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Reg.no: 2023-BSE-040

Subject: Cloud Computing

LAB # 08

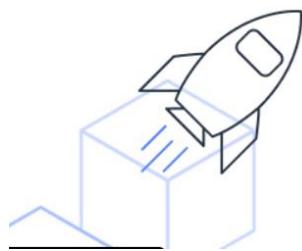
TASK 1:

1.



Try AWS at no cost for up to 6 months

Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities.



Sign up for AWS

Root user email address

Used for account recovery and as described in the [AWS Privacy Notice](#)

AWS account name

Choose a name for your account. You can change this name in your account settings after you sign up.

Verify email address

OR

Sign in to an existing AWS account

This site uses essential cookies. See our [Cookie](#)

2.

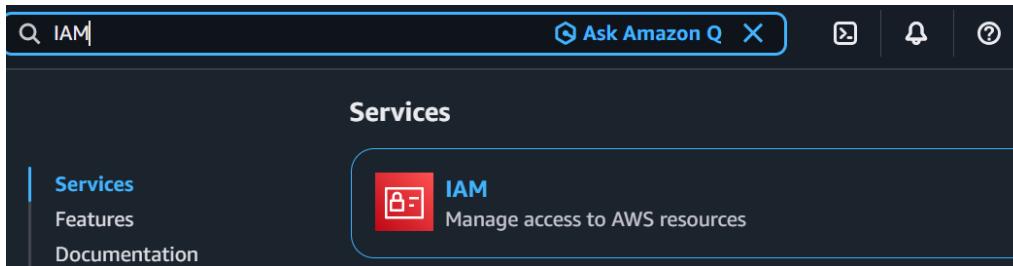
AWS Regions Info		Status	Disable	Enable	?
<input type="checkbox"/>	Region				
<input type="checkbox"/>	Africa (Cape Town)	Disabled			
<input type="checkbox"/>	Asia Pacific (Hong Kong)	Disabled			
<input type="checkbox"/>	Asia Pacific (Taipei)	Disabled			
<input type="checkbox"/>	Asia Pacific (Hyderabad)	Disabled			
<input type="checkbox"/>	Asia Pacific (Jakarta)	Disabled			
<input type="checkbox"/>	Asia Pacific (Melbourne)	Disabled			
<input type="checkbox"/>	Asia Pacific (Malaysia)	Disabled			
<input type="checkbox"/>	Asia Pacific (New Zealand)	Disabled			
<input type="checkbox"/>	Asia Pacific (Thailand)	Disabled			
<input type="checkbox"/>	Canada (Calgary)	Disabled			
<input type="checkbox"/>	Europe (Zurich)	Disabled			
<input type="checkbox"/>	Europe (Milan)	Disabled			
<input type="checkbox"/>	Europe (Spain)	Disabled			
<input type="checkbox"/>	Israel (Tel Aviv)	Disabled			
<input checked="" type="checkbox"/>	Middle East (UAE)	Enabled			
<input type="checkbox"/>	Middle East (Bahrain)	Disabled			

3.

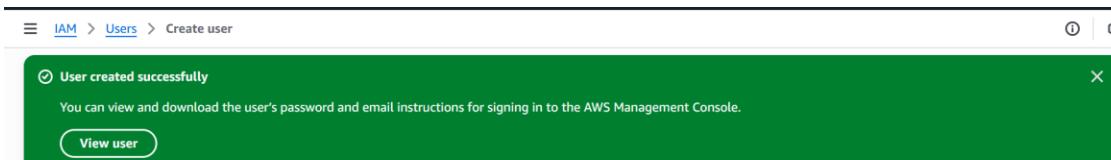


Task 2:

1.



2.



3.

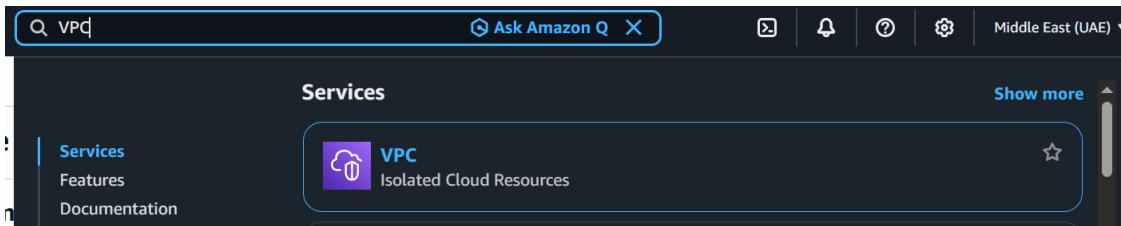
A	B	C	D	E	F	G	H
1	User name	Console sign-in URL					
2	Admin	:https://737230811842.signin.aws.amazon.com/console					
3							
4							

4.

The screenshot shows the IAM user sign-in page. It has fields for 'Account ID or alias' (737230811842), 'Remember this account' (unchecked), 'IAM username' (Admin), 'Password' (redacted), 'Show Password' (unchecked), and a 'Sign in' button. To the right, there's a navigation bar with 'Search' and 'Europe (Stockholm)'.

Task 3:

1.



2.

The screenshot shows the AWS VPC dashboard. On the left, there's a sidebar with 'Virtual private cloud' options like 'Your VPCs', 'Subnets', 'Route tables', etc. The main area displays 'Resources by Region' with sections for VPCs (UAE 1), Endpoint Services (UAE 0), Subnets (UAE 3), NAT Gateways (UAE 0), Route Tables (UAE 0), and VPC Peering Connections (UAE 0). To the right are 'Service Health', 'Settings' (with 'Block Public Access' and 'Zones' options), and 'Additional Information' (with 'VPC Documentation').

3.

The screenshot shows a table titled 'Your VPCs (1)'. It has columns for Name, VPC ID, State, and Encryption. There is one entry: 'Name' is empty, 'VPC ID' is 'vpc-0549d3ac398b8e635', 'State' is 'Available', and 'Encryption' is empty. A search bar at the top says 'Find VPCs by attribute or tag'.

Select a VPC above

4.

The screenshot shows a table titled 'Subnets (3)'. It has columns for Name, Subnet ID, State, and VPC. There are three entries: 'Name' is empty, 'Subnet ID' includes 'subnet-0e52440a341f9f0dc', 'state' is 'Available', and 'VPC' is 'vpc-0549d3ac398b8e635'. Other columns include 'Actions' and 'Create subnet' buttons.

Select a subnet

5.

The screenshot shows a table titled 'Route tables (1)'. It has columns for Name, Route table ID, Explicit subnet association, and Ed. There is one entry: 'Name' is empty, 'Route table ID' is 'rtb-04dc3eeebaceb968', 'Explicit subnet association' is empty, and 'Ed' is empty. A search bar at the top says 'Find route tables by attribute or tag'.

6.

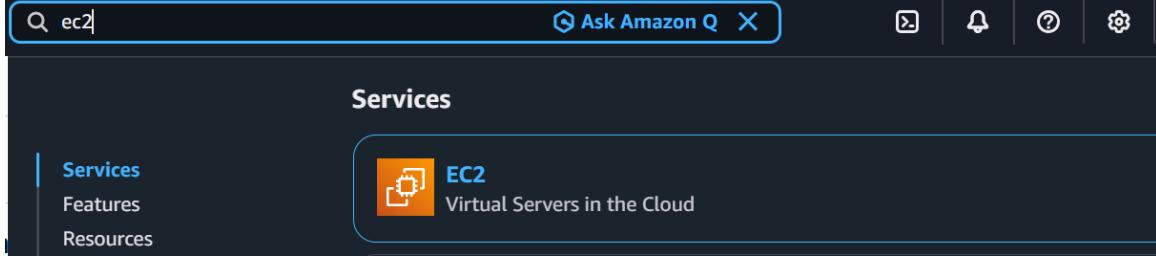
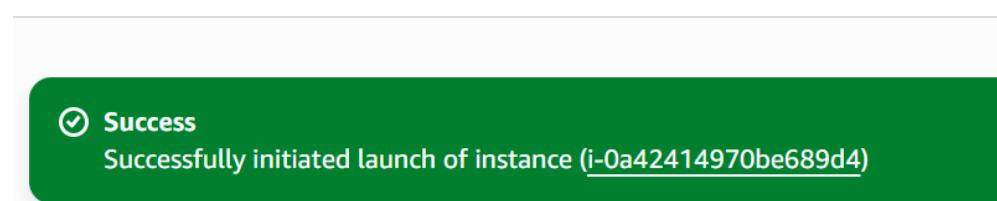
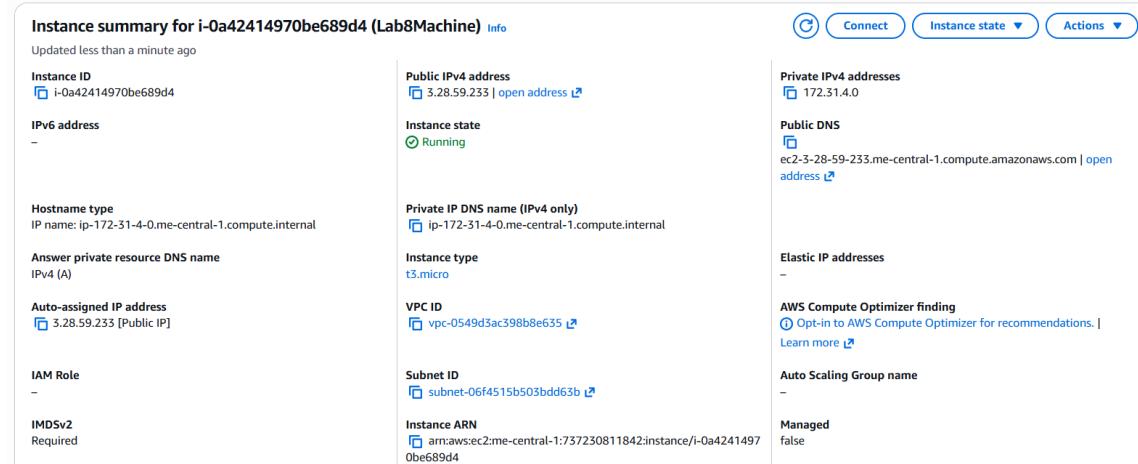
The screenshot shows a table titled 'Network ACLs (1)'. It has columns for Name, Network ACL ID, and Associated with. There is one entry: 'Name' is empty, 'Network ACL ID' is 'acl-0cf301050bbf3926c', and 'Associated with' is '3 Subnets'. A search bar at the top says 'Find Network ACLs by attribute or tag'.

Console Home [Info](#)

7.

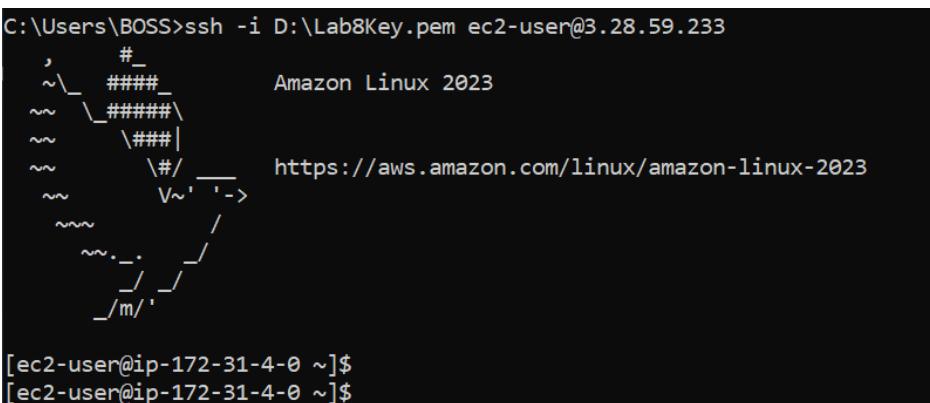
The screenshot shows the 'Recently visited' section in the AWS Console Home. It lists three items: 'VPC' (with a network icon), 'IAM' (with a user icon), and 'AWS Global View' (with a globe icon).

Task 4:

1. 
2. 
3. 

Instance summary for i-0a42414970be689d4 (Lab8Machine) [Info](#)

Updated less than a minute ago

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0a42414970be689d4	3.28.59.233 open address ↗	172.31.4.0
IPv6 address	Instance state	Public DNS
-	Running	ec2-3-28-59-233.me-central-1.compute.amazonaws.com open address ↗
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-31-4-0.me-central-1.compute.internal	ip-172-31-4-0.me-central-1.compute.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
IPv4 (A)	t3.micro	Opt-in to AWS Compute Optimizer for recommendations. Learn more ↗
Auto-assigned IP address	VPC ID	Auto Scaling Group name
3.28.59.233 [Public IP]	vpc-0549d3ac398b8e635 ↗	-
IAM Role	Subnet ID	Managed
-	subnet-06f4515b503bdd63b ↗	false
IMDSv2	Instance ARN	
Required	arn:aws:ec2:me-central-1:737230811842:instance/i-0a42414970be689d4	
4. 

```
C:\Users\BOSS>ssh -i D:\Lab8Key.pem ec2-user@3.28.59.233
,      #
~\_ ####_      Amazon Linux 2023
~~ \####\_
~~   \###|
~~     \#/ __ https://aws.amazon.com/linux/amazon-linux-2023
~~     \~' '-'>
~~~   / \
~~~ ._. / \
~~~ / \/_/
~~~ /m/ \_/

[ec2-user@ip-172-31-4-0 ~]$ [ec2-user@ip-172-31-4-0 ~]$
```



```
[ec2-user@ip-172-31-4-0 ~]$ docker-compose -f compose.yaml up -d
WARN[0000] /home/ec2-user/compose.yaml: `version` is obsolete
[+] Running 18/18
  db Pulled
    1074353eec0d Pull complete
    51a9324a2bdc Pull complete
    1e827ac0fa1e Pull complete
    0629ac8b8cc5 Pull complete
    2e50a444bdff Pull complete
    4465107e1675 Pull complete
    cc2ee20b5816 Pull complete
    0dfd86289dd1 Pull complete
    98ecc0da868 Pull complete
    b747867e61cb Pull complete
  gitea Pulled
    2d35ebdb57d9 Pull complete
    9f4ee672c1f34 Pull complete
    4da94b3cc809 Pull complete
    8e016ece0bd3 Pull complete
    346e493cb6cb Pull complete
    95215379fd1 Pull complete
[+] Running 5/5
  Network ec2-user_webnet      Created
  Volume "ec2-user_gitea"       Created
  Volume "ec2-user_gitea_postgres" Created
  Container gitea_db           Started
  Container gitea              Started
```

9.

Inbound rules (2)

Name	Security group rule ID	IP version	Type	Protocol
-	sgr-02bc3dd1c9cf9f5a0	IPv4	SSH	TCP
-	sgr-0d682d46809a1a66f	IPv4	Custom TCP	TCP

10.

Initial Configuration

If you run Gitea inside Docker, please read the [documentation](#) before changing any settings.

Database Settings

Gitea requires MySQL, PostgreSQL, MSSQL, SQLite3 or TiDB (MySQL protocol).

Database Type *	PostgreSQL
Host *	db:5432
Username *	gitea
Password *
Database Name *	gitea
SSL *	Disable
Schema	

11.

mairamalik / first-repo

Code Issues Pull Requests Milestones Explore

Clone this repository Need help cloning? Visit [Help](#).

New File Upload File HTTP SSH <http://3.28.59.233:3000/mairamalik/first-repo.git>

Creating a new repository on the command line

```
touch README.md
git init
```

Cleanup :

⌚ Successfully initiated termination (deletion) of i-0a42414970be689d4

Instance summary for i-0a42414970be689d4 (Lab8Machine) [Info](#)

(C) [Connect](#) [Instance state ▾](#) [Actions ▾](#)

⌚ Successfully deleted 1 key pair

Key pairs [Info](#)

Find Key Pair by attribute or tag

| Name ▾ | Type ▾ | Created ▾ | Fingerprint

No key pairs to display

⌚ Security group (sg-0946d9d241166fe35 | Lab8SecurityGroup) successfully deleted

Security Groups (2) [Info](#)

(C) [Actions ▾](#)

[Export sec](#)

Find security groups by attribute or tag

| Name ▾ | Security group ID ▾ | Security group n