

1. Create a Cloud9 Environment with MySQL enabled. Please use platform Ubuntu Server 18.04 LTS when you are creating the environment.

## Configure settings

### Environment settings

#### Environment type [Info](#)

Run your environment in a new EC2 instance or an existing server. With EC2 instances, you can connect directly through Secure Shell (SSH) or connect via AWS Systems Manager (without opening inbound ports).

- ☒ **Create a new EC2 instance for environment (direct access)**  
Launch a new instance in this region that your environment can access directly via SSH.
- ☐ **Create a new no-ingress EC2 instance for environment (access via Systems Manager)**  
Launch a new instance in this region that your environment can access through Systems Manager.
- ☐ **Create and run in remote server (SSH connection)**  
Configure the secure connection to the remote server for your environment.

#### Instance type

- ☒ **t2.micro (1 GiB RAM + 1 vCPU)**  
Free-tier eligible. Ideal for educational users and exploration.
- ☐ **t3.small (2 GiB RAM + 2 vCPU)**  
Recommended for small-sized web projects.
- ☐ **m5.large (8 GiB RAM + 2 vCPU)**  
Recommended for production and general-purpose development.
- ☐ **Other instance type**  
Select an instance type.

t3.nano

#### Platform


- ☐ Amazon Linux 2 (recommended)
- ☐ Amazon Linux
- ☒ **Ubuntu Server 18.04 LTS**

#### Cost-saving setting

Choose a predetermined amount of time to auto-hibernate your environment and prevent unnecessary charges. We recommend a hibernation settings of half an hour of no activity to maximize savings.

After 30 minutes (default)

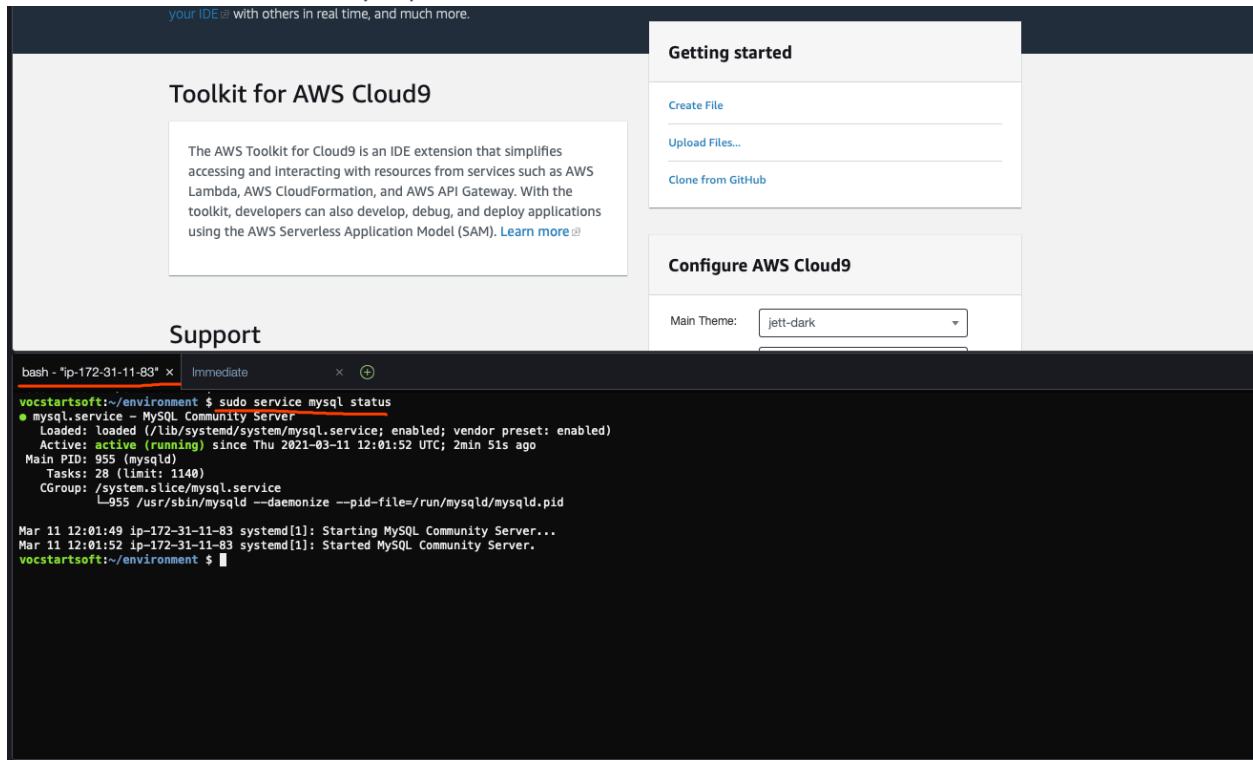
#### IAM role

AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#) 

AWSServiceRoleForAWSCloud9

## 2. Check the status of the MySQL server by

`sudo service mysql status`



## 3. Connect to the database using root privilege (when promoted to input password, simply press enter (by default the password is empty)) :

`sudo mysql -u root -p`

```
vocstartsoft:~/environment (master) $ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.33-0ubuntu0.18.04.1 (Ubuntu)

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owners.

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

mysql> █
```

4. Create a new USER “uts” with password ‘internet’ by:

CREATE USER 'uts'@'localhost' IDENTIFIED BY 'internet';

```
mysql> CREATE USER 'uts'@'localhost' IDENTIFIED BY 'internet';
Query OK, 0 rows affected (0.03 sec)
```

5. Grant privileges for this user by:

GRANT ALL PRIVILEGES ON \*.\* TO 'uts'@'localhost' WITH GRANT OPTION;

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'uts'@'localhost' WITH GRANT OPTION;
Query OK, 0 rows affected (0.00 sec)
```

6. You can exit the connection with Mysql by entering “exit”

```
mysql> mysql> exit
Bye
```

7. You can reconnect to the mysql server using the user “uts” by:

mysql -u uts -p

You will be prompted to enter the password. The password is internet. After entering internet, please press enter.

8. You are connected to the mysql server again!

```
vocstartsoft:~/environment (master) $ mysql -u uts -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 7
Server version: 5.7.33-0ubuntu0.18.04.1 (Ubuntu)

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

mysql> █
```

9. Upload the example.sql to Cloud9 and run:

source example.sql;

```
mysql> source example.sql;
Query OK, 1 row affected (0.00 sec)

Database changed
Query OK, 0 rows affected (0.04 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)

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)
```

10. The dataset and tables are created!!