

LAB 3

الاسم: سلمى محمد يوسف

Q1:

Instances' IPs:

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input checked="" type="checkbox"/>	my-public-ec2	i-095d0118ef721dc34	Running	t2.micro	2/2 checks passed	No alarms
<input type="checkbox"/>	my-private-ec2	i-03b79edebb2691207	Running	t2.micro	-	No alarms

Instance: i-095d0118ef721dc34 (my-public-ec2)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-095d0118ef721dc34 (my-public-ec2)	Public IPv4 address 52.203.3.77 open address	Private IPv4 addresses 10.0.0.116
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-0-116.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-0-116.ec2.internal	

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	my-public-ec2	i-095d0118ef721dc34	Running	t2.micro	2/2 checks passed	No alarms
<input checked="" type="checkbox"/>	my-private-ec2	i-03b79edebb2691207	Running	t2.micro	-	No alarms

Instance: i-03b79edebb2691207 (my-private-ec2)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-03b79edebb2691207 (my-private-ec2)	Public IPv4 address -	Private IPv4 addresses 10.0.1.129
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-1-129.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-1-129.ec2.internal	

security groups:

Security Groups (1/4) Info

Actions

Export security groups to CSV

Create security group

Filter security groups

< 1 >

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-0d1bac1dfbdd3eb15	default	vpc-017cab00b780972b	default VPC sec
<input checked="" type="checkbox"/>	-	sg-04058725b47c89996	public-security-group	vpc-017cab00b780972b	security group f
<input type="checkbox"/>	-	sg-005dbe1bfaacd305e	private-security-group	vpc-017cab00b780972b	security group f

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (1/1)

Manage tags

Edit inbound rules

Filter security group rules

< 1 >

	Name	Security group rule...	IP version	Type	Protocol
<input checked="" type="checkbox"/>	-	sgr-0a18d8534daf68d34	IPv4	SSH	TCP

Security Groups (1/4) Info

Actions

Export security groups to CSV

Create security group

Filter security groups

< 1 >

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-0d1bac1dfbdd3eb15	default	vpc-017cab00b780972b	default VPC sec
<input checked="" type="checkbox"/>	-	sg-04058725b47c89996	public-security-group	vpc-017cab00b780972b	security group f
<input type="checkbox"/>	-	sg-005dbe1bfaacd305e	private-security-group	vpc-017cab00b780972b	security group f
<input type="checkbox"/>	-	sg-0be86d78738887094	default	vpc-02205e99d585995be ...	default VPC sec

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Outbound rules (1/1)

Manage tags

Edit outbound rules

Filter security group rules

< 1 >

	Name	Security group rule...	IP version	Type	Protocol
<input checked="" type="checkbox"/>	-	sgr-08b9d8504573ae...	IPv4	All traffic	All

Security Groups (1/4) Info

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-0a1b0ac1a1b0a005eb15	default	vpc-017cab00b780972b	default VPC security group
<input type="checkbox"/>	-	sg-04058725b47c89996	public-security-group	vpc-017cab00b780972b	security group for public EC2 instances
<input checked="" type="checkbox"/>	-	sg-005dbe1bfaacd305e	private-security-group	vpc-017cab00b780972b	security group for private EC2 instances
<input type="checkbox"/>	-	sg-0be86d78738887094	default	vpc-02205e99d585995be	default VPC security group

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (1/1)

Filter security group rules

	Type	Protocol	Port range	Source	Description
<input checked="" type="checkbox"/>	SSH	TCP	22	sg-04058725b47c89996	

Security Groups (1/4) Info

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-0a1b0ac1a1b0a005eb15	default	vpc-017cab00b780972b	default VPC security group
<input type="checkbox"/>	-	sg-04058725b47c89996	public-security-group	vpc-017cab00b780972b	security group for public EC2 instances
<input checked="" type="checkbox"/>	-	sg-005dbe1bfaacd305e	private-security-group	vpc-017cab00b780972b	security group for private EC2 instances
<input type="checkbox"/>	-	sg-0be86d78738887094	default	vpc-02205e99d585995be	default VPC security group

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Outbound rules (1/1)

Filter security group rules

	Type	Protocol	Port range	Destination	Description
<input checked="" type="checkbox"/>	All traffic	All	All	0.0.0.0/0	

ssh to the public ec2:

```

salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/AWS/Credentials$ chmod 400 public-ec2-keypair.pem
salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/AWS/Credentials$ ssh -i public-ec2-keypair.pem ubuntu@52.203.3.77
The authenticity of host '52.203.3.77 (52.203.3.77)' can't be established.
ED25519 key fingerprint is SHA256:SsutCotlmevelXQ4XbLLNq+NAuWLGyaA16lHYs1YDA.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '52.203.3.77' (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 Sun Jan 15 13:19:22 UTC 2023

System load:  0.0               Processes:    97
Usage of /:   20.0% of 7.57GB   Users logged in: 0
Memory usage: 22%              IPv4 address for eth0: 10.0.0.116
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.

```

copying the public keypair to the public ec2:

```

salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/AWS/Credentials$ scp -i public-ec2-keypair.pem public-ec2-keypair.pem ubuntu@52.203.3.77:/home/ubuntu
public-ec2-keypair.pem                                100% 1678    12.0KB/s   00:00

```

reconnect:

```

salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/AWS/Credentials$ scp -i public-ec2-keypair.pem public-ec2-keypair.pem ubuntu@52.203.3.77:/home/ubuntu
public-ec2-keypair.pem                                100% 1678    12.0KB/s   00:00
salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/AWS/Credentials$ ssh -i public-ec2-keypair.pem ubuntu@52.203.3.77
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 Sun Jan 15 13:24:41 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: 10.0.0.116
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

Last login: Sun Jan 15 13:19:23 2023 from 41.33.141.180
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-0-116:~$ ls
public-ec2-keypair.pem

```

ssh to the private ec2:

```
ubuntu@ip-10-0-0-116:~$ ssh -i public-ec2-keypair.pem ubuntu@10.0.1.129
The authenticity of host '10.0.1.129 (10.0.1.129)' can't be established.
ED25519 key fingerprint is SHA256:jZexAiOr6Los12+RQpMMziqN3qn0gCGBfnexlnTmBsm.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.1.129' (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 Sun Jan 15 13:25:35 UTC 2023

```
System load:  0.0               Processes:            97
Usage of /:    19.7% of 7.57GB   Users logged in:     0
Memory usage: 20%              IPv4 address for eth0: 10.0.1.129
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-10-0-1-129:~$
```