apache web server and check the status

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo  
systemctl start httpd
```

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo  
systemctl status httpd
```

ARTH TASK 6:

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo mount /dev/xvdf1 /var/www/html

C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo systemctl start httpd

C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Active: active (running) since Thu 2020-10-29 07:55:56 UTC; 6s ago
     Docs: man:httpd.service(8)
  Main PID: 16491 (httpd)
    Status: "Processing requests..."
    CGroup: /system.slice/httpd.service
            └─16491 /usr/sbin/httpd -DFOREGROUND
              └─16492 /usr/sbin/httpd -DFOREGROUND
                └─16493 /usr/sbin/httpd -DFOREGROUND
                  └─16494 /usr/sbin/httpd -DFOREGROUND
                    └─16495 /usr/sbin/httpd -DFOREGROUND
                      └─16496 /usr/sbin/httpd -DFOREGROUND

Oct 29 07:55:56 ip-172-31-42-202.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 29 07:55:56 ip-172-31-42-202.ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
```

9. Login in instance via CLI.

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem
```

```
C:\Users\Romio_juliete\Desktop\pem>ssh -l ec2-user 13.235.24.198 -i webserver.pem
Last login: Thu Oct 29 07:46:15 2020 from ec2-13-233-177-1.ap-south-1.compute.amazonaws.com

Last login: Thu Oct 29 07:46:15 2020 from ec2-13-233-177-1.ap-south-1.compute.amazonaws.com

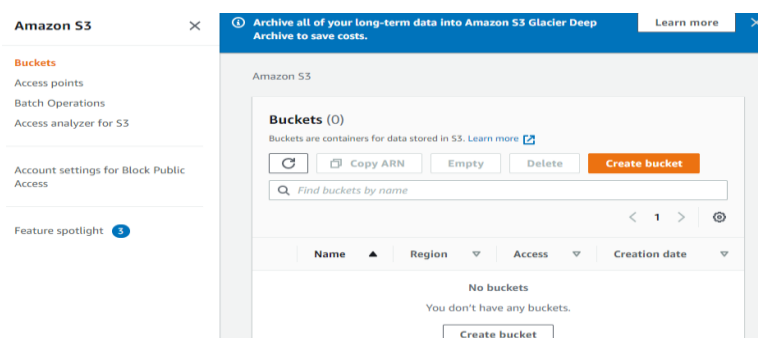
 _ | _ | _ )
 _ | ( _ /   Amazon Linux 2 AMI
 _ | \ _ | _ |

https://aws.amazon.com/amazon-linux-2/
26 package(s) needed for security, out of 40 available
Run "sudo yum update" to apply all updates.
```

10. Creating the webpage: aks.html

```
[ec2-user@ip-172-31-42-202 ~]$ sudo su - root
Last login: Thu Oct 29 07:46:26 UTC 2020 on pts/4
[root@ip-172-31-42-202 ~]# cd /var/www/html
-bash: cd: /var/www/html: No such file or directory
[root@ip-172-31-42-202 ~]# cd /var/www/html
[root@ip-172-31-42-202 html]# ls
lost+found
[root@ip-172-31-42-202 html]# vi aks.html
[root@ip-172-31-42-202 html]# cd /home/ec2-user
[root@ip-172-31-42-202 ec2-user]# ls
profile.jpg
[root@ip-172-31-42-202 ec2-user]# cp profile.jpg /var/www/html
[root@ip-172-31-42-202 ec2-user]# cd /var/www/html
[root@ip-172-31-42-202 html]# ls
aks.html  lost+found  profile.jpg
```

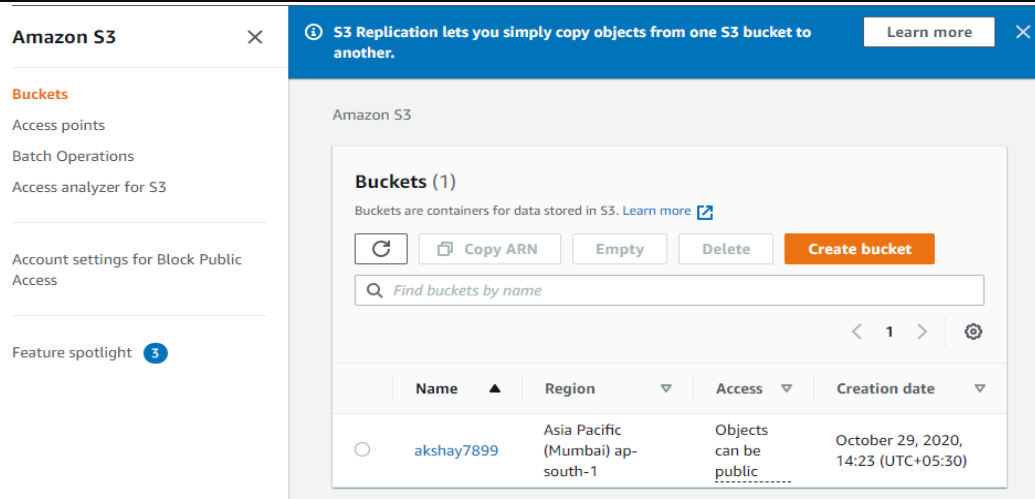
11. Creating a bucket:



ARTH TASK 6:

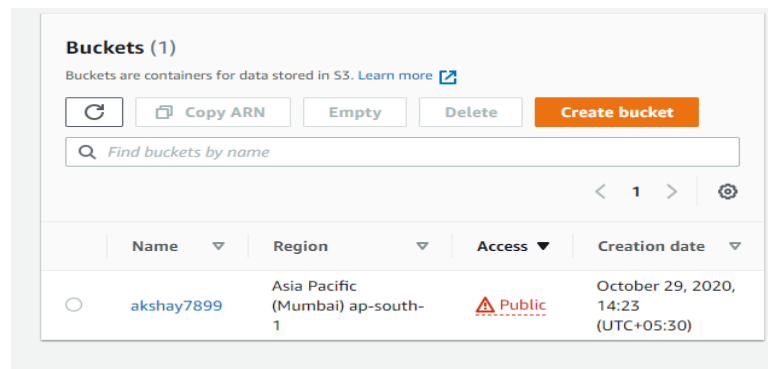
C:\Users\Romio_juliete\Desktop\pem>aws s3api create-bucket --bucket akshay7899 --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1

```
C:\Users\Romio_juliete\Desktop\pem>aws s3api create-bucket --bucket akshay7899 --region ap-south-1 --create-bucket-configuration LocationConstraint=ap-south-1
{
  "Location": "http://akshay7899.s3.amazonaws.com/"
}
```



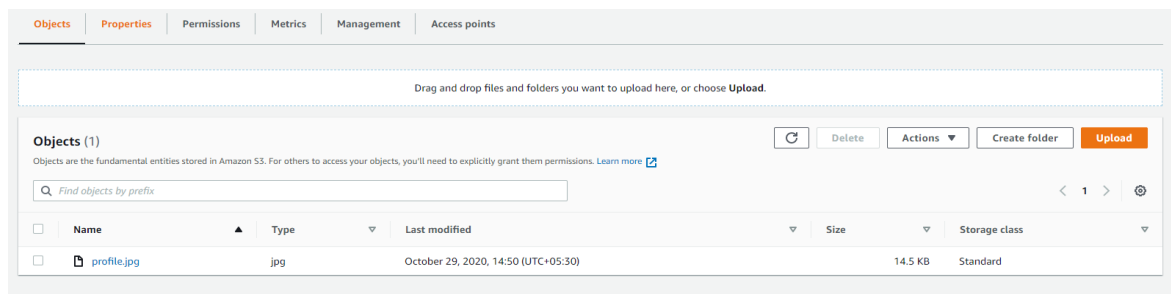
✓ Making the bucket publicly accessible:

C:\Users\Romio_juliete\Desktop\pem>aws s3api put-bucket-acl --acl public-read --bucket akshay7899



✓ Putting the object in bucket:

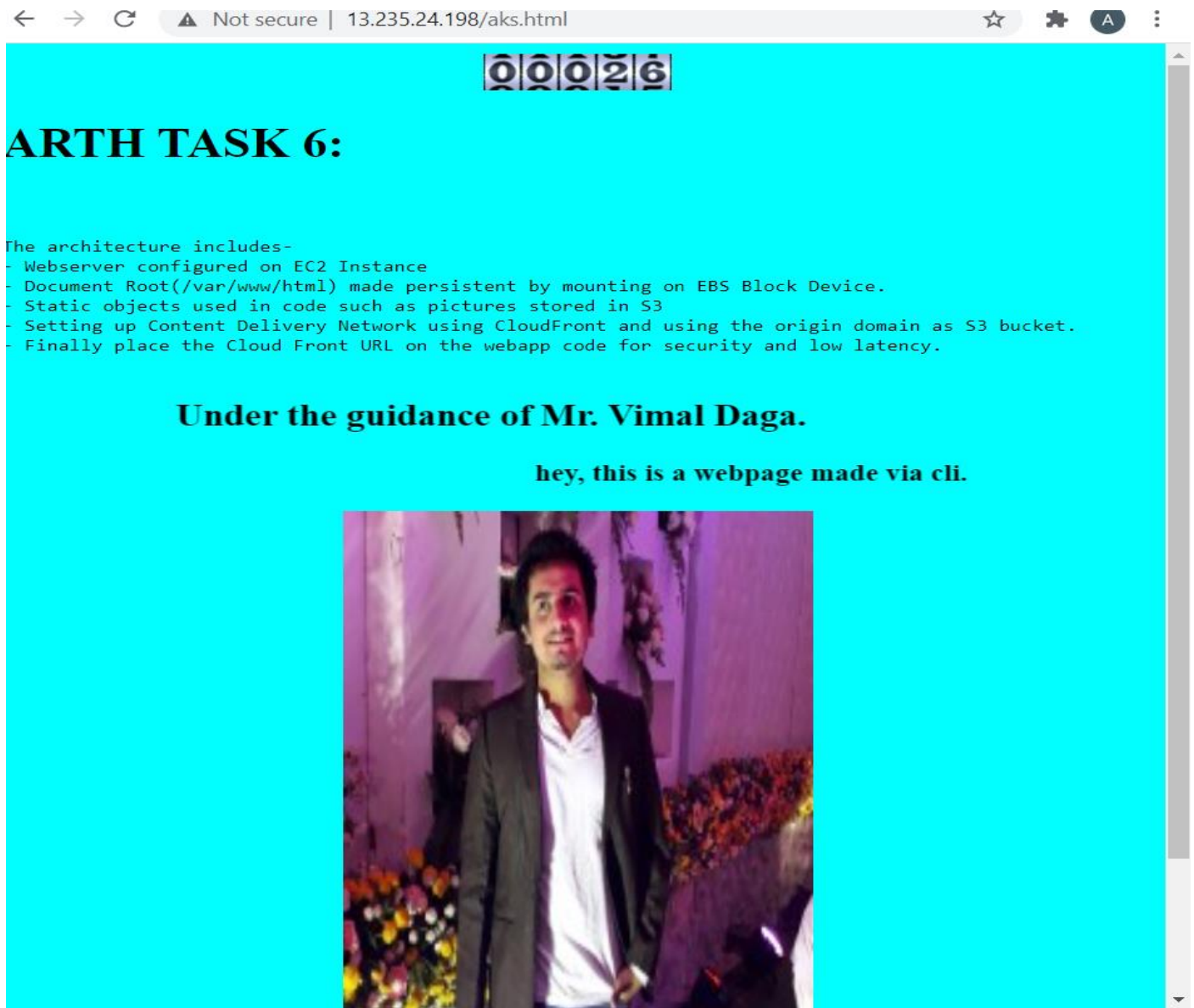
C:\Users\Romio_juliete\Desktop\pem>aws s3api put-object --bucket akshay7899 --key profile.jpg --body C:\Users\Romio_juliete\Desktop\images\profile.jpg



✓ Making the object file public.

ARTH TASK 6:

Adding the link of object url in the html file, and the interface looks like:



ARTH TASK 6:

12. Creating the CloudFront Distribution: linking object in S3 to every edge location to decrease the latency.

C:\Users\Romio_juliete\Desktop\pem>aws cloudfront create-distribution --origin-domain-name akshay7899.s3.amazonaws.com --default-root-object profile.jpg

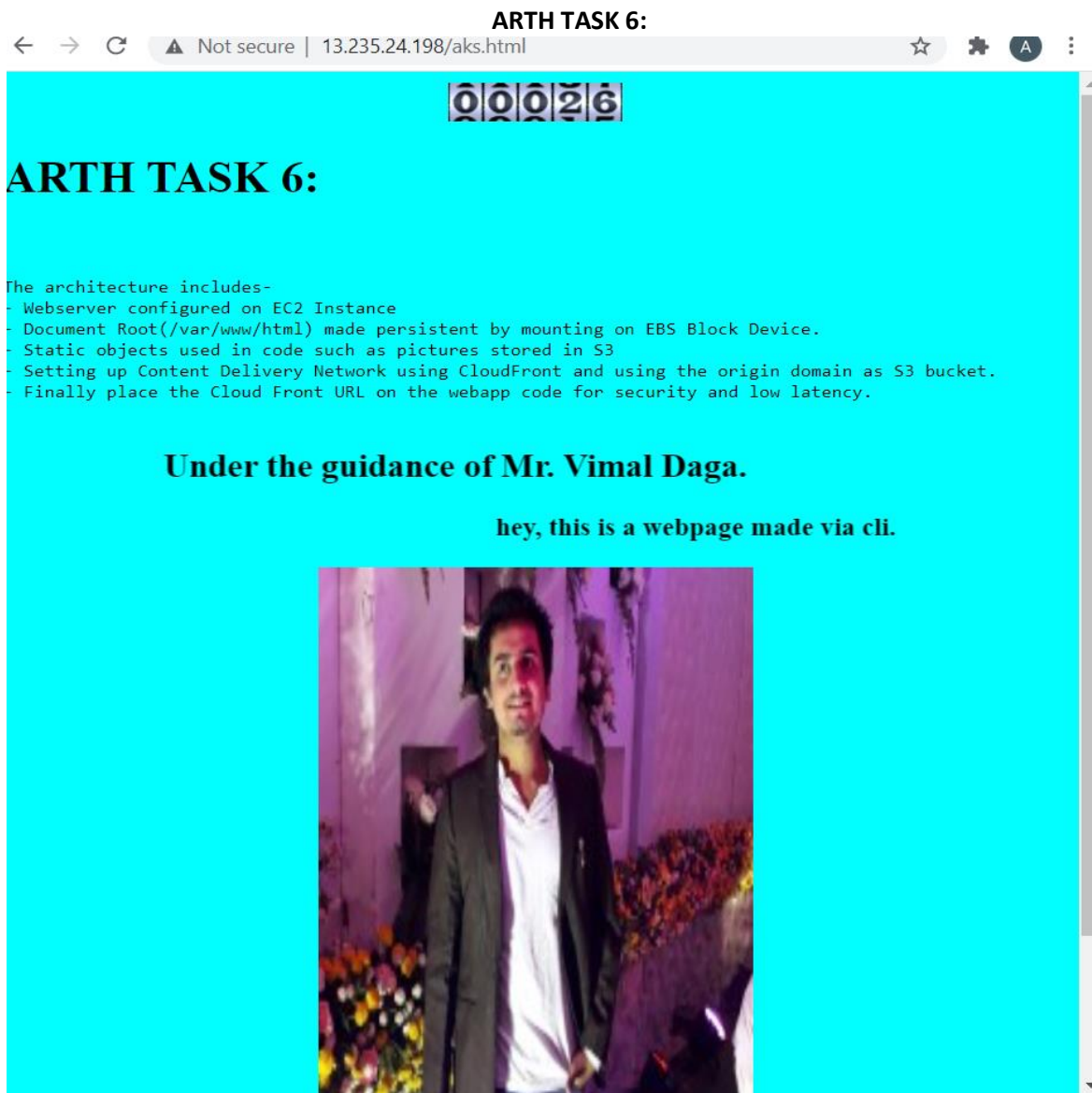
```
C:\Users\Romio_juliete>aws cloudfront create-distribution --origin-domain-name akshay7899.s3.amazonaws.com --default-root-object profile.jpg
{
  "Location": "https://cloudfront.amazonaws.com/2020-05-31/distribution/E2Z4X7STOJJGIT",
  "ETag": "EL35R2KAYEBJR",
  "Distribution": {
    "Id": "E2Z4X7STOJJGIT",
    "ARN": "arn:aws:cloudfront::675678579729:distribution/E2Z4X7STOJJGIT",
    "Status": "InProgress",
    "LastModifiedTime": "2020-10-29T12:41:26.980000+00:00",
    "InProgressInvalidationBatches": 0,
    "DomainName": "d3mc1se2fykfun.cloudfront.net",
    "ActiveTrustedSigners": {
      "Enabled": false,
      "Quantity": 0
    },
    "DistributionConfig": {
      "CallerReference": "cli-1603975283-242430",
      "Aliases": {
        "Quantity": 0
      },
      "DefaultRootObject": "profile.jpg",
      "Origins": {
        "Quantity": 1,
        "Items": [
          {
            "Id": "akshay7899.s3.amazonaws.com-1603975283-196795",
            "DomainName": "akshay7899.s3.amazonaws.com",
            "OriginPath": "",
            "CustomHeaders": {
              "Quantity": 0
            },
            "S3OriginConfig": {
              "OriginAccessIdentity": ""
            },
            "ConnectionAttempts": 3,
            "ConnectionTimeout": 10
          }
        ]
      },
      "OriginGroups": {
        "Quantity": 0
      }
    }
  }
}
```

Delivery Method	ID	Domain Name	Comment	Or	CNI	Status	State	Last M
<input checked="" type="checkbox"/> Web	E2Z4X7STOJJGIT	d3mc1se2fykfun.cloudfront.net	-	aks	-	Deployed	Enabled	2020-1

13. Updating the link in html file with cloud-front domain name.

```
</marquee>
<img title='yay !!' src='http://d3mc1se2fykfun.cloudfront.net' height='500' width='300' />
```

And it's working.



CONCLUSION:

Successful completed Arth Task 6

Making an instance, Attaching EBS where code is written, Attaching S3 for static data.And finally, creating the cloud front distribution to create a local cache to all Edge locations to decrease the latency. Deploying the websrver

All done via awscli.

Thank you.