```
┌──(kali㉿kali)-[~]
└─$ ssh andry@192.168.1.104
andry@192.168.1.104's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-83-generic x86_64)

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

  System information as of Sat Dec  9 06:34:07 PM UTC 2023

  System load:   0.01416015625    Processes:              107
  Usage of /:    65.8% of 11.21GB  Users logged in:        1
  Memory usage:  7%               IPv4 address for docker0: 172.17.0.1
  Swap usage:    0%               IPv4 address for enp0s3:  192.168.1.104

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


Last login: Sat Dec  9 18:31:08 2023 from 192.168.1.100
andry@andrysrv:~$ sudo -i
[sudo] password for andry:
root@andrysrv:~# docker pull mysql/mysql-server:latest
latest: Pulling from mysql/mysql-server
Digest: sha256:d6c8301b7834c5b9c2b733b10b7e630f441af7bc917c74dba379f24eeeb6a313
Status: Image is up to date for mysql/mysql-server:latest
docker.io/mysql/mysql-server:latest
```

```
root@andrysrv:~# docker images
REPOSITORY          TAG       IMAGE ID       CREATED        SIZE
bash                latest    7ba3c700ba40   8 days ago     13.9MB
mysql               latest    f7fdab215ab7   6 weeks ago    605MB
ubuntu              latest    c6b84b685f35   3 months ago   77.8MB
hello-world         latest    9c7a54a9a43c   7 months ago   13.3kB
mysql/mysql-server  latest    1d9c2219ff69   10 months ago  496MB
```

```
root@andrysrv:~# docker run -d --name mysql -p 33060:3306 -e MYSQL_ROOT_PASSWORD=root mysql/mysql-server:latest
06581a10a33aaffa2cd33864000f2ba3c1e077059e5ae0b1d3468c583dcfda12
root@andrysrv:~# docker exec -it mysql bash
bash-4.4# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2023, 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> CREATE USER 'user1'@'localhost' IDENTIFIED BY 'password1';
Query OK, 0 rows affected (0.01 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'user1'@'localhost';
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> CREATE DATABASE database1;
Query OK, 1 row affected (0.02 sec)

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| database1          |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE books(
    -> id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    -> title CHAR(100) NOT NULL,
    -> author CHAR(40) NOT NULL,
    -> price INT NOT NULL
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO books (title,author,price) VALUES("Green Mile","Stephen King","17");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO books (title,author,price) VALUES("Sherlock Holmes","Conan Doyle","22");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO books (title,author,price) VALUES("Robinson Crusoe","Daniel Defoe","18");
Query OK, 1 row affected (0.00 sec)

mysql> SHOW TABLES;
+--------------------+
| Tables_in_database1 |
+--------------------+
| books              |
+--------------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM books;
+----+-----------------+--------------+-------+
| id | title           | author       | price |
+----+-----------------+--------------+-------+
|  1 | Green Mile      | Stephen King |    17 |
|  2 | Sherlock Holmes | Conan Doyle  |    22 |
|  3 | Robinson Crusoe | Daniel Defoe |    18 |
+----+-----------------+--------------+-------+
3 rows in set (0.00 sec)

mysql> ^DBye
bash-4.4# mysqldump -u root -p database1 > backup.sql
Enter password:
bash-4.4# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 54
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2023, 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> CREATE DATABASE database2;
Query OK, 1 row affected (0.01 sec)

mysql> ^DBye
bash-4.4# mysql -u root -p database2 < backup.sql
Enter password:
bash-4.4# mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 60
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2023, 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> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| database1          |
| database2          |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
6 rows in set (0.00 sec)

mysql> USE database2;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW TABLES;
+---------------------+
| Tables_in_database2 |
+---------------------+
| books               |
+---------------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM books;
+----+-----------------+--------------+-------+
| id | title           | author       | price |
+----+-----------------+--------------+-------+
|  1 | Green Mile      | Stephen King |    17 |
|  2 | Sherlock Holmes | Conan Doyle  |    22 |
|  3 | Robinson Crusoe | Daniel Defoe |    18 |
+----+-----------------+--------------+-------+
3 rows in set (0.00 sec)

mysql> ^DBye
bash-4.4# mysqladmin -u root -p status
Enter password:
Uptime: 1649  Threads: 2  Questions: 209  Slow queries: 0  Opens: 209  Flush tables: 3  Open tables: 127  Queries per
 second avg: 0.126
```

New user for remote access to mysql and connection

For selected host:

```
mysql> CREATE USER 'userremote'@'192.168.0.121' IDENTIFIED BY 'kali';
Query OK, 0 rows affected (0.02 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'userremote'@'192.168.0.121';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
```

```
┌──(kali㉿kali)-[~]
└─$ mysql -u userremote -p -h 192.168.0.144 -P 33060
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 29
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]>
```

For any host:

```
mysql> CREATE USER 'user'@'%' IDENTIFIED BY 'user';
Query OK, 0 rows affected (0.01 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'user'@'%';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)
```

```
┌──(kali㊀kali)-[~]
└─$ mysql -u user -p -h 192.168.0.144 -P 33060
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 68
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]>
```