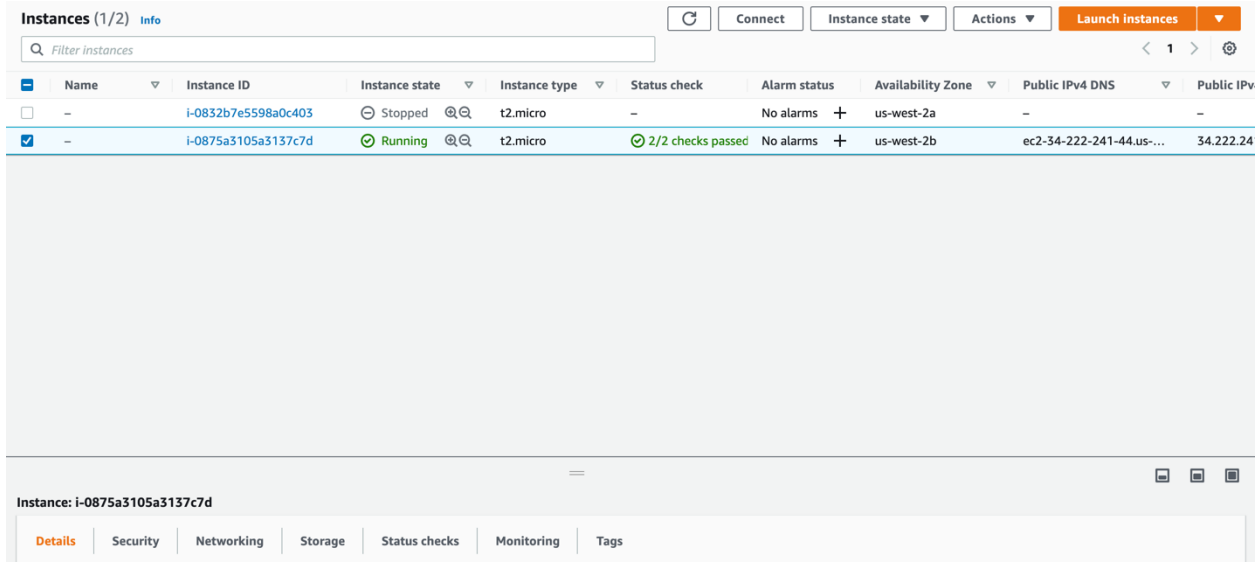


Ben Goodwin
MSDS7330 Miniproject 4
3/14/21

Question 1

Part A AWS EC2 Instance)



The screenshot shows the AWS Management Console 'Instances' page. At the top, there are buttons for 'Refresh', 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below these is a search bar labeled 'Filter instances'. The main table lists two EC2 instances:

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv
<input type="checkbox"/>	-	i-0832b7e5598a0c403	Stopped	t2.micro	-	No alarms	us-west-2a	-	-
<input checked="" type="checkbox"/>	-	i-0875a3105a3137c7d	Running	t2.micro	2/2 checks passed	No alarms	us-west-2b	ec2-34-222-241-44.us-...	34.222.241.44

Below the table, the 'Instance: i-0875a3105a3137c7d' details are shown, with tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The 'Details' tab is currently selected.

Part B, install MySQL community server)

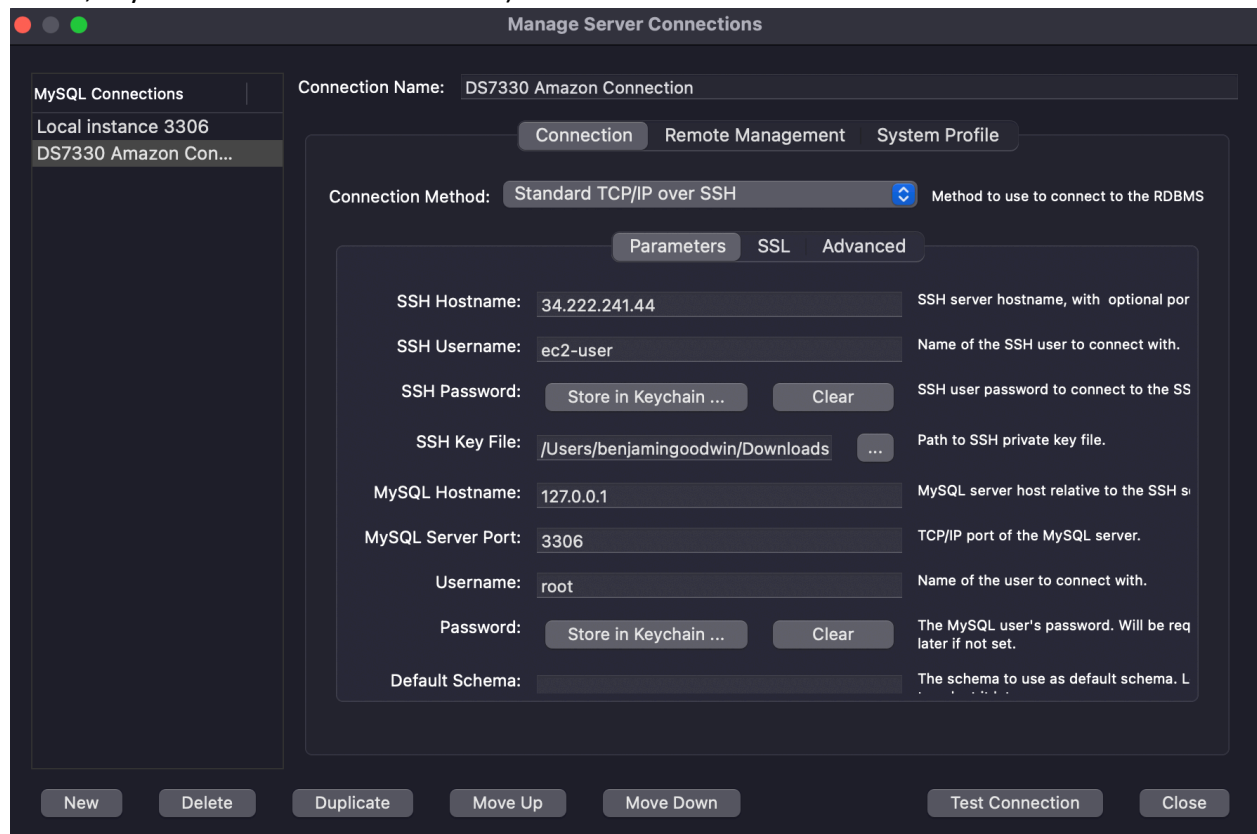
```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-46-12 ~]$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.33 MySQL Community Server (GPL)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

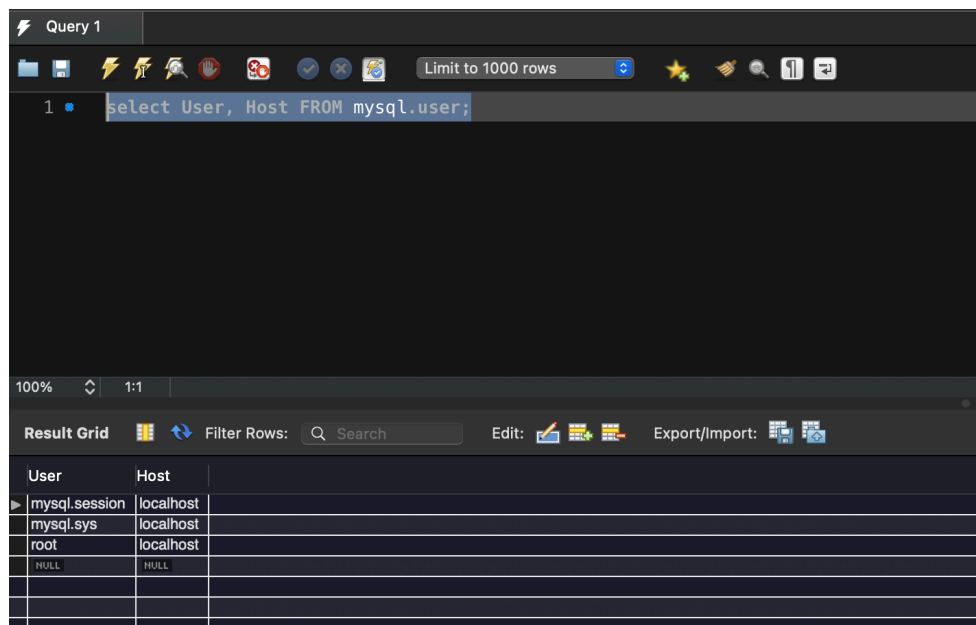
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

Part C, MySQL workbench to AWS EC2)




Part D, Query Local and command line)



```
mysql> select User, Host FROM mysql.user;
+-----+-----+
| User          | Host          |
+-----+-----+
| mysql.session | localhost     |
| mysql.sys     | localhost     |
| root          | localhost     |
+-----+-----+
3 rows in set (0.00 sec)
```

Question 2)

Part A, create a launch group)

<input checked="" type="checkbox"/>	Name ▾	Launch template/configuration  ▾	Instances ▾	Status ▾	Desired capacity ▾	Min ▾	Max ▾	Availability Zones ▾
<input checked="" type="checkbox"/>	Take2	Take2 Version Default	0	⌚ Updating capacity	1	1	1	us-west-2a

Take2 (lt-0a1808d888476c711)

Actions ▾

Delete template

Launch template details

Launch template ID

 lt-0a1808d888476c711

Launch template name

 Take2

Default version

 1

Owner

 arn:aws:iam::952388037843:root

Details

Versions

Template tags

Launch template version details

Actions ▾

Delete template version

Version

1 (Default) ▾


Description

 Take2

Date created

 2021-03-15T04:36:55.000Z

Created by

 arn:aws:iam::952388037843:root

Instance details

Storage

Resource tags

Network interfaces

Advanced details

AMI ID

 ami-00f9f4069d04c0c6e

Instance type

 t1.micro

Availability Zone

-

Key pair name

 Ben1

Part B, Create an auto-scaling group)

Group details			Edit
Desired capacity	1	Auto Scaling group name	Take2
Minimum capacity	1	Date created	Sun Mar 14 2021 22:39:54 GMT-0600 (Mountain Daylight Time)
Maximum capacity	1	Amazon Resource Name (ARN)	arn:aws:autoscaling:us-west-2:952388037843:autoScalingGroup:1bb23534-b9a8-4f9a-b4a8-f32564e9565a:autoScalingGroupName/Take2

Part C, Verify the scaling group)

I thought this was really cool once I realized how it works

Instances (5) Info

Filter instances

< 1 > ⚙

<input type="checkbox"/>	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 DNS ▾	Public IPv
<input type="checkbox"/>	-	i-0a0478a7e6cf9745c	⊖ Terminated🔍🔍	t1.micro	-	No alarms +	us-west-2c	-	-
<input type="checkbox"/>	-	i-0832b7e5598a0c403	⊖ Terminated🔍🔍	t2.micro	-	No alarms +	us-west-2a	-	-
<input type="checkbox"/>	-	i-058c9c45bc56b9b82	⊖ Terminated🔍🔍	t1.micro	-	No alarms +	us-west-2a	-	-
<input type="checkbox"/>	-	i-08248d634ac31a636	✔ Running 🔍🔍	t1.micro	✔ 2/2 checks passed	No alarms +	us-west-2a	ec2-34-223-225-6.us-w...	34.223.22
<input type="checkbox"/>	-	i-0875a3105a3137c7d	⊖ Terminated🔍🔍	t2.micro	-	No alarms +	us-west-2b	-	-