



Nombre: Selvin Lisandro Aragón Pérez
Carnet: 201701133

Practica 1

DIA 1

Carga masiva -> source Carga1.sql

```
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

Backup

1. Completo -> mysqldump -u selvin -p BD_201701133 > ./backups/Full1.sql

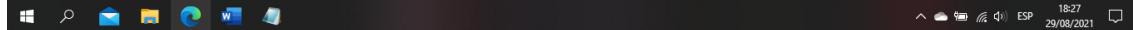
```
Memory usage: 61% IPv4 address for eth0: 172.31.35.42
Swap usage: 0%
* Super-optimized for small spaces - read how we shrank the memory
  footprint of MicroK8s to make it the smallest full K8s around.
https://ubuntu.com/blog/microk8s-memory-optimisation

83 updates can be applied immediately.
11 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Last login: Mon Aug 30 00:18:17 2021 from 3.16.146.1
ubuntu@ip-172-31-35-42:~$ mysqldump
Usage: mysqldump [OPTIONS] database [tables]
OR    mysqldump [OPTIONS] --databases [OPTIONS] DB1 [DB2 DB3...]
OR    mysqldump [OPTIONS] --all-databases [OPTIONS]
For more options, use mysqldump --help
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > Full1.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2  Full1.sql  backups
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full1.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



```
* Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

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Last login: Mon Aug 30 00:18:17 2021 from 3.16.146.1
ubuntu@ip-172-31-35-42:~$ mysqldump
Usage: mysqldump [OPTIONS] database [tables]
OR      mysqldump [OPTIONS] --databases [OPTIONS] DB1 [DB2 DB3...]
OR      mysqldump [OPTIONS] --all-databases [OPTIONS]
For more options, use mysqldump --help
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > Full1.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2  Full1.sql  backups
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full1.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql  FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
mysql> flush logs;
Query OK, 0 rows affected (0.02 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



System load: 0.02 Processes: 122
Usage of /: 31.4% of 7.69GB Users logged in: 1
Memory usage: 60% IPv4 address for eth0: 172.31.35.42
Swap usage: 0%

* Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.
<https://ubuntu.com/blog/microk8s-memory-optimisation>

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To see these additional updates run: apt list --upgradable

```
Last login: Mon Aug 30 00:16:50 2021 from 3.16.146.2
ubuntu@ip-172-31-35-42:~$ cd /var/log/mysql
ubuntu@ip-172-31-35-42:/var/log/mysql$ ls
error.log  error.log.1.gz  error.log.2.gz  mysql-bin.000001  mysql-bin.index  mysql-bin.index.save
ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo rm mysql-bin.000001
ubuntu@ip-172-31-35-42:/var/log/mysql$ ls
error.log  error.log.1.gz  error.log.2.gz  mysql-bin.000001  mysql-bin.index  mysql-bin.index.save
ubuntu@ip-172-31-35-42:/var/log/mysql$ ls
error.log  error.log.1.gz  error.log.2.gz  mysql-bin.000001  mysql-bin.000002  mysql-bin.index  mysql-bin.index.save
ubuntu@ip-172-31-35-42:/var/log/mysql$ ls
ubuntu@ip-172-31-35-42:/var/log/mysql$
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

domingo, 29 de agosto de 2021 18:25 ESP 29/08/2021

Selects

1. Select * from TABLA LIMIT 5

```
| sys          |
+-----+
5 rows in set (0.00 sec)

mysql> show tables;
+-----+
| Tables_in_BD_201701133 |
+-----+
| Practical           |
+-----+
1 row in set (0.00 sec)

mysql>
mysql> Select * from Practical LIMIT 5;
+-----+
| nombre      | palabraSecreta |
+-----+
| Jacki Charopen | capacity      |
| Wandis Akeherst | archive       |
| Haley Biagioni | array         |
| Laurie Wyper  | array         |
| Dennison Blandamere | Streamlined |
+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

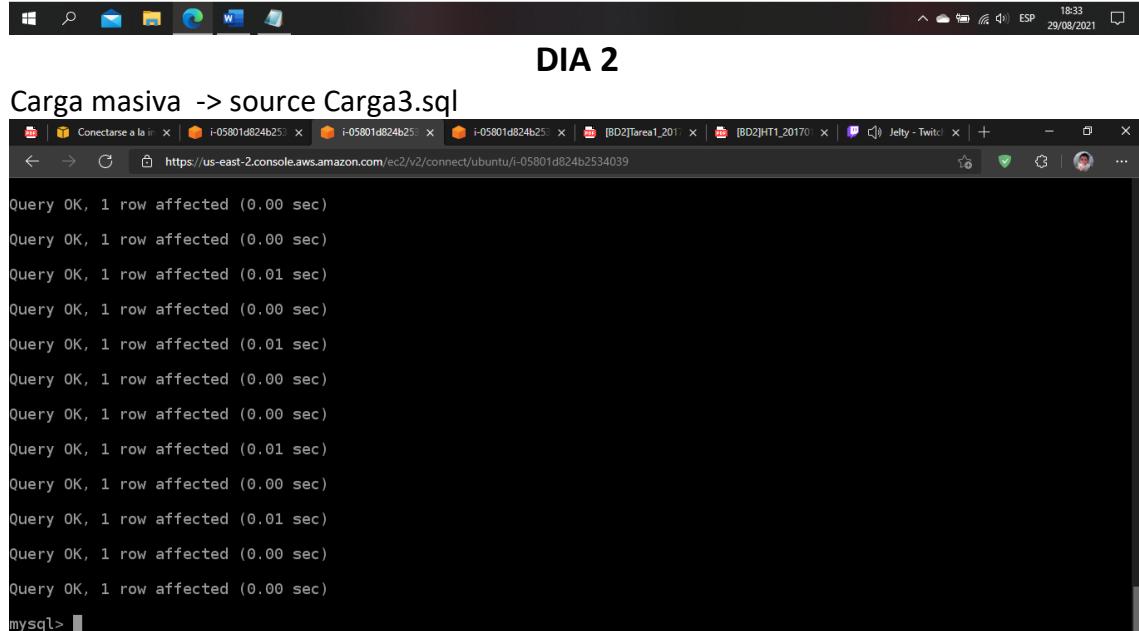
domingo, 29 de agosto de 2021 18:33 ESP 29/08/2021

2. Select * from TABLA ORDER BY nombre DESC LIMIT 5

```
Conectar a la | i-05801d824b25 | i-05801d824b25 | i-05801d824b25 | BD2Tarea1_201 | BD2HT1_20170 | Jetty - Twitc | +  
https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/-/05801d824b253409  
  
| nombre           | palabraSecreta |  
+-----+-----+  
| Jacki Charopen | capacity      |  
| Wandis Akeherst | archive       |  
| Haley Biagioni | array          |  
| Laurie Wyper   | array          |  
| Dennison Blandamere | Streamlined |  
+-----+-----+  
5 rows in set (0.00 sec)  
  
mysql> Select * from Practical ORDER BY primaryKey DESC LIMIT 5;  
ERROR 1054 (42S22): Unknown column 'primaryKey' in 'order clause'  
mysql>  
mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;  
+-----+-----+  
| nombre           | palabraSecreta |  
+-----+-----+  
| Zorine Rostron | encompassing |  
| Zollie Innocent | Reactive     |  
| Zachary Monini  | Horizontal  |  
| Zacharias Houlison | model      |  
| Zabrina Grishanov | superstructure |  
+-----+-----+  
5 rows in set (0.00 sec)  
  
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



j-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



Backup

1. Completo -> mysqldump -u selvin -p BD_20170133 > ./backups/Full2.sql

```
* Super-optimized for small spaces - read how we shrank the memory footprint of MicroK8s to make it the smallest full K8s around.

https://ubuntu.com/blog/microk8s-memory-optimisation

83 updates can be applied immediately.
11 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Last login: Mon Aug 30 00:40:55 2021 from 3.16.146.1
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full2.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
mysql> flush logs;
Query OK, 0 rows affected (0.02 sec)
mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

Selects

3. Select * from TABLA LIMIT 5

```
Conectarse a la instanci... i-05801d824b253403... i-05801d824b253403... [BD2]Tarea1_2017011... [BD2]HT1_20170113... Jetty - Twitch ...  
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039  
Query OK, 1 row affected (0.00 sec)  
Query OK, 1 row affected (0.01 sec)  
Query OK, 1 row affected (0.00 sec)  
Query OK, 1 row affected (0.00 sec)  
mysql> flush logs;  
Query OK, 0 rows affected (0.02 sec)  
  
mysql> Select * from Practical LIMIT 5;  
+-----+-----+  
| nombre | palabraSecreta |  
+-----+-----+  
| Jacki Charopen | capacity |  
| Wandin Akeherst | archive |  
| Haley Biagioni | array |  
| Laurie Wyper | array |  
| Dennison Blandamere | Streamlined |  
+-----+-----+  
5 rows in set (0.00 sec)  
  
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
4. from TABLA ORDER BY nombre DESC LIMIT 5  
Conectarse a la instanci... i-05801d824b253403... i-05801d824b253403... [BD2]Tarea1_2017011... [BD2]HT1_20170113... Jetty - Twitch ...  
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 20  
Server version: 8.0.26-Ubuntu0.20.04.2 (Ubuntu)  
  
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.  
  
mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;  
+-----+-----+  
| nombre | palabraSecreta |  
+-----+-----+  
| Zorina Rostron | encompassing |  
| Zorina Woof | bandwidth-monitored |  
| Zora Welland | Cross-platform |  
| Zora Thorndycraft | moratorium |  
| Zollie Innocent | Reactive |  
+-----+-----+  
5 rows in set (0.01 sec)  
  
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

DIA 3

Carga masiva -> source Carga5.sql

```
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Backup
3. Completo mysqldump -u selvin -p BD_201701133 > ./backups/Full3.sql
83 updates can be applied immediately.
11 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Last login: Mon Aug 30 00:40:55 2021 from 3.16.146.1
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full2.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full3.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
18:45 29/08/2021
4. Incremental -> flush logs
```

```
Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

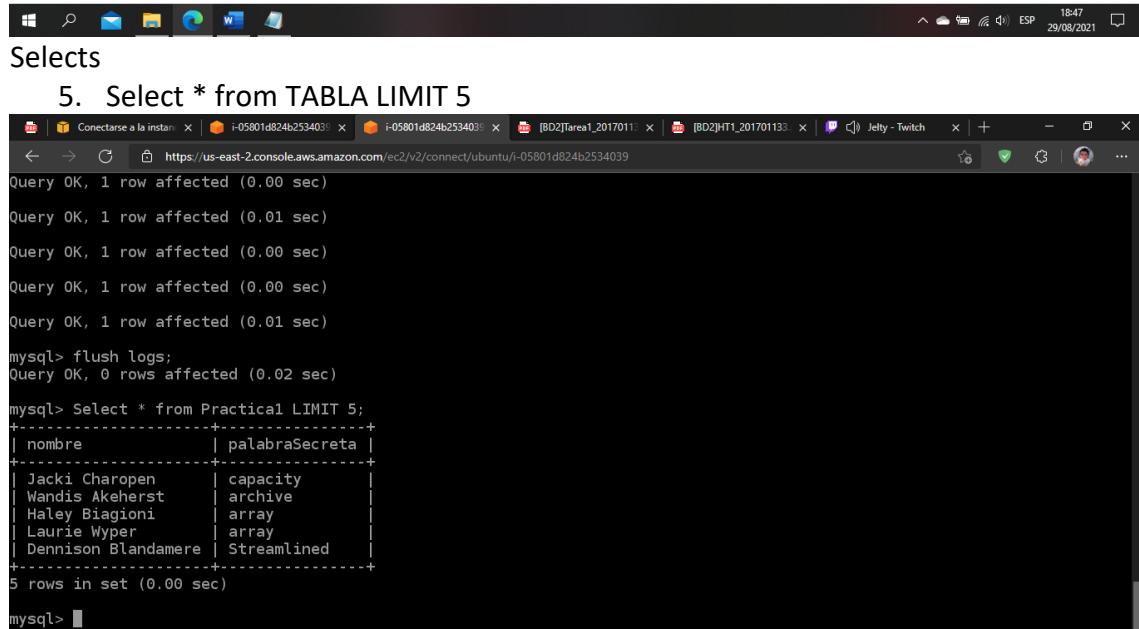
Query OK, 1 row affected (0.00 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



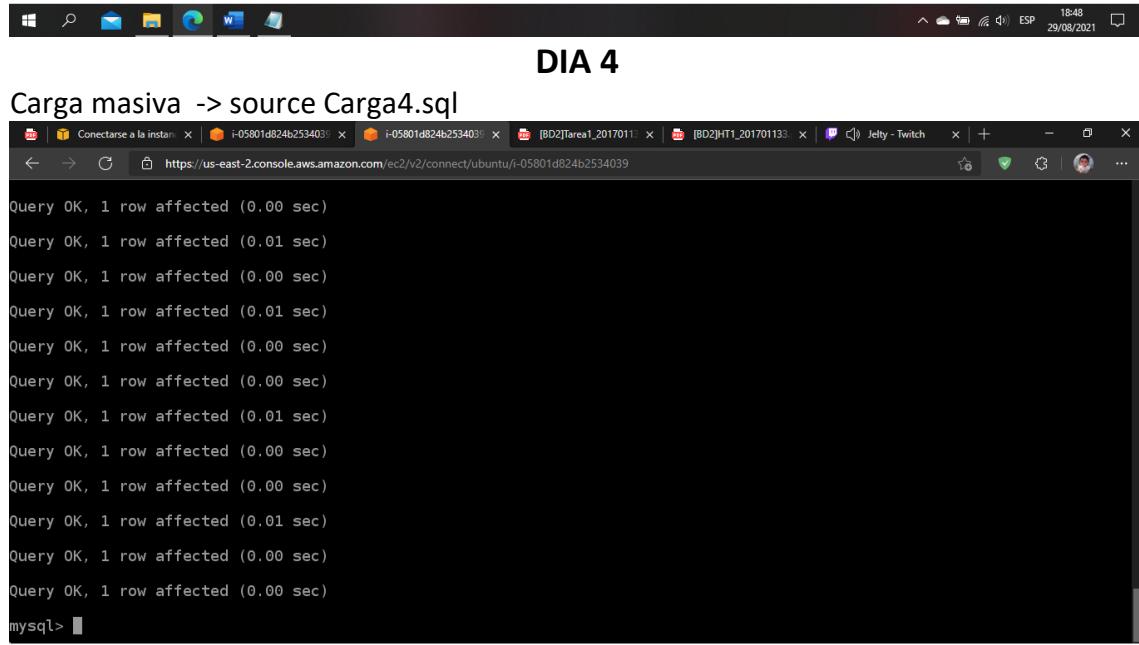
```
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity
| Wandis Akeherst | archive
| Haley Biagioni | array
| Laurie Wyper | array
| Dennison Blandamere | Streamlined
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities
| Zorine Wynes | 24 hour
| Zorine Rostron | encompassing
| Zorina Woof | bandwidth-monitored
| Zora Welland | Cross-platform
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



Backup

5. Completo mysqldump -u selvin -p BD_201701133 > ./backups/FullI4.sql

```
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full2.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full3.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full4.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql Full4.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
mysql> flush logs;
Query OK, 0 rows affected (0.02 sec)
mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

Selects

7. Select * from TABLA LIMIT 5

```
Concetrarse a la instant x | i-05801d824b253403 x | i-05801d824b253403 x | BD2|Tarea1_20170111 x | BD2|HT1_20170113 x | Jetty - Twitch x + - _ x

← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/-/05801d824b2534039
Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

mysql> flush logs;
Query OK, 0 rows affected (0.02 sec)

mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre          | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity      |
| Wandis Akeherst | archive       |
| Haley Biagiioni | array         |
| Laurie Wyper   | array         |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

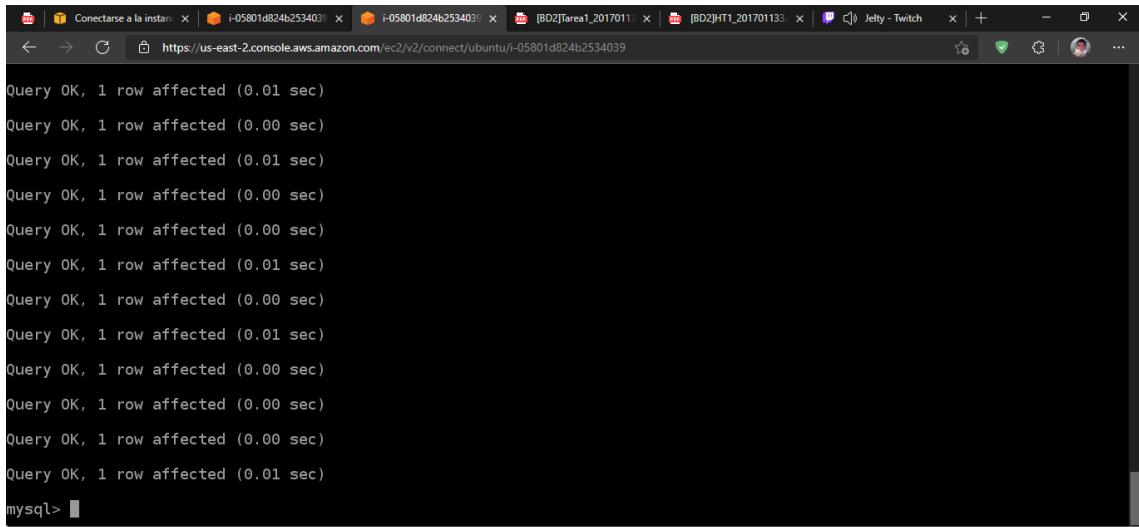
Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

j-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

PIA 5

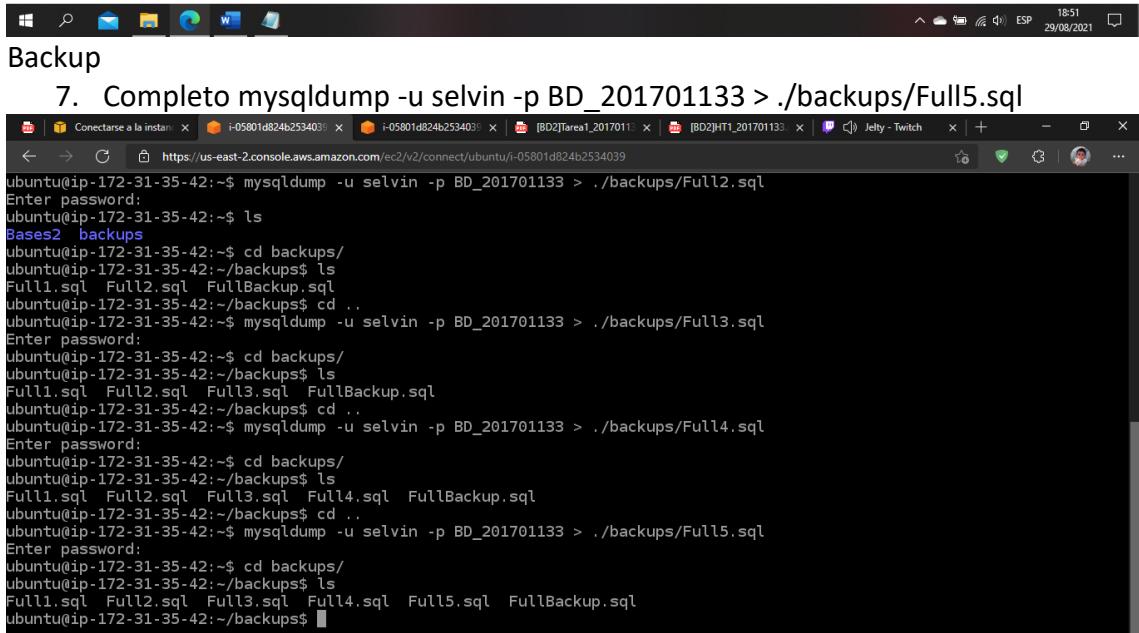
Carga masiva -> source Carga2.sql



```
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



Backup

7. Completo mysqldump -u selvin -p BD_201701133 > ./backups/Full5.sql

```
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full12.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ ls
Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full3.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full4.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql Full4.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ cd ..
ubuntu@ip-172-31-35-42:~$ mysqldump -u selvin -p BD_201701133 > ./backups/Full5.sql
Enter password:
ubuntu@ip-172-31-35-42:~$ cd backups/
ubuntu@ip-172-31-35-42:~/backups$ ls
Full1.sql Full2.sql Full3.sql Full4.sql Full5.sql FullBackup.sql
ubuntu@ip-172-31-35-42:~/backups$ ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



8. Incremental -> flush logs

```
Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.01 sec)

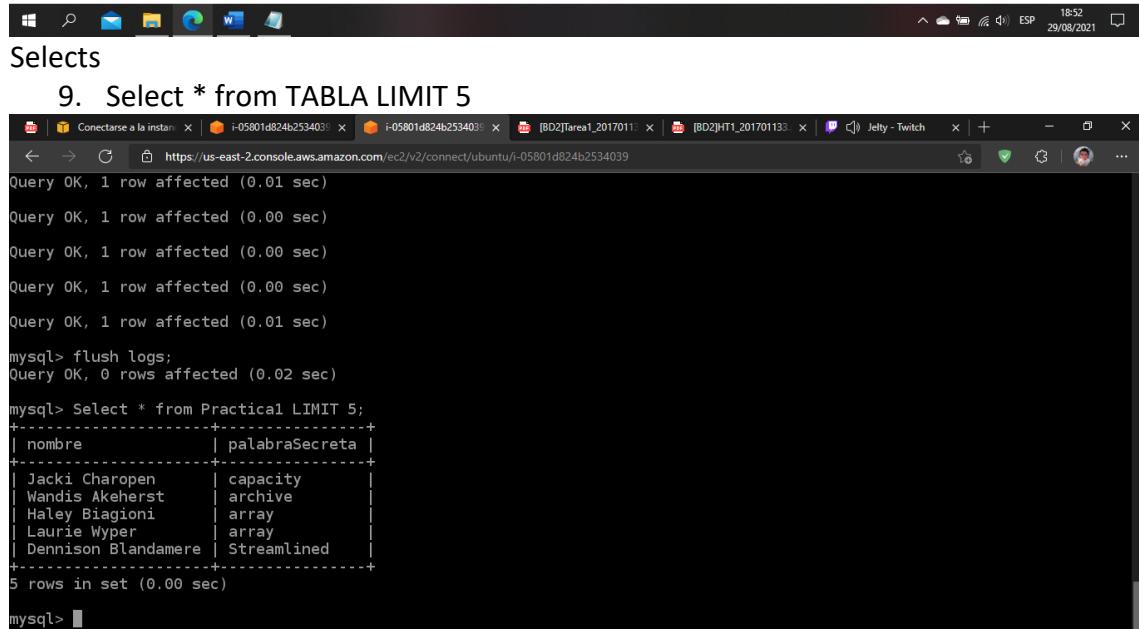
Query OK, 1 row affected (0.00 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

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i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

10. from TABLA ORDER BY nombre DESC LIMIT 5

```

mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.00 sec)

mysql> 

```

i-05801d824b2534039 (TareasBases)

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RECUPERACION

Eliminación de la base de datos

```

You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> show tables;
+-----+
| Tables_in_BD_201701133 |
+-----+
| Practical |
+-----+
1 row in set (0.00 sec)

mysql> drop table Practical;
Query OK, 0 rows affected (0.03 sec)

mysql> 

```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

Recuperación con Full Backups

1. Full 1 -> tiempo = 0.04 s

```
Conectar a la instancia | EC2 | i-05801d824b2534039 [TareasBases] | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Twitch | + | - | ⌂ | × | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)

Query OK, 750 rows affected (0.02 sec)
Records: 750  Duplicates: 0  Warnings: 0

Query OK, 0 rows affected (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
2. Select * from Practica1 LIMIT 5;
Conectar a la instancia | EC2 | i-05801d824b2534039 [TareasBases] | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Twitch | + | - | ⌂ | × | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre          | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity      |
| Wandis Akeherst | archive'     |
| Haley Biagioni | array         |
| Laurie Wyper   | array         |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
3. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
Conectar a la instancia | EC2 | i-05801d824b2534039 [TareasBases] | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Twitch | + | - | ⌂ | × | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
```

```
Conectarse a la instancia | i-05801d824b2534039 | [BD2]Tarea1_20170113 | [BD2]HT1_20170113 | Twitch | WhatsApp | + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity
| Wandis Akeherst | archive
| Haley Biagioni | array
| Laurie Wyper | array
| Dennison Blandamere | Streamlined
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorine Rostron | encompassing
| Zollie Innocent | Reactive
| Zachary Monini | Horizontal
| Zacharias Houlison | model
| Zabrina Grishanov | superstructure
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Conectarse a la instancia | EC | i-05801d824b2534039 (TareasBases) | [BD2]Tarea1_20170113.pdf | [BD2]HT1_20170113.pdf | Twitch | WhatsApp | + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorine Rostron | encompassing
| Zollie Innocent | Reactive
| Zachary Monini | Horizontal
| Zacharias Houlison | model
| Zabrina Grishanov | superstructure
+-----+-----+
5 rows in set (0.00 sec)

mysql> source Full2.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



```
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.02 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 1500 rows affected (0.03 sec)
Records: 1500  Duplicates: 0  Warnings: 0
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



5. Select * from Practica1 LIMIT 5;

```
Query OK, 0 rows affected (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



6. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;

Conectarse a la instancia | i-05801d824b2534039 | [BD2]Tarea1_20170113.pdf | [BD2]HT1_20170113.pdf | Twitch | WhatsApp | + - ×

https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039

```
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity
| Wandis Akeherst | archive
| Haley Biagioni | array
| Laurie Wyper | array
| Dennison Blandamere | Streamlined
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorine Rostron | encompassing
| Zorina Woof | bandwidth-monitored
| Zora Welland | Cross-platform
| Zora Thorndycraft | moratorium
| Zollie Innocent | Reactive
+-----+-----+
5 rows in set (0.00 sec)

mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

7. Full 3 ->tiempo = 0.04 s

Conectarse a la instancia | EC | i-05801d824b2534039 (TareasBases) | [BD2]Tarea1_20170113.pdf | [BD2]HT1_20170113.pdf | ElMariana - Twitch | WhatsApp | + - ×

https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039

```
mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorine Rostron | encompassing
| Zorina Woof | bandwidth-monitored
| Zora Welland | Cross-platform
| Zora Thorndycraft | moratorium
| Zollie Innocent | Reactive
+-----+-----+
5 rows in set (0.00 sec)

mysql> source Full3.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



```
Conectar a la instancia | EC... i-05801d824b2534039 (Tareas... [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)
Query OK, 2250 rows affected (0.04 sec)
Records: 2250 Duplicates: 0 Warnings: 0
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
8. Select * from Practica1 LIMIT 5;
Conectar a la instancia | EC... i-05801d824b2534039 (Tareas... [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive' |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
9. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
Conectar a la instancia | EC... i-05801d824b2534039 (Tareas... [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
20:52 29/08/2021
```

```
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
| Zora Welland | Cross-platform |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Windows 7 Start Menu https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039 20:52 29/08/2021
10. Full 4 -> tiempo = 0.07 s
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
| Zora Welland | Cross-platform |
+-----+-----+
5 rows in set (0.00 sec)

mysql> source Full4.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



```
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 3000 rows affected (0.07 sec)
Records: 3000  Duplicates: 0  Warnings: 0
Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
11. Select * from Practica1 LIMIT 5;
Query OK, 0 rows affected (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive' |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
12. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
```

```
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
13. Full 5 -> tiempo = 0.07 s
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.00 sec)

mysql> source Full5.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42



```
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)
Query OK, 3750 rows affected (0.07 sec)
Records: 3750 Duplicates: 0 Warnings: 0
Query OK, 0 rows affected (0.00 sec)
mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
14. Select * from Practica1 LIMIT 5;
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> ■
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
15. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf ElMariana - Twitch + - _ x
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Query OK, 0 rows affected (0.00 sec)
```

```

mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorine Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.01 sec)

mysql> 

```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

20:54 29/08/2021

Eliminación de la base de datos

```

.bash_history .bash_logout .bashrc .cache .mysql_history .profile .ssh .sudo_as_admin_successful Bases2 backups
ubuntu@ip-172-31-35-42:~$ cd /var/log/mysql
ubuntu@ip-172-31-35-42:/var/log/mysql$ ls
error.log  error.log.2.gz  mysql-bin.000002  mysql-bin.000004  mysql-bin.000006  mysql-bin.index.save
error.log.1.gz  mysql-bin.000001  mysql-bin.000003  mysql-bin.000005  mysql-bin.index
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> truncate table Practical;
Query OK, 0 rows affected (0.03 sec)

mysql> 

```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

21:10 29/08/2021

Recuperación con Incrementales

1. Incremental 1 -> tiempo =

```
Conectarse a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | [BD2]Tarea1_201701133.pdf | [BD2]HT1_201701133.pdf | Jetty - Twitch | + - _ x
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo mysqlbinlog mysql-bin.000001 | mysql -u selvin -p
Enter password:
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 29
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> show tables;
+-----+
| Tables_in_BD_201701133 |
+-----+
| Practical |
+-----+
1 row in set (0.00 sec)
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
2. Select * from Practica1 LIMIT 5;
Conectarse a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | [BD2]Tarea1_201701133.pdf | [BD2]HT1_201701133.pdf | Jetty - Twitch | + - _ x
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
+-----+
| Verney Krojn      | zero defect
| Rancell Grzelewski | Digitized
| Bernarr Simononsky | monitoring
| Gusella Heater    | Profound
| Valaree Widdall   | mobile
| Cinderella Kerne  | modular
| Jamesy Womersley  | logistical
| Raynard Dudill    | Phased
| Lawton Durn        | Right-sized
| Mattie Whittington | customer loyalty
+-----+
750 rows in set (0.00 sec)

mysql> Select * from Practica1 LIMIT 5;
+-----+
| nombre          | palabraSecreta |
+-----+
| Jacki Charopen | capacity       |
| Wandis Akeherst | archive'      |
| Haley Biagioni | array          |
| Laurie Wyper   | array          |
| Dennison Blandamere | Streamlined |
+-----+
5 rows in set (0.00 sec)

mysql>
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
3. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
Conectarse a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | [BD2]Tarea1_201701133.pdf | [BD2]HT1_201701133.pdf | Jetty - Twitch | + - _ x
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
+-----+
| nombre          | palabraSecreta |
+-----+
| Mattie Whittington | customer loyalty
| Lawton Durn        | Right-sized
| Jamesy Womersley  | logistical
| Cinderella Kerne  | modular
| Bernarr Simononsky | monitoring
+-----+
```

```
Conectar a la instancia | EC i-05801d824b2534039 [Tareas] BD2[Tarea1_201701133.pdf] BD2[HT1_201701133.pdf] Jetty - Twitch
https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039

mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorine Rostron | encompassing |
| Zollie Innocent | Reactive |
| Zachary Monini | Horizontal |
| Zacharias Houlison | model |
| Zabrina Grishanov | superstructure |
+-----+-----+
5 rows in set (0.00 sec)

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Windows 21:22 ESP 29/08/2021
4. Incremental 2 -> tiempo =
Conectar a la instancia | EC i-05801d824b2534039 [Tareas] BD2[Tarea1_201701133.pdf] BD2[HT1_201701133.pdf] Jetty - Twitch
https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039

| Zabrina Grishanov | superstructure |
+-----+-----+
5 rows in set (0.00 sec)

mysql> exit;
Bye
Ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo mysqlbinlog mysql-bin.000002 | mysql -u selvin -p
Enter password:
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 31
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Windows 21:22 ESP 29/08/2021
5. Select * from Practica1 LIMIT 5;
```

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 31
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)
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owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

6. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;

```
mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zorina Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
| Zora Welland | Cross-platform |
| Zora Thorndycraft | moratorium |
| Zollie Innocent | Reactive |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

7. Incremental 3 -> tiempo =

```
Conectar a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Jetty - Twitch | + | - | X | ... | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
| Zollie Innocent | Reactive |
+-----+-----+
5 rows in set (0.00 sec)

mysql> exit;
Bye
ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo mysqlbinlog mysql-bin.000003 | mysql -u selvin -p
Enter password:
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 33
Server version: 8.0.26-Ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
8. Select * from Practica1 LIMIT 5;
Conectar a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Jetty - Twitch | + | - | X | ... | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 33
Server version: 8.0.26-Ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
9. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
Conectar a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | BD2|Tarea1_201701133.pdf | BD2|HT1_201701133.pdf | Jetty - Twitch | + | - | X | ... | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
← → C https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
```

```
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf Jetty - Twitch
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
| Zora Welland | Cross-platform |
+-----+-----+
5 rows in set (0.00 sec)

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Windows 7 Start Menu 21:25 ESP 29/08/2021
10. Incremental 4 -> tiempo =
Conectar a la instancia | EC... i-05801d824b2534039 (TareasBases) [BD2]Tarea1_201701133.pdf [BD2]HT1_201701133.pdf Jetty - Twitch
← → ⌂ https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
| Zora Welland | Cross-platform |
+-----+-----+
5 rows in set (0.00 sec)

mysql> exit;
Bye
Ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo mysqlbinlog mysql-bin.000004 | mysql -u selvin -p
Enter password:
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 35
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
Windows 7 Start Menu 21:26 ESP 29/08/2021
11. Select * from Practica1 LIMIT 5;
```

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 35
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)
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owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

12. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;

```
mysql> Select * from Practica1 LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wyne | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.01 sec)

mysql> █
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

13. Incremental 5 -> tiempo =

```
| Zorina Woof      | bandwidth-monitored |
+-----+-----+
5 rows in set (0.01 sec)

mysql> exit;
Bye
ubuntu@ip-172-31-35-42:/var/log/mysql$ sudo mysqlbinlog mysql-bin.000005 | mysql -u selvin -p
Enter password:
ubuntu@ip-172-31-35-42:/var/log/mysql$ mysql -u selvin -p BD_201701133
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 37
Server version: 8.0.26-Ubuntu0.20.04.2 (Ubuntu)

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owners.

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

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
14. Select * from Practica1 LIMIT 5;

| nombre          | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity      |
| Wandis Akeherst | archive       |
| Haley Biagioni | array          |
| Laurie Wyper   | array          |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> 
```

i-05801d824b2534039 (TareasBases)

Public IPs: 18.216.156.209 Private IPs: 172.31.35.42

```
15. Select * from Practica1 ORDER BY nombre DESC LIMIT 5;
```

```

Conectar a la instancia | EC2 | i-05801d824b2534039 (TareasBases) | https://us-east-2.console.aws.amazon.com/ec2/v2/connect/ubuntu/i-05801d824b2534039
[BD2]Tarea1_201701133.pdf | [BD2]HT1_201701133.pdf | Jetty - Twitch

mysql> Select * from Practical LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Jacki Charopen | capacity |
| Wandis Akeherst | archive |
| Haley Biagioni | array |
| Laurie Wyper | array |
| Dennison Blandamere | Streamlined |
+-----+-----+
5 rows in set (0.00 sec)

mysql> Select * from Practical ORDER BY nombre DESC LIMIT 5;
+-----+-----+
| nombre | palabraSecreta |
+-----+-----+
| Zuzana Bodker | functionalities |
| Zsa zsa Witchalls | Multi-tiered |
| Zorine Wynes | 24 hour |
| Zorine Rostron | encompassing |
| Zorina Woof | bandwidth-monitored |
+-----+-----+
5 rows in set (0.00 sec)

mysql> ■

```

i-05801d824b2534039 (TareasBases)
Public IPs: 18.216.156.209 Private IPs: 172.31.35.42
Windows taskbar: 21:27 29/08/2021

ANALISIS

Tomando los tiempos de recuperación de ambos métodos se puede mostrar la siguiente tabla.

	FULL BACKUP	INCREMENTALES
CARGA1.SQL	0.02 s	0.02 s
CARGA3.SQL	0.03 s	0.03 s
CARGA5.SQL	0.04 s	0.04 s
CARGA4.SQL	0.07 s	0.05 s
CARGA2.SQL	0.07 s	0.05 s

Se puede observar que el fullbackup se necesitan muchas más recursos como espacios en el disco local pero se mantiene toda la información durante todo el proceso y las incrementales con un poco mas rápidas pero requiere un poco mas de atención del personal.

Conclusion

En este caso al ser un problema pequeño y si se necesitara velocidad o si se tuviera un equipo de bajos recursos, puede ser una buena opción el backup incremental.