Lab - 3 Introduction to A   ✕   ▽ Workbench - Vocareum   ✕   Dashboard | EC2 | us-eas   ✕   +

← → C   🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Home: ☆   ⬇   ◻   🌐 Error   ⋮

aws   ⚏ Services   🔍 Search   [Alt+S]   ▣   🔔   ❓   ⚙   N. Virginia ▼   voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

AMIs

AMI Catalog

▼ **Elastic Block Store**

Volumes

Snapshots

Lifecycle Manager

▼ **Network & Security**

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ **Load Balancing**

Load Balancers

Target Groups

Trust Stores **New**

▼ **Auto Scaling**

Auto Scaling Groups

Instances (running)	1	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	1	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	4
Snapshots	0	Volumes	1		

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance   ▼

Migrate a server ⬀

Note: Your instances will launch in the US East (N. Virginia) Region

Instance alarms   **View in CloudWatch** ⬀

⚠ 0 in alarm   ✓ 0 OK   ☺ 0 insufficient d

Service health

AWS Health Dashboard ⬀   ⟳

Region
US East (N. Virginia)

Zones

Zone name	Zone ID
us-east-1a	use1-az1
us-east-1b	use1-az2
us-east-1c	use1-az4

0 EC2 free tier offers in use

End of month forecast

⚠ 0 offers forecasted to exceed free tier limit.

Exceeds free tier

⚠ 0 offers exceeded and is now pay-as-you-go pricing.

View Global EC2 resources

View all AWS Free Tier offers ⬀

Account attributes   ⟳

Default VPC ⬀
vpc-0f6e8e5d109f01227

Settings
Data protection and security
Zones
EC2 Serial Console
Default credit specification
Console experiments

Feb 29 10:18 AM

Lab - 3 Introduction to A | Workbench - Vocareum | Launch an instance | EC2

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

aws Services Q Search [Alt+S] N. Virginia ▾ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▾

Metadata response hop limit | Info

```
2
```

Allow tags in metadata | Info

Select ▾

User data - *optional* | Info
Upload a file with your user data or enter it in the field.

⬆ Choose file

```
#!/bin/bash
dnf install -y httpd
systemctl enable httpd
systemctl start httpd
echo '<html><h1>Hello From Your Web Server!</h1></html>' >
/var/www/html/index.html
```

☐ User data has already been base64 encoded

▼ **Summary**

Number of instances | Info

```
1
```

Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-0440d3b780d96b29d

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ **Free tier:** In your first year
includes 750 hours of t2.micro (or
t3.micro in the Regions in which ✕

Cancel **Launch instance**

Review commands

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Lab - 3 Introduction to A × | ▽ Workbench - Vocareum × | Launch an instance | EC2 × +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Services Q Search [Alt+S]

N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

EC2 > Instances > Launch an instance

⊗ Instance launch failed

You are not authorized to perform this operation. User: arn:aws:sts::767397994816:assumed-role/voclabs/user3067532=bitf20m541@pucit.edu.pk is not authorized to perform: ec2:RunInstances on resource: arn:aws:ec2:us-east-1:767397994816:subnet/subnet-05064a9848e8b8524 with an explicit deny in an identity-based policy. Encoded authorization failure message: IeFiRpq71uqOHgK18AWsyvYOgt3S0LWIIvcZCk_uw9wEsuXHhefXK-EdS3FSD85o5FHJhe6NWl3As4OUYOP8TDscUr0Mffs1I-VE0L16A4rA3nUAmkveasNmfLKGnEv-K3bK7bv2bL92dtbRuvZrXlwCjBqUdF3r4hNTKVoGYaOQSVmxF09y9Q4-Q07omk06JsjOAJywypU6CLVPdLquAoNPZUinmG3rMo1LqfoNaaSkHPHNW_P_n1R61ZV3fxloF5CupmsdSXE3xXlCn2CJlIgYsA2bwQpQ4R8OG2UyAJj6FhtDbJc1AXOXwDkz8wpjX1tPHa2DOhNx6XMaoY5x6tiymZ48dlhR0lbAJ4TfaE9ezxNzSBiN6eMpYRpcrNDAYs5a2forfVVieHJsWQNC6p4vk_VhIRmPuYdwmwOivw0UAdWK1e45qJIhke1g4RrtjNdEeqWNc74PxjKoi6AGvL69D6xcMZ-bftMRWaa8TLGmHFEGe5qE29P9Kq2zuJZVzPRa38leD2tfUp-6mEI7NBI5EVk3aNGuj625VDYemYfwpLetgId3lI9NMfzh2_ZzewXBFXRsV5Gnafuwl77JHYJcF6RuKBxJCw-fdR2Bj-iyN7a_Ku8n0uWvrEgIROZoj8hkWBEUM9ni5oGZD6Ru3bMr69RVSLkXNGdghrDQxshV1Y5MfTdS_umg7eM_CzLQ4b_XHqkVmLEQgqI5YUSrGLPQED5xo7LHs5iWhf1fueaoKt6ZpqkdVN7GFwG8kwjDR-k8qBpb4FdcvY8WY7S7UrOVE3xpXp0mn5DuXNV8ONLoHDHBTE6Ux3GNnef_qaYMJl0Iq80JS2jOx2NHPV5gR3v7xnknBoWITsH_RWGqRFG9Vz_rfOUEmky-E02pzimu3PVyCN3-ENk5nuCWmxC_AqskTRIsKfC2lGkITN-YCLY3UDCMplQafAFxbThdLYAYebEwHarg_Bc09i7bqRHlmgW8Mbs

▼ **Launch log**

Initializing requests	⊘ Succeeded
Creating security groups	⊘ Succeeded
Launch initiation	⊗ Failed

Cancel Edit instance config Retry failed tasks

Lab - 3 Introduction to A | ∇ Workbench - Vocareum | Launch an instance | EC2 | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Error

aws | Services | Search [Alt+S]

N. Virginia ▾ | voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▾

EC2 > Instances > Launch an instance

⊘ **Success**
Successfully initiated launch of instance (i-01f6f5bcc97c631be)

▼ **Launch log**

Initializing requests	⊘ Succeeded
Creating security groups	⊘ Succeeded
Launch initiation	⊘ Succeeded

Next Steps

🔍 What would you like to do next with this instance, for example "create alarm" or "create backup"

‹ **1** 2 3 4 5 6 ›

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance ↗

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database ↗

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy ↗

Lab - 3 Introduction to A   ✕   ∇ Workbench - Vocareum   ✕   🔶 Get system log | EC2 | us-   ✕   +

← → C   🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#GetSystemLog:instanceId=i-01f6f5bcc97c631be   ☆   ⬇ ▯   🌐 Error   ⋮

aws   ⦙⦙⦙ Services   🔍 Search   [Alt+S]   ⯁   △   ⑦   ⚙   N. Virginia ▾   voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▾

EC2 Dashboard   ✕

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Dedicated Hosts

Capacity Reservations
New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

EC2 > Instances > i-01f6f5bcc97c631be > Get system log

Get system log Info

When you experience issues with your EC2 instance, reviewing system logs can help you pinpoint the cause.

System log

[⟳]   [⧉ Copy log]   [⬇ Download]

Review system log for instance i-01f6f5bcc97c631be as of Thu Feb 29 2024 10:29:08 GMT+0500 (Pakistan Standard Time)

```
[   33.861223] cloud-init[2207]: Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service â /usr/lib/systemd/system/http
[   33.860645] zram_generator::config[3755]: zram0: system has too much memory (949MB), limit is 800MB, ignoring.
ci-info: +++++++++++++++++++++++++++++Authorized keys from /home/ec2-user/.ssh/authorized_keys for user ec2-user+++++++++++++++++++++++++++++
ci-info: +---------+--------------------------------------------------------------------------------------------+--------+--------+
ci-info: | Keytype |                                    Fingerprint (sha256)                                    | Options | Comment |
ci-info: +---------+--------------------------------------------------------------------------------------------+--------+--------+
ci-info: | ssh-rsa | 0e:03:70:d2:0b:74:ee:e2:69:b0:2e:c5:64:a3:67:63:26:7f:c3:ab:ec:44:e5:32:e5:40:c1:08:09:1c:62:17 |    -    | vockey
ci-info: +---------+--------------------------------------------------------------------------------------------+--------+--------+
<14>Feb 29 05:23:00 cloud-init: ###########################################################
<14>Feb 29 05:23:00 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Feb 29 05:23:00 cloud-init: 256 SHA256:rkYC5BHKjO1/y0jmvEbGu86gTcH7FZ8/4TaX1xg+s1c root@ip-10-0-1-12.ec2.internal (ECDSA)
<14>Feb 29 05:23:00 cloud-init: 256 SHA256:mfxaDDllzlvWRXA1l+ieXriKzIFxleKd1a5H1Aqoiss root@ip-10-0-1-12.ec2.internal (ED25519)
<14>Feb 29 05:23:00 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>Feb 29 05:23:00 cloud-init: ###########################################################
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBDQV/ip9G61utpha0oAb9aGqd3wkcCCn01d4UP4kxyBQCLPxQ7XYAxTi06Clh3ty9
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIC7O+kafC59IoqFtnZlBkWfPsMFSP1PCmOSd5fI0EOaY root@ip-10-0-1-12.ec2.internal
      END SSH HOST KEY KEYS
```

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Lab - 3 Introduction to A   ×   ▽ Workbench - Vocareum   ×   Get instance screenshot   ×   +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#GetInstanceScreenshot:instanceId=i-01f6f5bcc97c631be

Error

aws   ▦ Services   🔍 Search   [Alt+S]   ⊠   ⬨   ⦾   ⚙   N. Virginia ▼   voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

EC2 > Instances > i-01f6f5bcc97c631be > Get instance screenshot

Get instance screenshot Info

Instance screenshot

↻   ⤓ Download

i-01f6f5bcc97c631be (Web Server) on 2024-02-29 at T10:30:24.103 +05:00

```
Amazon Linux 2023
Kernel 6.1.77-99.164.amzn2023.x86_64 on an x86_64 (-)

ip-10-0-1-12 login: [   32.392606] zram_generator::config[2375]: zram0: system h
as too much memory (949MB), limit is 800MB, ignoring.
[   33.860645] zram_generator::config[3755]: zram0: system has too much memory (
949MB), limit is 800MB, ignoring.
_
```

Lab - 3 Introduction to A   × | V Workbench - Vocareum   ×   Instances | EC2 | us-east-   ×   +

← → C   us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances: ☆   Error   ⋮

aws   ⦂⦂⦂ Services   Q Search   [Alt+S]   ⊡   ⌂   ⑦   ⚙   N. Virginia ▼   voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

EC2 Dashboard   ×   **Instances** (1/2) **Info**   ⟳   **Connect**   **Instance state ▼**   **Actions ▼**   **Launch instances**   ▼   ⊘

EC2 Global View   Q *Find Instance by attribute or tag (case-sensitive)*   Any state   ▼   ‹ **1** ›   ⚙

Events   ■ **Name** ✎   ▽   **Instance ID**   **Instance state**   ▽   **Instance type** ▽   **Status check**   **Alarm status**   **Availability Zone** ▽   **Public IPv4 DNS**

Console-to-Code **Preview**   ☑ Web Server   i-01f6f5bcc97c631be   ⊘ Running ⊕ ⊖   t2.micro   ⊘ 2/2 checks passed   View alarms +   us-east-1a   ec2-44-213-118-74.c

▼ **Instances**   ☐ Bastion Host   i-0f87f59884c066c15   ⊘ Running ⊕ ⊖   t2.micro   ⊘ 2/2 checks passed   View alarms +   us-east-1a   ec2-44-204-113-47.c

  Instances

  Instance Types

  Launch Templates   =

  Spot Requests   **Instance: i-01f6f5bcc97c631be (Web Server)**   ⚙ ✕

  Savings Plans

  Reserved Instances   **Details**   **Status and alarms** New   **Monitoring**   **Security**   **Networking**   **Storage**   **Tags**

  Dedicated Hosts

  Capacity Reservations   ▼ **Instance summary** Info
    New
                                  Instance ID   Public IPv4 address   Private IPv4 addresses
▼ **Images**   ⧉ i-01f6f5bcc97c631be (Web Server) ⧉ 44.213.118.74 |open address ☒   ⧉ 10.0.1.12

  AMIs   IPv6 address   Instance state   Public IPv4 DNS

  AMI Catalog   –   ⊘ Running   ⧉ ec2-44-213-118-74.compute-1.amazonaws.com |open
                                                                                                            address ☒
▼ **Elastic Block Store**
                                  Hostname type   Private IP DNS name (IPv4 only)
  Volumes   IP name: ip-10-0-1-12.ec2.internal ⧉ ip-10-0-1-12.ec2.internal

  Snapshots   Answer private resource DNS name   Instance type   Elastic IP addresses

Feb 29 10:43 AM

en₁ 95%

Lab - 3 Introduction to A ✕ | Workbench - Vocareum ✕ | SecurityGroups | EC2 | u ✕ +

← → C 🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroups: ☆ ⬇ □ 🌐 Error ⋮

aws ⠿ Services 🔍 Search [Alt+S] 🖵 🔔 ❓ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

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⊘ Inbound security group rules successfully modified on security group (**sg-0b6ac55471dab9ff0 | Web Server security group**) ✕

▶ Details

ⓘ

⟳

Security Groups (5) **Info**

🔍 Find resources by attribute or tag

⟳   Actions ▼   Export security groups to CSV   ▼   **Create security group**

< 1 >   ⚙

☐	Name ▽	Security group ID ▽	Security group name ▽	VPC ID ▽	Description
☐	–	sg-0d5be17fdbf58550a	default	vpc-0f6e8e5d109f01227 ↗	default VPC security grc
☐	–	sg-0165d6e939b89af31	Ec2SecurityGroup	vpc-0cc06fb2c480bca59 ↗	VPC Security Group
				--	

◀ ▶

═

▭ ▣ ▣

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Hello From Your Web Server!

Lab - 3 Introduction to A × | Workbench - Vocareum × Instances | EC2 | us-east- × +

← → C 🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances: ☆ ⬇ ⬜ 🌐 Error ⋮

aws ⦂⦂⦂ Services 🔍 Search [Alt+S] ⯈ 🔔 ❓ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

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▼ **Instances**

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Instances (1/2) Info

Find instance by attribute or tag (case-sensitive) Any state ▼

☐ Name ▽ Instance ID Instance state ▽ Instance type ▽ Status check Alarm status Availability Zone ▽ Public IPv4 DNS

☑ Web Server i-01f6f5bcc97c631be ⊘ Running ⊕ ⊖ t2.micro ⊘ 2/2 checks passed View alarms + us-east-1a ec2-44-215-118-74.c

☐ Bastion Host i-0f87f59084c066c15 us-east-1a ec2-44-204-113-47.c

Instance: i-01f6f5bcc97c631be (Web Serve

Details Status and alarms New Monitoring

▼ Security details

IAM Role

—

Security groups

sg-0b6ac55471dab9ff0 (Web Server security group)

▼ Inbound rules

Filter rules

Stop instance? ✕

Instance IDs

⧉ i-01f6f5bcc97c631be (Web Server)

⚠ After you stop the instance, you are no longer charged usage or data transfer
fees for it. However, you will still be billed for associated resources, such as
attached EBS volumes and associated Elastic IP addresses.

To confirm that you want to stop the instance, choose the *Stop* button below.

Cancel **Stop**

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Lab - 3 Introduction to A   × | ∨ Workbench - Vocareum   ×   Change instance type | E   ×   +

← → C   ⛊ us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ChangeInstanceType:instanceId=i-01f6f5bcc97c631be   ☆ ◻ 🌐 Error   ⋮

aws   ▦ Services   🔍 Search   [Alt+S]   ⊡ ⬠ ⑦ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

≡

EC2 > Instances > i-01f6f5bcc97c631be > Change instance type   ⊘

Change instance type Info

You can change the instance type only if the current instance type and the instance type that you want are compatible.

Instance ID
📋 i-01f6f5bcc97c631be (Web Server)

Current instance type

t2.micro [Free Tier eligible]

New instance type

🔍 t2.small   ✕

☐ EBS-optimized
EBS-optimized is not supported for this instance type

⚠ **Charges may apply**
You are currently using t2.micro under the Free Tier. If you change to t2.small you will no longer be under
the Free Tier and you will be charged for instance usage.

▼ **Instance type comparison**

Attribute	t2.micro	t2.small

Lab - 3 Introduction to A | Workbench - Vocareum | Instances | EC2 | us-east- +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws ::: Services Q Search [Alt+S]

N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

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⊘ Instance type changed successfully ✕

Instances (2) **Info**

[↻] [Connect] [Instance state ▼] [Actions ▼] [**Launch instances** ▼]

Q Find Instance by attribute or tag (case-sensitive)

Any state ▼

⟨ 1 ⟩ ⚙

	Name ✎	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Public IPv4 DNS
☐	Web Server		i-01f6f5bcc97c631be	⊖ Stopped ⊕ ⊖		t2.small		–	View alarms +	us-east-1a		–
☐	Bastion Host		i-0f87f59884c066c15	⊘ Running ⊕ ⊖		t2.micro		⊘ 2/2 checks passed	View alarms +	us-east-1a		ec2-44-204-113-47.c

Select an instance ⚙ ✕

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ChangeStopProtection:instanceId=i-01f6f5bcc97c631be

aws ⠿ Services 🔍 Search [Alt+S] ▣ ⟁ ⑦ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

≡

EC2 > Instances > i-01f6f5bcc97c631be > Change stop protection

Change stop protection Info

Enable stop protection to prevent your instance from being accidentally stopped.

Instance ID

📋 i-01f6f5bcc97c631be (Web Server)

Stop protection

☑ Enable

Cancel **Save**

en₁ 86%

Lab - 3 Introduction to A   ✕ | Workbench - Vocareum   ✕ | Volumes | EC2 | us-east-1   ✕ +

← → C 🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Volumes: ☆ 🔲 Error ⋮

aws ::: Services 🔍 Search [Alt+S] ▣ △ ⓘ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼
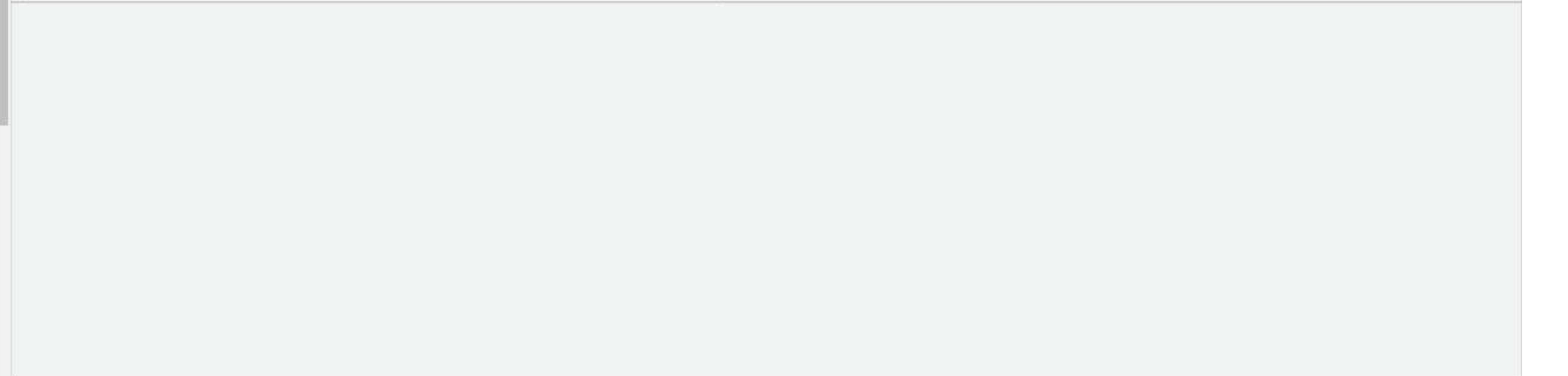
EC2 Dashboard ✕

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▼ **Instances**

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  New

▼ **Images**

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▼ **Elastic Block Store**

Volumes

Snapshots

ⓘ **Requested volume modification for volume vol-089112a4f362dee97.**
   The volume is being modified. ✕

ⓘ

⊘

Volumes (2) **Info**   🔄   **Actions ▼**   **Create volume**

🔍 Search   < 1 > ⚙

☐	Name ▽	Volume ID ▽	Type ▽	Size ▽	IOPS ▽	Throughput ▽	Snapshot ▽	Created ▽	Availability
☐	–	vol-08c0d2d50e7b2553a	gp3	8 GiB	3000	125	snap-0fc9d6b...	2024/02/29 09:58 GMT+5	us-east-1a
☐	–	vol-089112a4f362dee97	gp3	8 GiB	3000	125	snap-0fc9d6b...	2024/02/29 10:22 GMT+5	us-east-1a

Summary for all volumes in this Region ⌃

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en₁ 📶 🔊 🔋 81%

Lab - 3 Introduction to A × | ▽ Workbench - Vocareum × | Instances | EC2 | us-east- × +

← → C 🔒 us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances: ☆ 🔲 🌐 Error ⋮

aws ⚏ Services 🔍 Search [Alt+S] ▣ △ ⑦ ⚙ N. Virginia ▾ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▾

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⊗ **Failed to stop the instance i-01f6f5bcc97c631be** ✕
The Instance 'i-01f6f5bcc97c631be' may not be stopped. Modify its 'disableApiStop' Instance attribute and try again.

Instances (1/2) Info ⟳ Connect Instance state ▾ Actions ▾ **Launch instances** ▾

🔍 Find Instance by attribute or tag (case-sensitive) Any state ▾ ‹ 1 › ⚙

☑	Name ✎	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Public IPv4 DNS	▽
☑	Web Server		i-01f6f5bcc97c631be	⊘ Running ⊕ ⊖		t2.small		⊘ 2/2 checks passed	View alarms +	us-east-1a		ec2-3-227-229-181.co...	
☐	Bastion Host		i-0f87f59884c066c15	⊘ Running ⊕ ⊖		t2.micro		⊘ 2/2 checks passed	View alarms +	us-east-1a		ec2-44-204-113-47.co...	

=

Instance: i-01f6f5bcc97c631be (Web Server) ⚙ ✕

Details Status and alarms New Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID
📋 i-01f6f5bcc97c631be (Web Server)

Public IPv4 address
📋 3.227.229.181 |open address ↗

Private IPv4 addresses
📋 10.0.1.12

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
📋 ec2-3-227-229-181.compute-1.amazonaws.com |open
address ↗

Hostname type
IP name: ip-10-0-1-12.ec2.internal

Private IP DNS name (IPv4 only)
📋 ip-10-0-1-12.ec2.internal

Answer private resource DNS name

Instance type

Elastic IP addresses

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Lab - 3 Introduction to A × | ∇ Workbench - Vocareum × | 🔲 Instances | EC2 | us-east- × +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances: ☆ 🔲 🌐 Error ⋮

aws ▦ Services 🔍 Search [Alt+S] 🔲 △ ⊘ ⚙ N. Virginia ▼ voclabs/user3067532=bitf20m541@pucit.edu.pk @ 7673-9799-4816 ▼

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⊘ Successfully stopped i-01f6f5bcc97c631be ✕

Notifications ⊗ 0 ⚠ 0 ⊘ 2 ⓘ 0 ⊙ 0 ∨

Instances (1/2) **Info** ⟳ Connect Instance state ▼ Actions ▼ **Launch instances** ▼

🔍 Find Instance by attribute or tag (case-sensitive) Any state ▼ ‹ 1 › ⚙

☐	Name ✎ ▽	Instance ID	Instance state ▽	Instance type ▽	Status check	Alarm status	Availability Zone ▽	Public IPv4 DNS
☑	Web Server	i-01f6f5bcc97c631be	⊖ Stopped ⊕ ⊖	t2.small	⊘ 2/2 checks passed	View alarms ✚	us-east-1a	–
☐	Bastion Host	i-0f87f59884c066c15	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passed	View alarms ✚	us-east-1a	ec2-44-204-113-47.c

=

Instance: i-01f6f5bcc97c631be (Web Server) ⚙ ✕

Details Status and alarms **New** Monitoring Security Networking Storage Tags

▼ **Instance summary** Info

Instance ID
📋 i-01f6f5bcc97c631be (Web Server)

Public IPv4 address
–

Private IPv4 addresses
📋 10.0.1.12

IPv6 address
–

Instance state
⊖ Stopped

Public IPv4 DNS
–

Hostname type
IP name: ip-10-0-1-12.ec2.internal

Private IP DNS name (IPv4 only)
📋 ip-10-0-1-12.ec2.internal

Answer private resource DNS name
–

Instance type
t2.small

Elastic IP addresses
–

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labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=2610316&stepid=2610317&hideNavBar=1   ☆   Error

AWS   00:57   ▶ Start Lab   ■ End Lab   i AWS Details   i Details

Submit   Submission Report   Grades

EN-US

You can stop your instance when you do not need to access but you would still like to retain it. In this task, you will learn how to use *stop protection*.

54. In the AWS Management Console, in the search box next to ⊞ **Services**, search for and choose EC2 to return to the EC2 console.

55. In left navigation pane, choose **Instances**.

56. Select the **Web Server** instance and in the Instance state ▼ menu, select **Stop instance**.

57. Then choose Stop

Note that there is a message that says: *Failed to stop the instance i-1234567xxx. The instance 'i-1234567xxx' may not be stopped. Modify its 'disableApiStop' instance attribute and try again.*

This shows that the stop protection that you enabled earlier in this lab is now providing a safeguard to prevent the accidental stopping of an instance. If you really want to stop the instance, you will need to disable the stop protection.

58. In the Actions ▼ menu, select **Instance settings ▶ Change stop protection**.

Total score	25/25
Task 1 - EC2 instance created correctly	5/5
Task 2 - get system log requested	5/5
Task 3 - security group updated	5/5
Task 4 - EC2 instance updated	5/5
Task 6 - Instance stopped on second try	5/5