Instances (1/10) Info

Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)

< 1 >

	Name	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Pu
☐	l3-jump-host		i-08f8fa4c2ca44a0e0	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		–
☑	l3--Private		i-03734c894eb18efa4	⊘ Running ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		–
☐	L3-1-priv		i-098e7c3ff4de76c83	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		–
☐	jump-host		i-0d5a8e07b1347688f	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		–

=

Instance: i-03734c894eb18efa4 (l3--Private)

⚙ ✕

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

▼ Instance summary Info

Instance ID
🗇 i-03734c894eb18efa4 (l3--Private)

Public IPv4 address
–

Private IPv4 addresses
🗇 10.0.0.137

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-0-0-137.ec2.internal

Private IP DNS name (IPv4 only)
🗇 ip-10-0-0-137.ec2.internal

Answer private resource DNS name
IPv4 (A)

Instance type
t2.micro

Elastic IP addresses
–

Instances (1/10) Info

Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)

< 1 >

	Name	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	P
☐	l3-jump-host		i-08f8fa4c2ca44a0e0	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		
☑	l3--Private		i-03734c894eb18efa4	⊘ Running ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		–
☐	L3-1-priv		i-098e7c3ff4de76c83	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +	us-east-1a		
☐	jump-host		i-0d5a8e07b1347688f	⊖ Terminated ⊕ ⊖		t2.micro		–	No alarms +			

=

Instance: i-03734c894eb18efa4 (l3--Private)

⚙ ✕

Filter rules

< 1 >

Name	Security group rule ID	Port range	Protocol	Source	Security groups
–	sgr-026d21fcfccf688bc	22	TCP	sg-089ef0f1c253f4abc ↗	l3-private-SSHonly-fro

▼ Outbound rules

Filter rules

< 1 >

Name	Security group rule ID	Port range	Protocol	Destination	Security groups
–	sgr-00c640fa2c253fb63	All	All	0.0.0.0/0	l3-private-SSHonly-fro

IAM   VPC   EC2   CloudWatch

VPC dashboard   ✕

EC2 Global View ⎘ New

Filter by VPC:

Select a VPC   ▼

▼ **Virtual private cloud**

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Your VPCs (1/1) Info   ↻   Actions ▼   **Create VPC**   ⓘ

Q Filter VPCs							

search: lab3 ✕   Clear filters   ‹ 1 ›   ⚙

☑	Name	▽	VPC ID	▽	State	▽	IPv4 CIDR	▽	IPv6 CIDR	▽	DHCP opt
☑	lab3-1-vpc		vpc-08c1e6b0943d8dccb		⊘ Available		10.0.0.0/24		–		dopt-049

—

Details

VPC ID	State	DNS hostnames	DNS resolution
⬚ vpc-08c1e6b0943d8dccb	⊘ Available	Enabled	Enabled
Tenancy	DHCP option set	Main route table	Main network ACL
Default	dopt-0498d8e6d98b25759	rtb-0e232b8572b3fc49e	acl-06146df7fc45eedfc
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR (Network border group)
No	10.0.0.0/24	–	–
Network Address Usage metrics	Route 53 Resolver DNS Firewall rule groups	Owner ID	
Disabled	–	⬚ 612386077301	

```
[ahmed@localhost Downloads]$ ssh -i "Sprints-lab2.pem" ubuntu@54.85.71.156
The authenticity of host '54.85.71.156 (54.85.71.156)' can't be established.
ECDSA key fingerprint is SHA256:FIKiGBmVqSP7k6/f7TiovDvUlkpdah+QUAmkL9GN49c.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.85.71.156' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Mon Jan  2 22:33:54 UTC 2023

  System load:  0.0               Processes:             97
  Usage of /:   19.8% of 7.57GB   Users logged in:       0
  Memory usage: 21%               IPv4 address for eth0: 10.0.0.8
  Swap usage:   0%

0 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-8:~$ exit
```

Instances (1/1) Info

Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)

〈 1 〉

l3 ✕ | Clear filters

☑	Name ▽	Instance ID	Instance state ▽	Instance type ▽	Status check	Alarm status	Availability Zone ▽	Pu
☑	l3-jump-host	i-08f8fa4c2ca44a0e0	⊘ Running ⊕⊝	t2.micro	–	No alarms ╋	us-east-1a	ec2

Instance: i-08f8fa4c2ca44a0e0 (l3-jump-host)

Filter rules

〈 1 〉

Name	Security group rule ID	Port range	Protocol	Source	Security groups
–	sgr-0d1f18e1b28ff88c9	22	TCP	0.0.0.0/0	SSH-Conn-only ↗

▼ Outbound rules

Filter rules

〈 1 〉

Name	Security group rule ID	Port range	Protocol	Destination	Security groups
–	sgr-06dccee8671acfde1	All	All	0.0.0.0/0	SSH-Conn-only ↗

Instances (1/10) Info

Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

Find instance by attribute or tag (case-sensitive)

〈 1 〉

☐	Name ▽	Instance ID	Instance state ▽	Instance type ▽	Status check	Alarm status	Availability Zone ▽	Pr
☐	l2-2	i-02125815c2d203cb4	⊖ Stopped ⊕⊝	t2.micro	–	No alarms ╋	us-east-1a	–
☑	l3-jumphost	i-01f76ac3964ff8581	⊘ Running ⊕⊝	t2.micro	⊘ 2/2 checks passed	No alarms ╋	us-east-1a	ec
☐	l3-jump-host	i-08f8fa4c2ca44a0e0	⊖ Terminated ⊕⊝	t2.micro	–	No alarms ╋	us-east-1a	–
☐	l3_Private	i-03734c804cb18efa4	⊘ Running ⊕⊝	t2.micro	–	No alarms ╋	us-east-1a	

Instance: i-01f76ac3964ff8581 (l3-jumphost)

▼ Instance summary Info

Instance ID
⧉ i-01f76ac3964ff8581 (l3-jumphost)

Public IPv4 address
⧉ 54.85.71.156 | open address ↗

Private IPv4 addresses
⧉ 10.0.0.8

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
⧉ ec2-54-85-71-156.compute-1.amazonaws.com | open address ↗

Hostname type
IP name: ip-10-0-0-8.ec2.internal

Private IP DNS name (IPv4 only)
⧉ ip-10-0-0-8.ec2.internal

Answer private resource DNS name
IPv4 (A)

Instance type
t2.micro

Elastic IP addresses
–

```
            [-S program] source ... target
ahmed@localhost Downloads]$ scp -i Sprints-lab2.pem Sprints-lab2.pem ubuntu@54.85.71.156:/home/ubuntu/Sprints-lab2.pem
Sprints-lab2.pem                                                                          100% 1678     11.5KB/s   00:00

ahmed@localhost Downloads]$ ssh -i "Sprints-lab2.pem" ubuntu@54.85.71.156
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Mon Jan  2 22:57:04 UTC 2023

  System load:  0.0               Processes:             98
  Usage of /:   20.0% of 7.57GB   Users logged in:       0
  Memory usage: 22%               IPv4 address for eth0: 10.0.0.8
  Swap usage:   0%


 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Mon Jan  2 22:33:55 2023 from 197.133.180.75
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-8:~$ ls -a
 ..  .bash_history  .bash_logout  .bashrc  .cache  .profile  .ssh  Sprints-lab2.pem
ubuntu@ip-10-0-0-8:~$
```

```
Last login: Mon Jan  2 22:33:55 2023 from 197.133.180.75
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-8:~$ ls -a
.  ..  .bash_history  .bash_logout  .bashrc  .cache  .profile  .ssh  Sprints-lab2.pem
ubuntu@ip-10-0-0-8:~$ ssh -i "Sprints-lab2.pem" ubuntu@10.0.0.137
The authenticity of host '10.0.0.137 (10.0.0.137)' can't be established.
ED25519 key fingerprint is SHA256:OssvtJF9sKEjzTQXWJgsNh3AnW+KNwaf8/drSzaUVvw.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '10.0.0.137' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Mon Jan  2 23:00:26 UTC 2023

  System load:  0.0               Processes:             96
  Usage of /:   19.9% of 7.57GB   Users logged in:       0
  Memory usage: 20%               IPv4 address for eth0: 10.0.0.137
  Swap usage:   0%

0 updates can be applied immediately.


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


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individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-137:~$
```

Instance: i-098e7c3ff4de76c83 (L3-1-priv)   ⚙ ✕

Instance ID	Public IPv4 address	Private IPv4 addresses
⧉ i-098e7c3ff4de76c83 (L3-1-priv)	–	⧉ 10.0.0.137
IPv6 address	**Instance state**	**Public IPv4 DNS**
–	⊘ Running	–
Hostname type	**Private IP DNS name (IPv4 only)**	
IP name: ip-10-0-0-137.ec2.internal	⧉ ip-10-0-0-137.ec2.internal	
Answer private resource DNS name	**Instance type**	**Elastic IP addresses**
IPv4 (A)	t2.micro	–
Auto-assigned IP address	**VPC ID**	**AWS Compute Optimizer finding**
–	⧉ vpc-08c1e6b0943d8dccb (lab3-1-vpc) ⧉	ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more ⧉

IAM | VPC | EC2 | CloudWatch

● New EC2 Experience   ✕
   Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

▼ Instances
   Instances
   Instance Types
   Launch Templates
   Spot Requests
   Savings Plans
   Reserved Instances
   Dedicated Hosts
   Scheduled Instances
   Capacity Reservations

▼ Images
   AMIs

Instances (1/8) Info   ⟳ Connect Instance state ▾ Actions ▾ **Launch instances** ▾

Q Find instance by attribute or tag (case-sensitive)   ‹ 1 › ⚙

☐	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Pu
☐	l2-2	i-02125815c2d203cb4	⊖ Stopped ⊕⊖	t2.micro	–	No alarms +	us-east-1a	–
☐	l3-jump-host	i-08f8fa4c2ca44a0e0	⊘ Running ⊕⊖	t2.micro	⊘ 2/2 checks passed	No alarms +	us-east-1a	ec2
☑	L3-1-priv	i-098e7c3ff4de76c83	⊘ Running ⊕⊖	t2.micro	⊕ Initializing	No alarms +	us-east-1a	–
☐	jump-host	i-0d5a8e07b1347688f	⊖ Terminated ⊕⊖	t2.micro	–	No alarms +	us-east-1a	–

═

Instance: i-098e7c3ff4de76c83 (L3-1-priv)   ⚙ ✕

–   ⊡ 612386077301   Tue Jan 03 2023 00:10:50 GMT+0200 (Eastern European
                                                                         Standard Time)
Security groups
⊡ sg-070e1d6ada6151a9b (launch-wizard-4)

▼ **Inbound rules**

Q Filter rules   ‹ 1 ›

Name	Security group rule ID	Port range	Protocol	Source	Security groups
–	sgr-0645a9df49ce0a7fe	22	TCP	sg-01615631e39bfb1f9 ⧉	launch-wizard-4 ⧉