

AWS Assignment

1)

The screenshot shows two windows from the AWS Management Console, both titled "simple_aec_recording".

The top window displays the "Your VPCs" page. It lists two VPCs: "my_vpc_prac" (VPC ID: vpc-021bb831db943097db, State: Available, IPv4 CIDR: 10.0.0.0/16) and "vpc-0499d25c602ed582" (VPC ID: vpc-0499d25c602ed582, State: Available, IPv4 CIDR: 172.31.0.0/16). The left sidebar shows the navigation menu for VPC services.

The bottom window displays the "Subnets" page. It shows five subnets under the "public_sub" and "private_sub" VPCs. The subnets are:

Name	Subnet ID	VPC	IPv4 CIDR	Available IPv4 addresses
subnet-036e0731b26d321fb	vpc-0499d25c602ed582	172.31.32.0/20	4091	
subnet-054422ea82640542e	vpc-0499d25c602ed582	172.31.16.0/20	4091	
public_sub	subnet-0256cc5b97db0f546	vpc-021bb831db943097db m...	251	
private_sub	subnet-06471a5ad501ca4c	vpc-021bb831db943097db m...	251	
-	subnet-011c5b075b2847ba4	vpc-0499d25c602ed582	4091	

The left sidebar of this window also shows the navigation menu for VPC services.

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The screenshot shows two separate sessions of the AWS VPC console, both titled "simple_aac_recording".

NAT gateways (1/1) Info:

Name	NAT gateway ID	Connectivity type	State	Elastic IP address	Private IP address	Network interface ID
my_nat	nat-028554a09140397bd	Public	Pending	-	10.0.0.105	eni-0a85a93aa0763aafb

Route tables (1/3) Info:

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
Default	rtb-05dc1659f1ab40dd7	-	-	Yes	vpc-0f499d25c602ed382
private	rtb-043042b6837592e4e	subnet-06c471a5ad581cac4 / private_sub	-	Yes	vpc-021b831d0943097db my_vpc_prac
public	rtb-0a3d041fc531a624f	-	-	No	vpc-021b831d0943097db my_vpc_prac

Routes (2)

Destination	Target	Status	Propagated
10.0.0.16	local	Active	No
0.0.0.0/0	igw-0659d8e61da79cc85	Active	No

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2)

```

New EC2 Experience
Tell us what you think

Instances (3) Info
Filter instances
EC2 Dashboard
EC2 Global View
Events
Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Public IPv4 ... Elastic IP
- i-03a5d225b1415f78d Terminated @ 1 min t2.micro - No alarms + us-west-2a -
- i-03a5d225b1415f78d Terminated @ 1 min t2.micro - No alarms + us-west-2a -
- i-03a5d225b1415f78d Terminated @ 1 min t2.micro - No alarms + us-west-2a -
3 package(s) needed for security, out of 15 available
Run apt-get update to apply all updates.
[ec2-user@ip-172-31-34-115 ~]$ systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
     Active: active (running) since Wed 2021-10-27 16:45:54 UTC; 3min 29s ago
       Docs: man:httpd(8)
Main PID: 3367 (httpd)
Status: "Total requests: 1; Idle/Busy workers 100/0;Requests/sec: 0.00478; Bytes served/sec: 2 B/sec"
CGroup: /system.slice/httpd.service
    ├─3367 /usr/sbin/httpd -DFOREGROUND
    ├─3369 /usr/sbin/httpd -DFOREGROUND
    ├─3369 /usr/sbin/httpd -DFOREGROUND
    ├─3370 /usr/sbin/httpd -DFOREGROUND
    ├─3371 /usr/sbin/httpd -DFOREGROUND
    └─3372 /usr/sbin/httpd -DFOREGROUND

Oct 27 16:45:54 ip-172-31-34-115.us-west-2.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 27 16:45:54 ip-172-31-34-115.us-west-2.compute.internal systemd[1]: Started The Apache HTTP Server.
[ec2-user@ip-172-31-34-115 ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback brd 00:00:00:00:00:00
    inet 127.0.0.1/8 brd 00:00:00:00:00:00
        valid_lft forever preferred_lft forever
        inet6 ::1/128 brd 00:00:00:00:00:00
            valid_lft forever preferred_lft forever
2: eth0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 9000 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 06:ca:fa:07:e0:77 brd ff:ff:ff:ff:ff:ff
    inet 172.31.34.115/24 brd 172.31.47.255 scope global dynamic eth0
        valid_lft 3355sec preferred_lft 3355sec
        inet6 fe80::4ca:faff:fe07:e077/64 scope link
            valid_lft forever preferred_lft forever
[ec2-user@ip-172-31-34-115 ~]$ curl 172.31.34.115
Hello World!
[ec2-user@ip-172-31-34-115 ~]$ 

```

i-0a0b6a356ed9db287 (aws-3rd)
Public IP: 54.245.180.115 Private IP: 172.31.34.115

3)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
3rd	i-0aa0261430eb8b36b	Terminated @ 1 min	t2.micro	-	No alarms +	us-west-2a	-	54.220.91.144	-
aws-3rd	i-0a0b6a356ed9db287	Terminated @ 1 min	t2.micro	-	No alarms +	us-west-2a	-	54.245.180.115	-
windows	i-056d007c53d355653	Running @ 1 min	t2.micro	2/2 checks passed	No alarms +	us-west-2a	ec2-54-202-15-105.us-west-2.compute.internal	54.202.15.105	-

Instance: i-056d007c53d355653 (windows)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

Instance ID: i-056d007c53d355653 (windows)

Public IPv4 address copied: 54.202.15.105 | open address

Private IPv4 DNS: ip-172-31-39-54.us-west-2.compute.internal

IPV6 address: -

Instance state: Running

Instance type: t2.micro

VPC ID: AWS Compute Optimizer finding

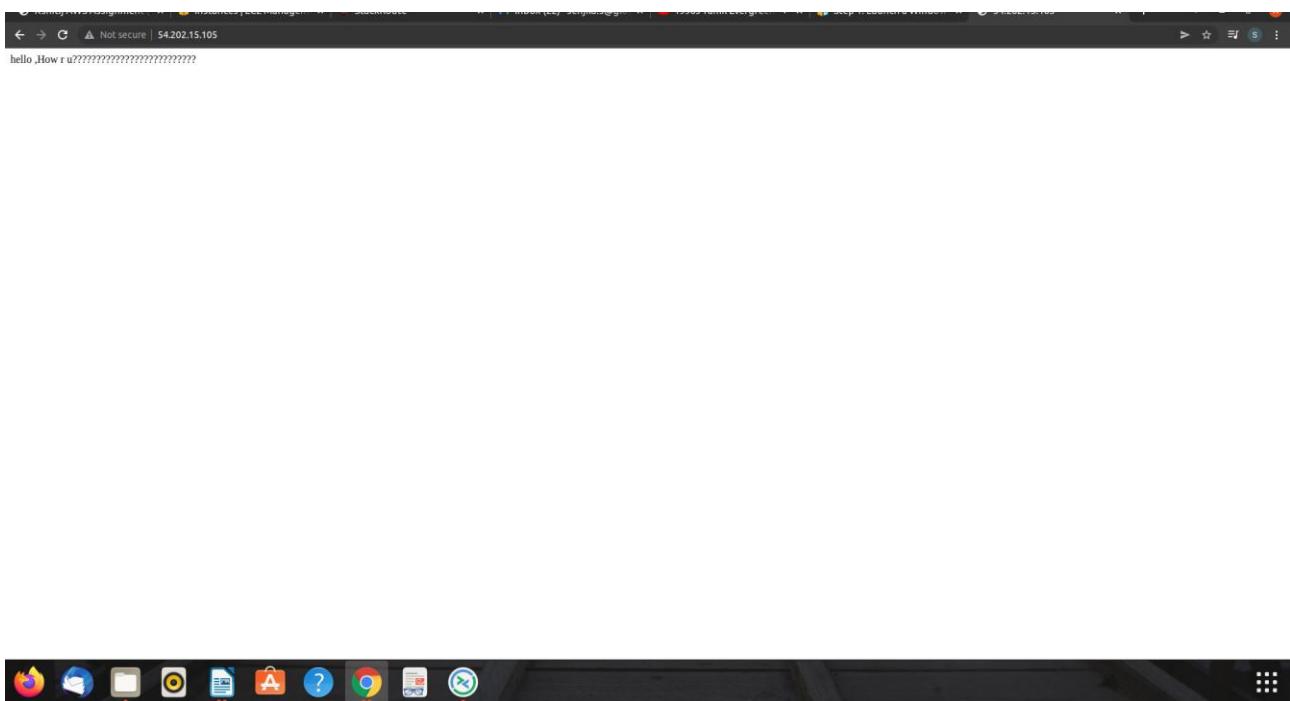
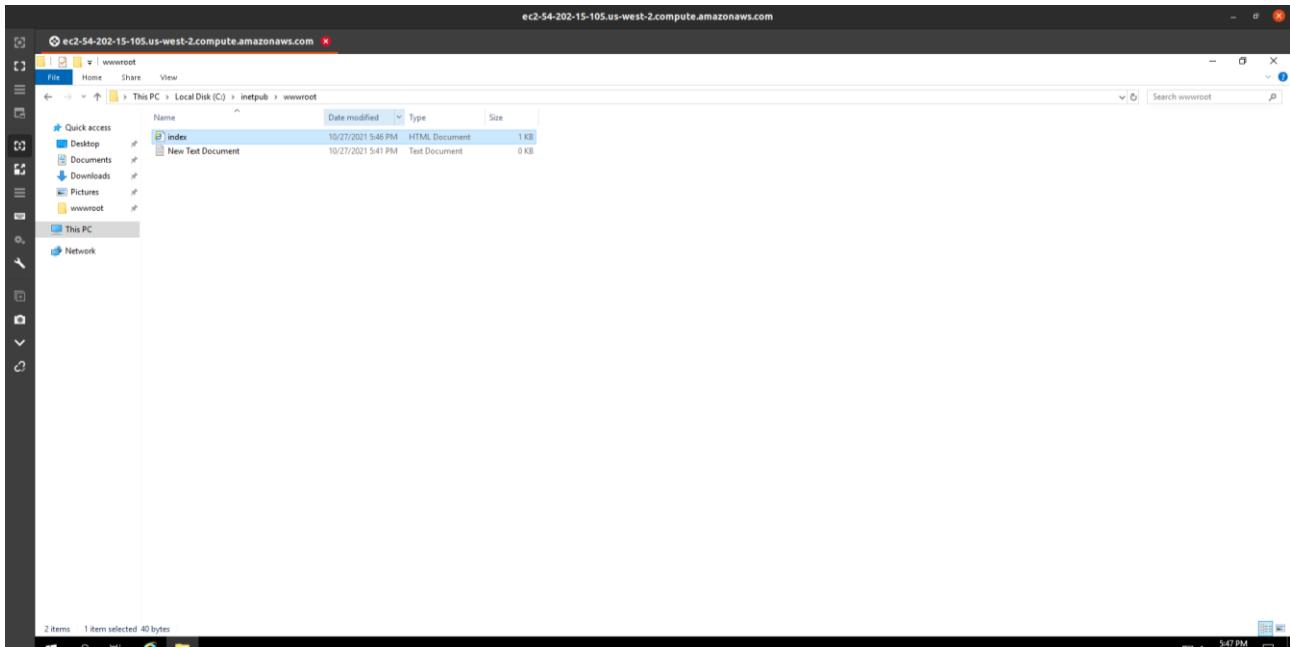
Private IPv4 addresses: 172.31.39.54

Public IPv4 DNS: ec2-54-202-15-105.us-west-2.compute.amazonaws.com | open address

Elastic IP addresses: -

IAM Role: -

AWS Assignment



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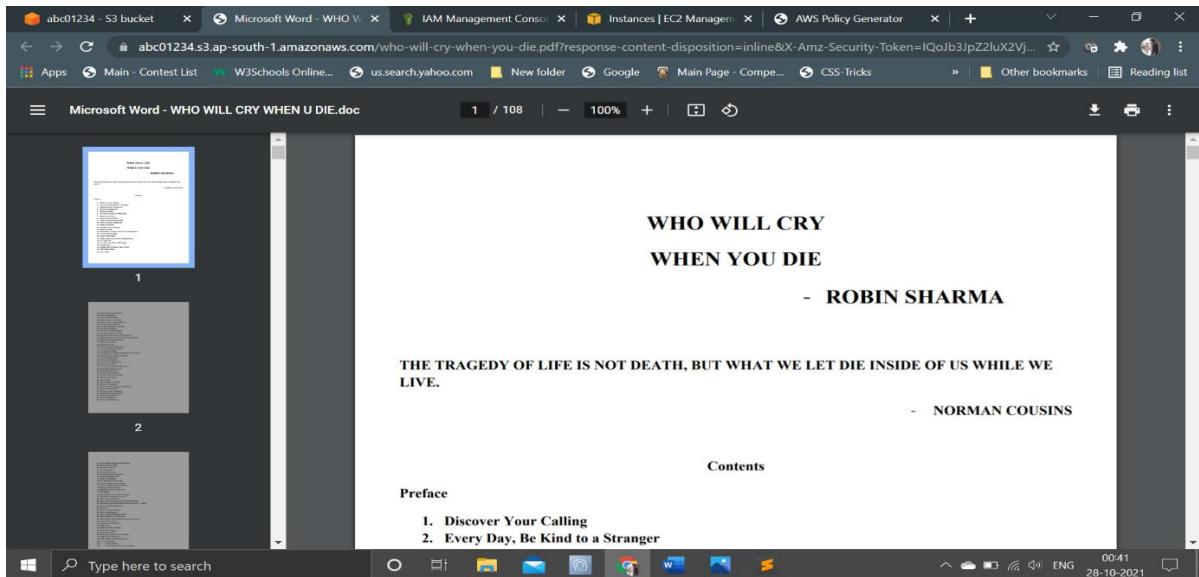
The screenshot shows the 'Edit bucket policy' page for the 'abc01234' bucket. The left sidebar lists various AWS services. The main area displays a JSON-based bucket policy:

```
1  {
2    "Id": "Policy1635361720063",
3    "Version": "2012-10-17",
4    "Statement": [
5      {
6        "Sid": "Stmt1635361650134",
7        "Action": [
```

The screenshot shows the 'Edit bucket policy' page for the 'abc01234' bucket. The left sidebar lists various AWS services. The main area displays a JSON-based bucket policy with many statements allowing various S3 actions:

```
1  {
2    "Id": "Policy1635361720063",
3    "Version": "2012-10-17",
4    "Statement": [
5      {
6        "Sid": "Stmt1635361650134",
7        "Action": [
8          "s3:ListAllMyBuckets",
9          "s3:ListBucket",
10         "s3:ListBucketMultipartUploads",
11         "s3:ListBucketVersions",
12         "s3:ListJobs",
13         "s3:ListMultiRegionAccessPoints",
14         "s3:ListMultipartUploadParts"
15       ],
16       "Effect": "Allow",
17       "Resource": "arn:aws:s3:::abc01234",
18       "Principal": {
19         "AWS": [
20           "arn:aws:iam::213250102049:user/krish"
21         ]
22       }
23     },
24     {
25       "Sid": "Stmt1635361717820",
26       "Action": [
27         "s3:CreateBucket"
28       ]
29     }
30   ]
31 }
```

AWS Assignment



5)

```
ec2-user@ip-172-31-95-100:~$ mysql -h globallogodb.cg9eozmwiob.us-east-1.rds.amazonaws.com -u admin -p dbglobal
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 45
Server version: 8.0.23 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [dbglobal]> show databases;
+-----+
| Database |
+-----+
| dbglobal |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

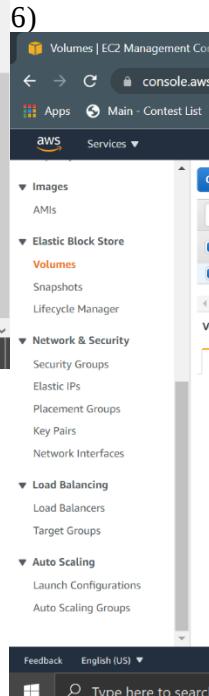
MySQL [dbglobal]> use dbglobal;
Database changed
MySQL [dbglobal]> show tables;
Empty set (0.00 sec)

MySQL [dbglobal]> create table emp(
    >     name varchar(39),
    >     id varchar(19),
    > );
Query OK, 0 rows affected (0.03 sec)

MySQL [dbglobal]> show tables;
+-----+
| Tables_in_dbglobal |
+-----+
| emp |
+-----+
1 row in set (0.00 sec)

MySQL [dbglobal]> select * from emp;
Empty set (0.00 sec)
```

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AWS Assignment

The screenshot shows the AWS EC2 Management Console. On the left, there's a sidebar with various services like EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main area shows a table of volumes, with one specific volume selected: 'EbsVolumeF...' (Volume ID: vol-0f588b6b04d7e2ae7). A modal dialog box titled 'Attach Volume' is open over the table. In the dialog, the 'Volume' dropdown is set to 'vol-0f588b6b04d7e2ae7 (EbsVolumeForLinux) in us-east-1b'. The 'Instance' dropdown contains the value 'i-0563fb829cbfa948'. The 'Device' dropdown is set to '/dev/sdf'. Below these fields, a note states: 'Note: Newer Linux kernels may rename your devices to /dev/xvdf through /dev/xvdp internally, even when the device name entered here (and shown in the details) is /dev/sdf through /dev/sdp.' At the bottom right of the dialog are 'Cancel' and 'Attach' buttons.

The screenshot shows a terminal window on an AWS Linux 2 AMI. The user has logged in as 'ec2-user'. The terminal output includes:

```
ec2-user@ip-172-31-86-121:~$ login as: ec2-user
[ec2-user@ip-172-31-86-121 ~]$ Authenticating with public key "imported-openssh-key"
Last login: Wed Oct 27 19:55:51 2021 from 157.35.40.173
[ec2-user@ip-172-31-86-121 ~]$ lsblk
NAME   MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
xvda    202:0    0   8G  0 disk
└─xvda1 202:1    0   8G  0 part /
[ec2-user@ip-172-31-86-121 ~]$ 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
[ec2-user@ip-172-31-86-121 ~]$
```

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```
--> Finished Dependency Resolution
Dependencies Resolved
=====
Package           Arch      Version       Repository   Size
=====
Installing:
amazon-efs-utils    noarch   1.31.2-1.amzn2   amzn2-core     46 k
Installing for dependencies:
stunnel            x86_64   4.56-6.amzn2.0.3   amzn2-core   149 k
=====
Transaction Summary
=====
Install 1 Package (+1 Dependent package)
=====
Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm | 46 kB 00:00:00
(2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 00:00:00
=====
Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : stunnel-4.56-6.amzn2.0.3.x86_64          1/2
  Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2
  Verifying   : stunnel-4.56-6.amzn2.0.3.x86_64          1/2
  Verifying   : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2
=====
Installed:
  amazon-efs-utils.noarch 0:1.31.2-1.amzn2
Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3
Complete!
[root@ip-172-31-41-152 ec2-user]#
```

```
otal download size: 195 k
nstalled size: 479 k
ownloading packages:
1/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm | 46 kB 00:00:00
2/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 00:00:00
=====
otal
unning transaction check
unning transaction test
ransaction test succeeded
unning transaction
  Installing : stunnel-4.56-6.amzn2.0.3.x86_64          1/2
  Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2
  Verifying   : stunnel-4.56-6.amzn2.0.3.x86_64          1/2
  Verifying   : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2
=====
nstalled:
  amazon-efs-utils.noarch 0:1.31.2-1.amzn2
Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3
Complete!
root@ip-172-31-41-152 ec2-user]# ls
root@ip-172-31-41-152 ec2-user]# mkdir efsdir
root@ip-172-31-41-152 ec2-user]# sudo mount -t efs -o tls fs-0e42c5d414f8a9d78:/ efsdir
root@ip-172-31-41-152 ec2-user]# df -h
Filesystem  Size  Used  Avail Use% Mounted on
tmpfs        482M   0B  482M  0% /dev
tmpfs        492M   0B  492M  0% /dev/shm
mpfs        492M  460K  492M  1% /run
mpfs        492M   0B  492M  0% /sys/fs/cgroup
dev/xvda1    8.0G  1.5G  6.6G 19% /
mpfs        99M   0B  99M  0% /run/user/1000
27.0.0.1:/   8.0E   0B  8.0E  0% /home/ec2-user/efsdir
root@ip-172-31-41-152 ec2-user]# cd efsdir/
root@ip-172-31-41-152 efsdir]# touch a1 a2
root@ip-172-31-41-152 efsdir]# ls
a1 a2
root@ip-172-31-41-152 efsdir]#
```

AWS Assignment

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with navigation links like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, and more. The main area displays a table of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, Public IPv4 IP, and Elastic IP. Two instances are listed: EFS-01 and EFS-02, both running t2.micro instances. Below the table, a detailed view for instance EFS-01 is expanded, showing tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The Details tab is selected, displaying the Instance summary and Info section. The Instance summary table includes columns for Instance ID, Public IPv4 address, Private IPv4 addresses, IPv6 address, Instance state, Public IPv4 DNS, Instance type, and Elastic IP addresses.

```

stunnel x86_64 4.56-6.amzn2.0.3 amzn2-core 149 k
Transaction Summary
=====
Install 1 Package (+1 Dependent package)

Total download size: 195 k
Installed size: 479 k
Downloading packages:
(1/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm | 149 kB 00:00:00
(2/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm | 46 kB 00:00:00
=====
total 1.1 MB/s | 195 kB 00:00:00

Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : stunnel-4.56-6.amzn2.0.3.x86_64 1/2
  Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2
  Verifying : stunnel-4.56-6.amzn2.0.3.x86_64 1/2
  Verifying : amazon-efs-utils-1.31.2-1.amzn2.noarch 2/2

Installed:
  amazon-efs-utils.noarch 0:1.31.2-1.amzn2

Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3

Complete!
[root@ip-172-31-42-45 ec2-user]# ls
[root@ip-172-31-42-45 ec2-user]# mkdir efsdir
[root@ip-172-31-42-45 ec2-user]# ls
efsdir
[root@ip-172-31-42-45 ec2-user]# sudo mount -t efs .o tls fs-0e42c5d414f8a9d78:/ efsdir
[root@ip-172-31-42-45 ec2-user]# ls
a1 a2
[root@ip-172-31-42-45 efsdir]#

```

AWS Assignment

```
Transaction Summary
=====
Install 1 Package (+1 Dependent package)

Total download size: 195 k
Installed size: 479 k
downloading packages:
(1/2): stunnel-4.56-6.amzn2.0.3.x86_64.rpm
(2/2): amazon-efs-utils-1.31.2-1.amzn2.noarch.rpm
=====
Total
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : stunnel-4.56-6.amzn2.0.3.x86_64
  Installing : amazon-efs-utils-1.31.2-1.amzn2.noarch
  Verifying  : stunnel-4.56-6.amzn2.0.3.x86_64
  Verifying  : amazon-efs-utils-1.31.2-1.amzn2.noarch
=====
Installed:
  amazon-efs-utils.noarch 0:1.31.2-1.amzn2
Dependency Installed:
  stunnel.x86_64 0:4.56-6.amzn2.0.3
=====
Complete!
[root@ip-172-31-41-152 ec2-user]# ls
[root@ip-172-31-42-45 ec2-user]# mkdir efsdir
[root@ip-172-31-42-45 ec2-user]# ls
efsdir
[root@ip-172-31-42-45 ec2-user]# sudo mount -t efs fs-0e42c5d414f8a9d78:/root@ip-172-31-42-45 ec2-user]# ls
efsdir
[root@ip-172-31-42-45 ec2-user]# cd efsdir/
[root@ip-172-31-42-45 efsdir]# ls
a1 a2
[root@ip-172-31-42-45 efsdir]# 
[root@ip-172-31-41-152 efsdir]# 
```

8)

The screenshot shows the AWS SNS console with a green header bar indicating that the topic 'covidwarning' was created successfully. Below the header, the 'Topics' section is selected. A table displays the details of the 'covidwarning' topic, including its Name (covidwarning), ARN (arn:aws:sns:ap-south-1:787619482938:covidwarning), and Type (Standard). At the bottom, there are tabs for Subscriptions, Access policy, Delivery retry policy (HTTP/S), Delivery status logging, Encryption, and Tags. The Subscriptions tab shows a table with one row labeled '(0)' and a 'Create subscription' button.

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Message structure

Identical payload for all delivery protocols.
The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.

Custom payload for each delivery protocol.
Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

Message body to send to the endpoint

1 Saty safe
2 VACCINATION DOSE STATUS
3 VACCINATION TODAY
4 55,89,124
5 VACCINATION DOSES DAY BEFORE
6 1,83,53,25,577
7 TOTAL VACCINATION DOSES
8 SARS-COV-2
9 TESTING STATUS UP TO OCT 26, 2021
10 13,05,962
11 SAMPLES TESTED ON OCT 26, 2021
12 60,32,07,505
13 TOTAL SAMPLES TESTED
14 Statewise
15 CASES ACROSS INDIA
16 1.62.661

Message attributes

Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message. [Info](#)

warning Saty Inbox ×

AWS Notifications <no-reply@sns.amazonaws.com>

to me ▾

Saty safe

VACCINATION DOSE STATUS

VACCINATION TODAY

55,89,124

VACCINATION DOSES DAY BEFORE

1,03,53,25,577

TOTAL VACCINATION DOSES

SARS-COV-2

TESTING STATUS UP TO OCT 26, 2021

13,05,962

SAMPLES TESTED ON OCT 26, 2021

60,32,07,505

TOTAL SAMPLES TESTED

Statewise

CASES ACROSS INDIA

1,62,661

1,155

ACTIVE CASES (0.48%)

TOTAL CASES

3,42,15,653

13,451

DISCHARGED

(98.19%)

3,35,97,339

14,021

DEATHS

/1 22061

AWS Assignment

Create hosted zone [Info](#)

Hosted zone configuration
A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

Domain name [Info](#)
This is the name of the domain that you want to route traffic for.

Valid characters: a-z, 0-9, ! * # % & ' () ^ * , - / ; : < = > ? @ [\] ^ _ { } , ~

Description - optional [Info](#)
This value lets you distinguish hosted zones that have the same name.

The description can have up to 256 characters. 0/256

Type [Info](#)
The type indicates whether you want to route traffic on the internet or in an Amazon VPC.
 Public hosted zone
A public hosted zone determines how traffic is routed on the internet.
 Private hosted zone
A private hosted zone determines how traffic is routed within an Amazon VPC.

VPCs to associate with the hosted zone [Info](#)
To use this hosted zone to resolve DNS queries for one or more VPCs, choose the VPCs. To associate a VPC with a hosted zone when the VPC was created using a different AWS account, you must use a programmatic method, such as the AWS CLI.

logic.com [Info](#)

Hosted zone details [Edit hosted zone](#)

[Records \(2\)](#) [Hosted zone tags \(0\)](#)

Records (2) [Info](#)
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

<input type="checkbox"/>	Record name	Type	Routing	Alias	Value/Route traffic to
<input type="checkbox"/>	logic.com	NS	Simple	-	ns-1536.awsdns-00.co.uk. ns-0.awsdns-00.com. ns-1024.awsdns-00.org. ns-512.awsdns-00.net.
<input type="checkbox"/>	logic.com	SOA	Simple	-	ns-1536.awsdns-00.co.uk. awsdns-hostmaster.amazon.com. 1 7200 96

AWS Assignment

Step 3: Configure Instance Details

IAM role: None [Create new IAM role](#)

Shutdown behavior: Stop

Stop - Hibernate behavior: Enable hibernation as an additional stop behavior

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring
Additional charges apply

Tenancy: Shared - Run a shared hardware instance
Additional charges will apply for dedicated tenancy.

Credit specification: Unlimited
Additional charges may apply

File systems: [Add file system](#) [Create new file system](#)

Advanced Details

Enclave: Enable

Metadata accessible: Enabled

Metadata version: V1 and V2 (token optional)

Metadata token response hop limit: 1

User data:

```
#!/bin/bash
yum install httpd -y
systemctl start httpd
systemctl enable httpd
echo "WebpageServer1" >> /var/www/html/index.html
systemctl restart httpd
```

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

logic.com [Info](#)

[Delete zone](#) [Test record](#) [Configure query logging](#)

Hosted zone details [Edit hosted zone](#)

[Records \(3\)](#) [Hosted zone tags \(0\)](#)

Records (1/3) Info
Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

[Delete record](#) [Import zone file](#) [Create record](#)

Filter records by property or value [Type](#) [Routing ...](#) [Alias](#) [<](#) [1](#) [>](#) [⚙️](#)

Record name	Type	Routing	Alias	Value/Route traffic to
logic.com	NS	Simple	-	ns-1536.awsdns-00.co.uk. ns-0.awsdns-00.com. ns-1024.awsdns-00.org. ns-512.awsdns-00.net.
logic.com	SOA	Simple	-	ns-1536.awsdns-00.co.uk. awsdns-hostmaster.amazon.com. 1 7200 90
www.logic.com	A	Simple	-	13.127.171.46

[Edit record](#)

Record name: www.logic.com

Record type: A

Value: 13.127.171.46

Alias: No

TTL (seconds): 300

Routing policy: Simple

AWS Assignment

```
[root@ip-172-31-44-140 ec2-user]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
     Active: active (running) since Thu 2021-10-28 02:59:29 UTC; 2min 34s ago
       Docs: man:httpd.service(8)
 Main PID: 3371 (httpd)
 Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
 CGroup: /system.slice/httpd.service
         ├─3371 /usr/sbin/httpd -DFOREGROUND
         ├─3372 /usr/sbin/httpd -DFOREGROUND
         ├─3373 /usr/sbin/httpd -DFOREGROUND
         ├─3374 /usr/sbin/httpd -DFOREGROUND
         ├─3375 /usr/sbin/httpd -DFOREGROUND
         └─3376 /usr/sbin/httpd -DFOREGROUND

Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Stopped The Apache HTTP Server.
Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-44-140 ec2-user]# ip add show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
            inet6 ::1/128 scope host
                valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 02:8a:7a:88:3f:f8 brd ff:ff:ff:ff:ff:ff
        inet 172.31.44.140/20 brd 172.31.47.255 scope global dynamic eth0
            valid_lft 3396sec preferred_lft 3396sec
            inet6 fe80::8a:7aff:fe88:3ff8/64 scope link
                valid_lft forever preferred_lft forever
[root@ip-172-31-44-140 ec2-user]# curl http://www.logic.com
Webpageserver1
[root@ip-172-31-44-140 ec2-user]# curl https://www.logic.com
curl: (7) Failed to connect to www.logic.com port 443: Connection refused
[root@ip-172-31-44-140 ec2-user]# curl http://www.logic.com
Webpageserver1
[root@ip-172-31-44-140 ec2-user]# cat /var/www/html/index.html
Webpageserver1
[root@ip-172-31-44-140 ec2-user]#
```

```
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 15 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-44-140 ~]$ sudo su
[root@ip-172-31-44-140 ec2-user]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
     Active: active (running) since Thu 2021-10-28 02:59:29 UTC; 2min 34s ago
       Docs: man:httpd.service(8)
 Main PID: 3371 (httpd)
 Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
 CGroup: /system.slice/httpd.service
         ├─3371 /usr/sbin/httpd -DFOREGROUND
         ├─3372 /usr/sbin/httpd -DFOREGROUND
         ├─3373 /usr/sbin/httpd -DFOREGROUND
         ├─3374 /usr/sbin/httpd -DFOREGROUND
         ├─3375 /usr/sbin/httpd -DFOREGROUND
         └─3376 /usr/sbin/httpd -DFOREGROUND

Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Stopped The Apache HTTP Server.
Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 28 02:59:29 ip-172-31-44-140.ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-44-140 ec2-user]# ip add show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
            inet6 ::1/128 scope host
                valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 02:8a:7a:88:3f:f8 brd ff:ff:ff:ff:ff:ff
        inet 172.31.44.140/20 brd 172.31.47.255 scope global dynamic eth0
            valid_lft 3396sec preferred_lft 3396sec
            inet6 fe80::8a:7aff:fe88:3ff8/64 scope link
                valid_lft forever preferred_lft forever
```

AWS Assignment

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

Bucket name: assignmenttq

Bucket name must be unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region: US West (N. California) us-west-1

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Default encryption
Automatically encrypt new objects stored in this bucket. [Learn more](#)

Server-side encryption:

Disable

Enable

Advanced settings

After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

Summary

Destination	Succeeded	Failed
s3://assignmenttq	1 file, 10.1 KB (100.00%)	0 files, 0 B (0%)

Files and folders (1 Total, 10.1 KB)

Name	Folder	Type	Size	Status	Error
assign10.odt	-	application/vnd.oasis.opendocument.text	10.1 KB	Succeeded	-

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AWS Assignment

The screenshot shows the AWS Management Console with the URL [https://console.aws.amazon.com/policy/creation#/create](#). The top navigation bar includes the AWS logo, a search bar, and user information. Below the header, the title "Create policy" is displayed. A breadcrumb trail indicates the current step: "1 Create policy" → "2 Review policy" → "3 Create policy". The main content area is titled "Review policy". It contains fields for "Name*" (set to "Developer777") and "Description" (empty). The "Summary" section shows a table with two rows: "CloudWatch Logs" with "Access level: Limited: Write" and "Resource: Multiple", and "DynamoDB" with "Access level: Limited: Read, Write" and "Resource: TableName | string like | SampleTable". The "Tags" section allows adding key-value pairs, with one entry "Key: Value" currently listed. At the bottom right are "Cancel", "Previous", and "Create policy" buttons.

Create policy

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

The screenshot shows the JSON editor with the following policy document:

```
11  "dynamodb:BatchGetItem",
12  "dynamodb:PutItem",
13  "dynamodb:UpdateItem"
14 },
15 {
16   "Effect": "Allow",
17   "Action": [
18     "logs:CreateLogStream",
19     "logs:PutLogEvents"
20   ],
21   "Resource": "arn:aws:logs:eu-west-1:123456789012:*"
22 },
23 {
24   "Effect": "Allow",
25   "Action": "logs:CreateLogGroup",
26 }
```

Below the editor, status indicators show 0 Security, 0 Errors, 0 Warnings, and 0 Suggestions.

Review policy

Name* Use alphanumeric and '+,-,@-' characters. Maximum 128 characters.

Description

Maximum 1000 characters. Use alphanumeric and '+,-,@-' characters.

Summary

Service	Access level	Resource	Request condition
CloudWatch Logs	Limited: Write	Multiple	None
DynamoDB	Limited: Read, Write	TableName string like SampleTable	None

Tags

* Required

AWS Assignment

IAM > User groups

User groups (1) Info
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Filter User groups by property or group name and press enter

< 1 > ⌂

Group name	Users	Permissions	Creation time
DEVELOPERS_GL	~ Loading	Defined	Now

User groups > DEVELOPERS_GL

/DEVELOPERS_GL

View

Delete Edit

Group name	Creation time	ARN
DEVELOPERS_GL	October 28, 2021, 00:25 (UTC+05:30)	arn:aws:iam::012654547674:group/DEVELOPERS_GL

Permissions | Access Advisor

Attached policies (2) Info
can attach up to 10 managed policies.

Filter policies by property or policy name and press enter

< 1 > ⌂

Policy name	Type	Description
AmazonDynamoDBFullAccess	AWS managed	Provides full access to Amazon DynamoDB via the AWS Management Console.
AWSLambda_FullAccess	AWS managed	Grants full access to AWS Lambda service, AWS Lambda console features, and other related AWS services.

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Author from scratch Start with a simple Hello World example.

Use a blueprint Build a Lambda application from sample code and configuration presets for common use cases.

Container image Select a container image to deploy for your function.

Browse serverless app repository Deploy a sample Lambda application from the AWS Serverless Application Repository.

Basic information

Function name
Enter a name that describes the purpose of your function.

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▶ Change default execution role

▶ Advanced settings

Cancel Create function

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AWS Assignment

The new DynamoDB console is now complete, and becomes your default experience
Following the preview phase in which we analyzed and incorporated your feedback, we have completed the new DynamoDB console, making it even easier for you to manage your data and resources. Let us know what you think. You can still choose to return to the previous console from the navigation pane.

DynamoDB > Tables > Create table

Create table

Table details [Info](#)
DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.

Table name
This will be used to identify your table.
 Assign11
Between 3 and 255 characters, containing only letters, numbers, underscores (_), hyphens (-), and periods (.)

Partition key
The partition key is part of the table's primary key. It is a hash value that is used to retrieve items from your table and allocate data across hosts for scalability and availability.
 Enter the partition key name String
1 to 255 characters and case sensitive.

Sort key - optional
 Enter the sort key name String
1 to 255 characters and case sensitive.

Settings

Default settings
The fastest way to create your table. You can modify these settings now or after your table has been created.

Customize settings
Use these advanced features to make DynamoDB work better for your needs.

Default settings

Read/write capacity [Info](#)
Using provisioned capacity mode. Read and write capacity are set to 5 units each with auto scaling enabled.

Secondary Indexes [Info](#)
No secondary indexes have been created. Queries will be run by using the table's partition key and sort key only.

Key management for encryption at rest [Info](#)
Using the AWS owned customer master key. This key is managed by DynamoDB at no extra cost.

Tags
Tags are pairs of keys and optional values, that you can assign to AWS resources. You can use tags to control access to your resources or track your AWS spending.

No tags are associated with the resource.
 Add new tag
You can add 50 more tags.

Cancel Create table

12)

AWS Assignment

Servicess ▾ Search for services, features, marketplace products, and docs [Alt+S] X Xexamster Global Support

Create role 1 2 3 4

Select type of trusted entity

AWS service EC2, Lambda and others	Another AWS account Belonging to you or 3rd party	Web identity Cognito or any OpenID provider	SAML 2.0 federation Your corporate directory
---------------------------------------	--	--	---

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose a use case

Common use cases

EC2
Allows EC2 instances to call AWS services on your behalf.

Lambda
Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

Create role 1 2 3 4

Select type of trusted entity

AWS service EC2, Lambda and others	Another AWS account Belonging to you or 3rd party	Web identity Cognito or any OpenID provider	SAML 2.0 federation Your corporate directory
---------------------------------------	--	--	---

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose a use case

Common use cases

EC2
Allows EC2 instances to call AWS services on your behalf.

Lambda
Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

API Gateway	CloudWatch Events	EMR	IoT SiteWise	RAM
AWS Backup	CodeBuild	EMR Containers	IoT Things Graph	RDS
AWS Chatbot	CodeDeploy	ElastiCache	KMS	Redshift
AWS Marketplace	CodeGuru	Elastic Beanstalk	Kinesis	Rekognition
AWS Support	CodeStar Notifications	Elastic Container Registry	Lake Formation	RoboMaker
Amazon OpenSearch Service	Comprehend	Elastic Container Service	Lambda	S3
Amplify	Config	Elastic Transcoder	Lex	SMS
AppStream 2.0	Connect	Elastic Load Balancing	License Manager	SNS
DMS	DMS	EventBridge	MQ	SWF

roles > Assign_q12

Summary Delete role

Role ARN: arn:aws:iam::012654547674:role/Assign_q12 [Edit](#)

Role description: Allows EC2 instances to call AWS services on your behalf. [Edit](#)

Instance Profile ARNs: arn:aws:iam::012654547674:instance-profile/Assign_q12 [Edit](#)

Path: /

Creation time: 2021-10-28 11:45 UTC+0530

Last activity: 2021-10-28 12:14 UTC+0530 (Today)

Maximum session duration: 1 hour [Edit](#)

Permissions Trust relationships Tags Access Advisor Revoke sessions

▼ Permissions policies (2 policies applied) Add inline policy

Attach policies

Policy name	Policy type	Actions
▶ AmazonEC2FullAccess	AWS managed policy	X
▶ AmazonS3FullAccess	AWS managed policy	X

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AWS Assignment

3. Configure instance details

Network	vpc-fda8039b (default)	Create new VPC
Subnet	No preference (default subnet in any Availability Zone)	Create new subnet
Auto-assign Public IP	Use subnet setting (Enable)	
Placement group	<input type="checkbox"/> Add instance to placement group	
Capacity Reservation	Open	
Domain join directory	No directory	Create new directory
IAM role	Assign_q12	Create new IAM role
Shutdown behavior	Stop	
Stop - Hibernate behavior	<input type="checkbox"/> Enable hibernation as an additional stop behavior	
Enable termination protection	<input type="checkbox"/> Protect against accidental termination	
Monitoring	<input type="checkbox"/> Enable CloudWatch detailed monitoring <small>Additional charges apply.</small>	
Tenancy	Shared - Run a shared hardware instance	

English (US) ▾

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```
Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 15 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-17-201 ~]$ sudo su
[ec2-user@ip-172-31-17-201 ec2-user]# aws s3 ls
Note: AWS CLI version 2, the latest major version of the AWS CLI, is now stable and recommended for general use. For
ation instructions at: https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html

usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:

    aws help
    aws <command> help
    aws <command> <subcommand> help
aws: error: argument subcommand: Invalid choice, valid choices are:
ls                               | website
cp                               | mv
rm                               | sync
mb                               | rb
presign
[root@ip-172-31-17-201 ec2-user]# aws s3 ls
2021-10-28 06:27:28 assignments
[root@ip-172-31-17-201 ec2-user]#
```

AWS Assignment

13)

The screenshot shows the AWS Auto Scaling Groups console. A message at the top states: "The old Auto Scaling groups console is no longer available. We will keep improving the new console based on your feedback." Below this, there are three sections: "Auto Scale your Amazon EC2 Instances Ahead of Demand", "globallogic", and "auto". The "globallogic" section indicates "1 Load balancer, 1 Target group, 1 Listener created successfully. 1 new target group has been attached to ASG.". The "auto" section shows a status of "Updating capacity". The main table lists two Auto Scaling groups:

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
globallogic	test	0	Updating capacity	2	1	4	ap-south-1a
auto	auto	1	-	1	0	1	ap-south-1a

Below the table, there are tabs for "Details", "Activity", "Automatic scaling", "Instance management", "Monitoring", and "Instance refresh". The "Details" tab is selected. The "Group details" section shows the following configuration:

- Desired capacity: 2
- Auto Scaling group name: globallogic
- Minimum capacity: 1
- Date created: Thu Oct 28 2021 16:02:10 GMT+0530 (India Standard Time)
- Maximum capacity: 4
- Amazon Resource Name (ARN): arn:aws:autoscaling:ap-south-1:351475346927:autoScalingGroup:73132317-659a-4c56-896d-8f8125821e08:autoScalingGroupName/globallogic

The screenshot shows the AWS Instances console. A message at the top says "What are the Pre-requisites for Lambda?". Below this, there are sections for "Instances" and "CloudFormation". The "Instances" section shows two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 IP	Elastic IP
-	i-01acc3bbe0821065c	Pending	t2.small	-	No alarms	+	-	54.193.84.168	-
all	i-071e0a2647a01aa0	Running	t2.micro	2/2 checks passed	No alarms	+	ec2-52-55-174-243.us...	52.53.174.243	-

Below the table, there is a modal window titled "Select an instance above" with the instruction "Select an instance above".

AWS Assignment

Oct 28 16:06

Instances (1/2) **Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input checked="" type="checkbox"/> public	i-032944b6066608cbe	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-15-206-94-204.ap...	15.206.94.204	-
<input type="checkbox"/> public2	i-049c58d6deb6c47b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b	ec2-65-0-178-99.ap-so...	65.0.178.99	-

Instance: i-032944b6066608cbe (public)

Monitoring

CPU utilization (%)

Status check failed (any) (count)

Status check failed (instance) (count)

Status check failed (system) (count)

Network in (bytes)

Network out (bytes)

Network packets in (count)

Network packets out (count)

Oct 28 15:31

Instances (1/2) **Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input type="checkbox"/> public	i-032944b6066608cbe	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-15-206-94-204.ap...	15.206.94.204	-
<input checked="" type="checkbox"/> public2	i-049c58d6deb6c47b	Running	t2.micro	-	No alarms	ap-south-1b	ec2-65-0-178-99.ap-so...	65.0.178.99	-

Instance: i-049c58d6deb6c47b (public2)

Details

Instance summary

Instance ID: i-049c58d6deb6c47b (public2)

Public IPv4 address: 65.0.178.99 | open address

Private IPv4 address: 172.31.1.156

IPv6 address: -

Instance state: Running

Public IPv4 DNS: ec2-65-0-178-99.ap-south-1.compute.amazonaws.com | open address

Private IPv4 DNS: ip-172-51-1-136.ap-south-1.compute.internal

Instance type: t2.micro

Elastic IP addresses: -

VPC ID: -

Amazon Compute Optimizer findings: -

FAM Role: -

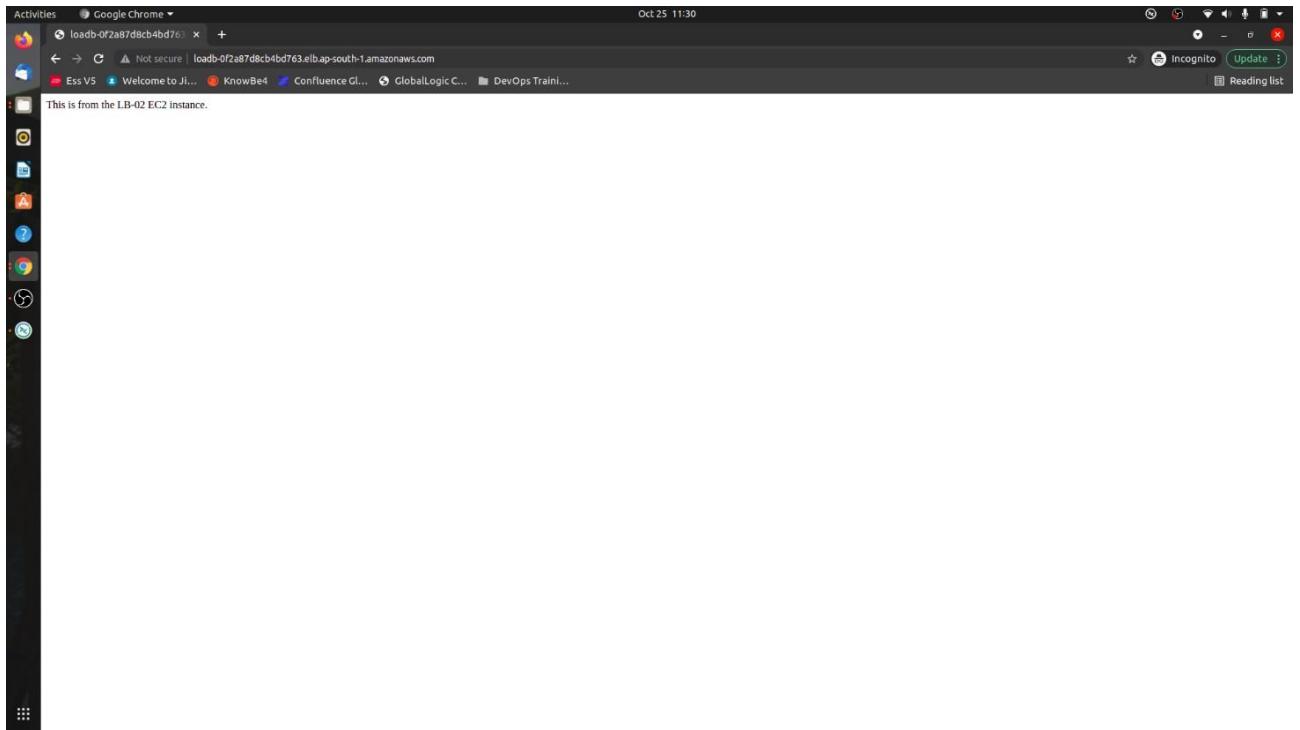
AWS Assignment

The screenshot shows two separate browser windows. The top window displays the AWS Lambda console, specifically the 'Targets' tab for a target group named 'LoadBalancer'. It lists two healthy targets: 'i-0e81fbbe872f514b6' (LB-1b) and 'i-0a45b6b19a3bcc7b7' (LB-1a), both assigned to port 80 in the 'ap-south-1b' zone. The bottom window shows a web browser displaying the URL 'loadb-0f2a87d9cb4bd4763.elb.ap-south-1.amazonaws.com'. A status bar at the bottom of the browser indicates 'Not secure'.

CloudWatch Metrics Data:

Time	Instance ID	Health Status
2023-10-25T11:29:00Z	i-0e81fbbe872f514b6	Healthy
2023-10-25T11:29:00Z	i-0a45b6b19a3bcc7b7	Healthy

AWS Assignment



AWS Assignment

15)

The screenshot shows two separate browser windows for the AWS Management Console.

Top Window (IAM Service):

- URL:** `console.aws.amazon.com/iamv2/home#/roles`
- Role Creation Confirmation:** A green banner at the top says "The role lambda-dynamodb has been created."
- Role List:** Shows a list of 12 roles, including the newly created "lambda-dynamodb".

Role Name	Trusted entities	Last activity
AWSServiceRoleForAmazonElasticFileSystem	AWS Service: elasticfilesystem (Service-Linked Role)	2 hours ago
AWSServiceRoleForAutoScaling	AWS Service: autoscaling (Service-Linked Role)	16 minutes ago
AWSServiceRoleForBackup	AWS Service: backup (Service-Linked Role)	24 hours ago
AWSServiceRoleForECS	AWS Service: ecs (Service-Linked Role)	2 days ago
AWSServiceRoleForElastiLoadBalancing	AWS Service: elasticloadbalancing (Service-Linked Role)	38 minutes ago
AWSServiceRoleForRDS	AWS Service: rds (Service-Linked Role)	17 hours ago
AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-
ecsInstanceRole	AWS Service: ec2	2 days ago
ecsTaskExecutionRole	AWS Service: ecs-tasks	2 days ago
lambda-dynamodb	AWS Service: lambda	-
rds-monitoring-role	AWS Service: monitoring.rds	17 hours ago

Bottom Window (S3 Service):

- URL:** `s3.console.aws.amazon.com/s3/home?region=ap-south-1`
- Bucket Creation Confirmation:** A green banner at the top says "Successfully created bucket 'lambdabucket0123'".
- Bucket List:** Shows one bucket named "lambdabucket0123".

Name	AWS Region	Access	Creation date
lambdabucket0123	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 25, 2021, 12:19:07 (UTC+05:30)

AWS Assignment

The screenshot shows two browser windows side-by-side, both displaying the AWS console.

Left Window (AWS Lambda Function Overview):

- Function Overview:** Shows a function named "lambda1". It has an S3 trigger and no layers. The ARN is arn:aws:lambda:ap-south-1:915405537648:function:lambda1.
- Code Source:** Displays the Lambda function code in Python. The code imports boto3 and defines a lambda_handler function that processes S3 events to insert data into a DynamoDB table named "newtable".

```
Import: boto3
1 from uuid import uuid4
2 import json
3 import os
4 import contextlib
5 import time
6 import decimal
7 import boto3
8 import json
9
10 record = event['Records'][0]
11 bucket_name = record['s3']['bucket']['name']
12 file_size = record['s3']['object']['size']
13 event_time = record['eventTime']
14 event_name = record['eventName']
15 object_key = record['s3']['object']['key']
16 object_size = record['s3']['object']['size']
17
18 dynamoTable = boto3.resource('dynamodb').Table('newtable')
19
20 dynamoTable.put_item(
21     Item={
22         'unique': str(uuid4()),
23         'bucket': bucket_name,
24         'object': object_key,
25         'size': file_size,
26         'Event': event_name,
27         'EventTime': event_time
28     }
29 )
```

Right Window (DynamoDB Tables):

- Tables:** Shows a single table named "newtable" with one item inserted.
- Table Data:** The table has one item with the following details:

Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode
newtable	Active	unique (String)	-	-	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)

AWS Assignment

The screenshot shows the AWS DynamoDB console. On the left, the navigation pane includes 'Dashboard', 'Tables' (with 'Items New' and 'PartiQL editor New' options), 'Backups', 'Exports to S3 New', and 'Reserved capacity'. Under 'DAX', there are 'Clusters', 'Subnet groups', 'Parameter groups', and 'Events'. A feedback section at the bottom suggests returning to the previous console experience. The main area displays the 'newtable' table with one item returned:

unique	Bucket	Event	EventTime	Object	Size
98aa6abb...	lambdabuc...	ObjectCreat...	2021-10-2...	s3+bucket+...	338

16)

The screenshot shows the AWS CloudFormation console. The navigation pane includes 'CloudFormation - Stack: s3bucket' and 'CloudFormation > Stacks > s3bucket'. The main area displays the 's3bucket' stack with one event listed:

Timestamp	Logical ID	Status	Status reason
2021-10-27 22:54:32 UTC+0530	s3bucket	CREATE_IN_PROGRESS	User Initiated

AWS Assignment

The screenshot shows the AWS CloudFormation console with a stack named 's3bucket'. The 'Template' tab is selected, displaying the CloudFormation template JSON. The template creates a private S3 bucket.

```
[{"AWSTemplateFormatVersion": "2010-09-09", "Description": "AWS CloudFormation Sample template to create an Amazon S3 bucket.", "Resources": { "S3Bucket": { "Type": "AWS::S3::Bucket", "Properties": { "AccessControl": "Private", "DeletionPolicy": "Delete" } } }}
```

The screenshot shows the AWS CloudFormation console with the same 's3bucket' stack. The 'Events' tab is selected, showing five events related to the creation of the S3 bucket. The first event is 'CREATE_COMPLETE' and the last four are 'CREATE_IN_PROGRESS'.

Timestamp	Logical ID	Status	Status reason
2021-10-27 22:54:58 UTC+0530	s3bucket	CREATE_COMPLETE	-
2021-10-27 22:54:57 UTC+0530	S3Bucket	CREATE_COMPLETE	-
2021-10-27 22:54:36 UTC+0530	S3Bucket	CREATE_IN_PROGRESS	Resource creation initiated
2021-10-27 22:54:35 UTC+0530	S3Bucket	CREATE_IN_PROGRESS	-
2021-10-27 22:54:32 UTC+0530	s3bucket	CREATE_IN_PROGRESS	User initiated

AWS Assignment

The screenshot shows the AWS CloudFormation console with a stack named 's3bucket' in the 'Active' state. The stack was created on 2021-10-27 at 22:54:32 UTC+0530. The status is 'CREATE_COMPLETE'. The overview section includes details like Stack ID, Status, Root stack, Created time, Updated time, Drift status, Termination protection, and IAM role. There are no tags applied to the stack.

The screenshot shows the AWS S3 console with a bucket named 's3bucket-s3bucket-2du2n8p68jki'. The bucket is currently empty, as indicated by the message 'No objects'. The objects section shows a table with columns for Name, Type, Last modified, Size, and Storage class. The table is empty. The left sidebar shows the navigation menu for the Amazon S3 service.

17)

AWS Assignment

The screenshot shows two parallel sessions in a Linux desktop environment, both titled "simple_aac_recording".

Top Window (CloudFormation):

- Step 1: Specify template
- Step 2: Specify stack details
- Step 3: Configure stack options
- Step 4: Review

Prerequisite - Prepare template:

Preparation template: Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

Options:
○ Template is ready
○ Use a sample template (selected)
○ Create template in Designer

Select a sample template:

Sample templates: This collection of sample templates will help you get started with AWS CloudFormation and quickly build your own templates.

LAMP Stack

S3 URL: https://s3.ap-south-1.amazonaws.com/cloudformation-templates-ap-south-1/LAMP_Single_Instance.template

View in Designer

Cancel Next

Bottom Window (EC2 Instances):

New EC2 Experience

Instances (1/2) info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
-	i-094e9f90529fb033	Terminated	t2.small	-	-	ap-south-1b	-	-	-
-	i-098ce22b56e8c26fe	Running	t2.small	2/2 checks passed	-	ap-south-1b	ec2-3-109-122-85.ap-s...	3.109.122.85	-

Instance: i-098ce22b56e8c26fe

Details Security Networking Storage Status checks Monitoring Tags

Instance summary

Instance ID: i-098ce22b56e8c26fe	Public IPv4 address: 3.109.122.85 [open address]	Private IPv4 addresses: 172.31.2.247
IPv6 address: -	Instance state: Running	Public IPv4 DNS: ec2-3-109-122-85.ap-south-1.compute.amazonaws.com [open address]
Private IPv4 DNS: ip-172-31-247.ap-south-1.compute.internal	Instance type: t2.small	Elastic IP addresses: -

AWS Assignment

The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "simple_aac_recording" and the date is "Oct 25 21:53". The terminal session shows a user navigating through files and executing commands related to AWS Lambda and MySQL. It includes commands like `chmod` on a file named "lambubuntu.pem", `mysql -u admin -p`, and `ssh -l "awsuser@ec2-3-109-122-85.ap-south-1.compute.amazonaws.com"`. The terminal also displays release notes for Amazon Linux AMI and MySQL server version information.

```
Activities ▶ Videos ▶
Activities Terminal ▶
Oct 25 21:53
simple_aac_recording
Oct 24 18:38
ec2-user@ip-172-31-2-247:~>
CentOS-7-x86_64-Minimal-1708.iso
ec2ds.pem
global_linux.pem
global_linux.ppk
global_pk
global_pk
global_pk
global_pk
'Kshitij Tripathi Linux Assignment.pdf'
laptop
'Linux & AWS Assignments.docx'
private_rdp
'public (1).rdp'
'public (2).rdp'
'public (3).rdp'
'public (4).rdp'
'public DNS.rdp'
'public.rdp
rpn-4.17.0.tar.bz2
's3 bucket cloud formation.txt'
SW ELECTRONIC_Visual_Studio_Pro_2019_MultiLang_MLF_X22-02265.EXE
VMware-Player-16.1.2-17966106.x86_64.bundle
VMware-Workstation-Full-16.1.2-17966106.x86_64.bundle
windowskey.pem
kshitij.tripathi@ip-n08264:~/Downloads$ chmod 400 lambubuntu.pem
chroot: cannot access 'lambubuntu.pem': No such file or directory
kshitij.tripathi@ip-n08264:~/Downloads$ chmod 400 lambuntu.pem
kshitij.tripathi@ip-n08264:~/Downloads$ cd
kshitij.tripathi@ip-n08264:~$ ssh -l "awsuser@ec2-3-109-122-85.ap-south-1.compute.amazonaws.com"
[...]
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
39 package(s) needed for security, out of 63 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-2-247 ~]$ mysql -u admin -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.5.62 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

[ec2-user@ip-172-31-2-247 ~]$ mysql>
```

18)

The screenshot shows the AWS S3 Management Console. A message at the top says "Successfully created bucket 'globallogic2021'. To upload files and folders, or to configure additional bucket settings choose View details." Below this, the "Account snapshot" section is visible. The main area shows a table of buckets. One bucket, "globallogic2021", is listed with the following details:

Name	AWS Region	Access	Creation date
globallogic2021	Asia Pacific (Mumbai) ap-south-1	Objects can be public	October 27, 2021, 20:04:17 (UTC+05:30)

At the bottom of the page, there are links for "Feedback", "English (US)", "Privacy Policy", "Terms of Use", and "Cookie preferences".

AWS Assignment

The screenshot shows the AWS S3 Management Console interface. At the top, a blue banner says "We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#)". Below this, a green bar indicates "Upload succeeded". The main area is titled "Upload: status". A message box says "The information below will no longer be available after you navigate away from this page." Below this is a "Summary" section with tables for "Destination" (s3://globallogic2021) and "Status" (Succeeded: 1 file, 9.0 KB (100.00%); Failed: 0 files, 0 B (0%)). There are tabs for "Files and folders" (selected) and "Configuration". Under "Files and folders", there is a table showing one file: "download.jpeg" (Type: Image/jpeg, Size: 9.0 KB, Status: Succeeded). The bottom of the screen shows standard browser controls and a footer with links like "Feedback", "English (US)", "Privacy Policy", "Terms of Use", and "Cookie preferences".

The screenshot shows the AWS CloudFront Management Console interface. At the top, a blue banner says "Successfully created new distribution." Below this, the distribution details are shown: Distribution domain name d2lw6s1o8v1.cloudfront.net, ARN arn:aws:cloudfront:48976890796:distribution/E3DY03915UVHND, and Last modified Deploying. The "General" tab is selected. Other tabs include "Origins", "Behaviors", "Error pages", "Geographic restrictions", "Invalidations", and "Tags". The "Settings" section contains fields for Description, Alternate domain names, Standard logging (Off), Cookie logging (Off), and Default root object. The bottom of the screen shows standard browser controls and a footer with links like "Feedback", "English (US)", "Privacy Policy", "Terms of Use", and "Cookie preferences".

AWS Assignment

The screenshot shows a Linux desktop environment with a dark theme. A Google Chrome window is open to the AWS CloudFront Management Console. The URL is <https://console.aws.amazon.com/cloudfront/v3/home?region=ap-south-1#/distributions/E3DYO39ISUVHND/invalidations/details/I2T05IJ33JKWUS>. The page title is "Successfully created invalidation I2T05IJ33JKWUS." The "Invalidation details" section shows the following information:

- Date created: October 27, 2021 at 2:48:08 PM UTC
- Status: In progress
- Object paths: /arn:aws:cloudfront:488976890796:distribution/E3DYO39ISUVHND

The browser's address bar shows the URL <https://d2lw6s1o98v1l.cloudfront.net>.

The screenshot shows a Linux desktop environment with a dark theme. A Google Chrome window is open to the AWS CloudFront Management Console. The URL is <https://d2lw6s1o98v1l.cloudfront.net>. The page displays an XML error response:

```
<Error>
<Code>AccessDenied</Code>
<Message>Access Denied</Message>
<RequestId>FSMNSTK5HBCEPGMW</RequestId>
<HostId>02hJPM9X800Q0vMn0tIAJK1b5jKo+237dzPy2yJwShaU6r/EKK7PrUjN4tyzKKht8vE6Se2KYg0=</HostId>
```

AWS Assignment

