<u>Installation du serveur MySQL-server sous linux ubuntu 16.04</u>

henri@ubuntu16:~$ **sudo -s**
[sudo] Mot de passe de henri :
root@ubuntu16:~# **apt install mysql-server**
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances
Lecture des informations d'état... Fait

Les NOUVEAUX paquets suivants seront installés :
libevent-core-2.0-5 mysql-client-5.7 mysql-client-core-5.7 mysql-server
mysql-server-5.7 mysql-server-core-5.7
0 mis à jour, 6 nouvellement installés, 4 à enlever et 93 non mis à jour.
Il est nécessaire de prendre 18,2 Mo dans les archives.
Après cette opération, 23,5 Mo d'espace disque supplémentaires seront utilisés.
Souhaitez-vous continuer ? [O/n] **o**
...... … …… …… ……
root@ubuntu16:~# **mysql -u root**
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
root@ubuntu16:~# **mysql -u root -p**
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 5.5.5-10.0.31-MariaDB-0ubuntu0.16.04.2 Ubuntu 16.04

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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 databases;**
+--------------------+
| Database |
+--------------------+
| information_schema |
| mysql |
| performance_schema|
| zabbix |
+-----------------------------+
4 rows in set (0,26 sec)

mysql> **create database employes;**
Query OK, 1 row affected (0,04 sec)

mysql> **use employes;**
Database changed
mysql> **grant all on *.* to henri@'%' identified by 'henri2007';**
Query OK, 0 rows affected (0,14 sec)

mysql> exit;
Bye

root@ubuntu16:~# **mysql -u henri -p**
Enter password:
ERROR 1045 (28000): Access denied for user 'henri'@'localhost' (using password: YES)
root@ubuntu16:~# **mysql -u root -p**
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.5.5-10.0.31-MariaDB-0ubuntu0.16.04.2 Ubuntu 16.04

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

mysql> **use employes;**
Database changed
mysql> **grant all on *.* to 'henri'@localhost identified by 'henri2017';**
Query OK, 0 rows affected (0,00 sec)

mysql> **grant all on *.* to 'henri'@'%' identified by 'henri2017';**
Query OK, 0 rows affected (0,01 sec)

mysql> exit
Bye
Connexion distante autorisée ? voir le fichier my.cnf ou mysql.conf et commenter la ligne … 127.0.0.1
root@ubuntu16:/etc/mysql/conf.d# gedit mysql.cnf

root@ubuntu16:/etc/mysql#

[1]+ Fini gedit my.cnf
root@ubuntu16:/etc/mysql#

Création des tables SITE et SALARIE

root@ubuntu16:/etc/mysql# mysql -u henri -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 5.5.5-10.0.31-MariaDB-0ubuntu0.16.04.2 Ubuntu 16.04

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

mysql> **use employes;**
Database changed
mysql> **create table site(siteCode char(2) not null primary key, siteVille varchar(15) not null);**
Query OK, 0 rows affected (0,57 sec)

mysql> **create table salarie(salNum char(3) not null primary key, salNom varchar(15) not null, salSite char(2) not null, salSalaire numeric(7,2));**
Query OK, 0 rows affected (0,23 sec)

Création de la contrainte de clé étrangère

mysql> **alter table salarie add constraint fk_salarie foreign key (salSite) references site(siteCode) on delete cascade;**

Query OK, 0 rows affected (0,78 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> **desc site;**

```
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| siteCode  | char(2)     | NO   | PRI | NULL    |       |
| siteVille | varchar(15) | NO   |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
```

2 rows in set (0,06 sec)

mysql> **desc salarie;**

```
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| salNum     | char(3)     | NO   | PRI | NULL    |       |
| salNom     | varchar(15) | NO   |     | NULL    |       |
| salSite    | char(2)     | NO   | MUL | NULL    |       |
| salSalaire | decimal(7,2)| YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
```

4 rows in set (0,03 sec)

Insertion des données dans les tables

mysql> **insert into site values('s1','Valenciennes');**

Query OK, 1 row affected (0,05 sec)

mysql> insert into site values('s3','Dunkerque');

Query OK, 1 row affected (0,04 sec)

mysql> insert into site values('s2','Lille');

Query OK, 1 row affected (0,01 sec)

mysql> **insert into salarie values('E05','Padre','s1',2109.18);**

Query OK, 1 row affected (0,05 sec)

mysql> insert into salarie values('E18','Lannoy','s2',1853.45);

Query OK, 1 row affected (0,03 sec)

mysql> insert into salarie values('E29','Melissa','s2',2215.87);

Query OK, 1 row affected (0,03 sec)

mysql> insert into salarie values('E43','Dupire','s3',2610.23);

Query OK, 1 row affected (0,07 sec)

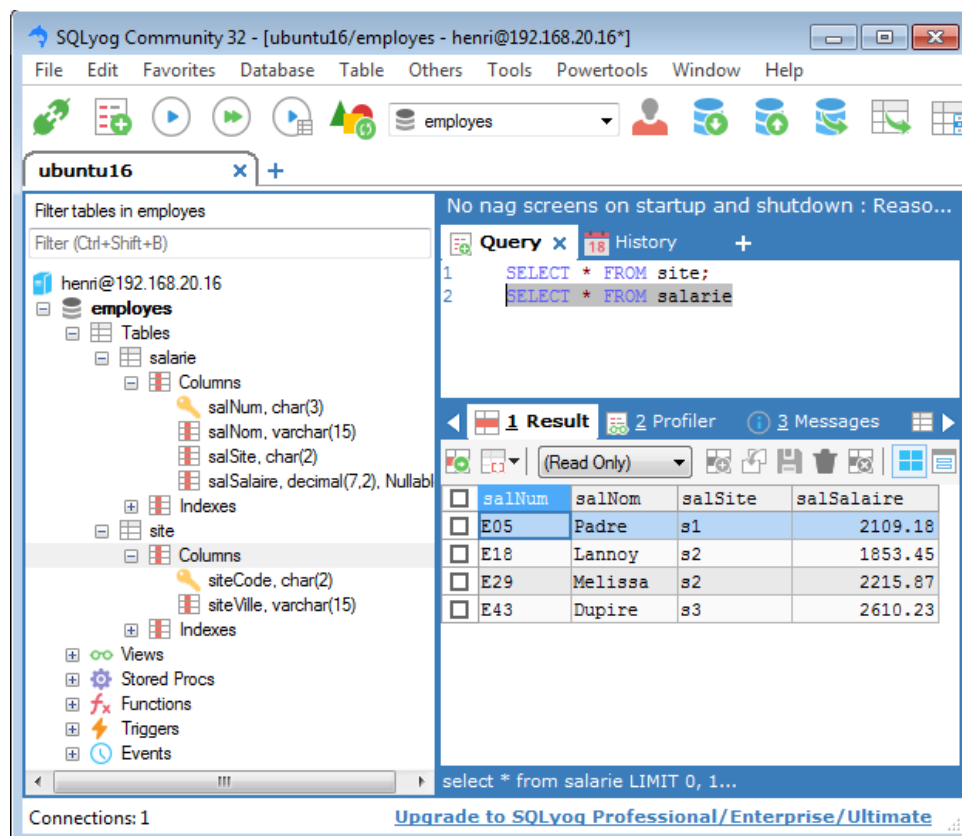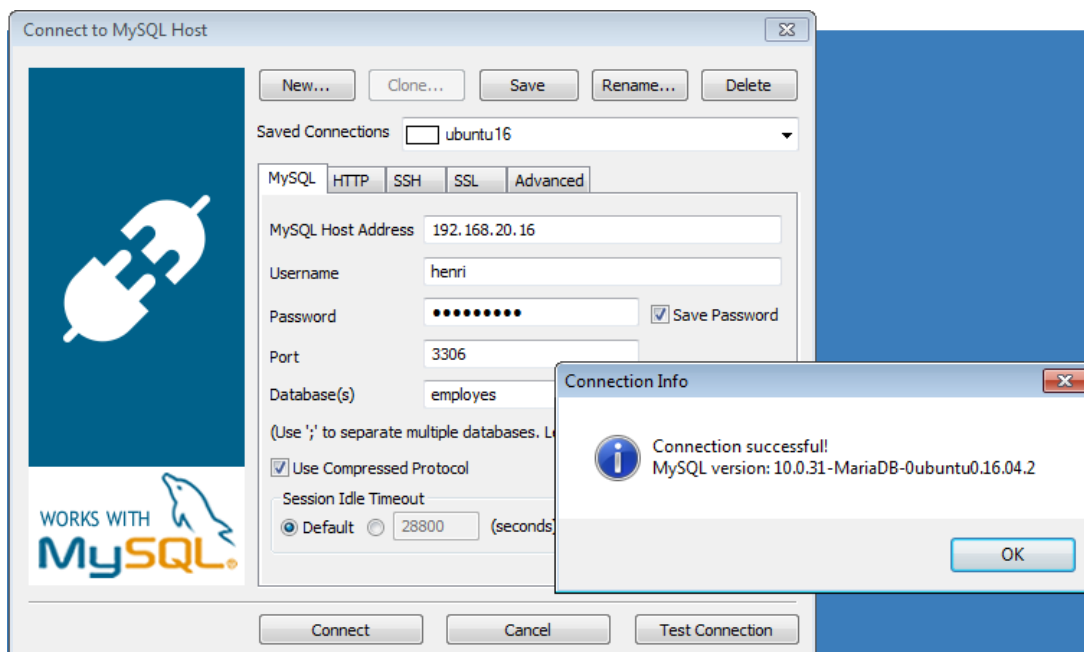**Affichage des données des tables**

mysql> **select * from site;**

```
+--------------+------------------+
| siteCode     | siteVille        |
+--------------+------------------+
| s1           | Valenciennes     |
| s2           | Lille            |
| s3           | Dunkerque        |
+--------------+------------------+
```
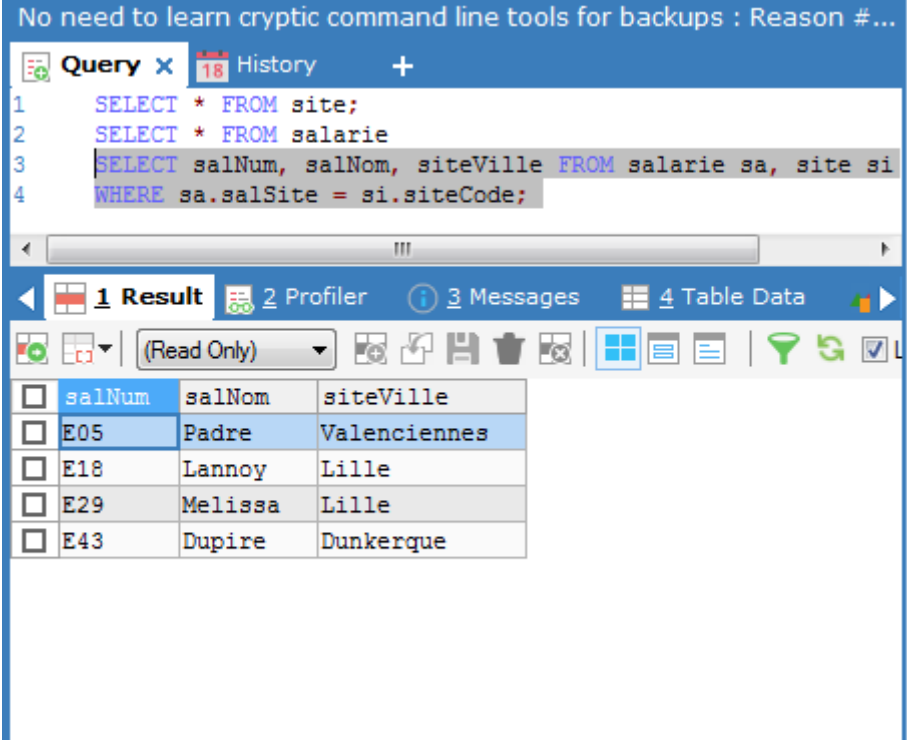
3 rows in set (0,02 sec)

mysql> **select * from salarie;**
+--------+---------+---------+------------+
| salNum | salNom | salSite | salSalaire |
+--------+---------+---------+------------+
| E05 | Padre | s1 | 21
09.18 |
E18	Lannoy	s2	1853.45
E29	Melissa	s2	2215.87
E43	Dupire	s3	2610.23
+--------+---------+---------+------------+
4 rows in set (0,00 sec)

Travail à distance avec le client graphique <mark>SQLYOG</mark>