Actividad 1 - Tema 6

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2-ASIR

Bueno, en esta actividad voy a simular la distribución de una conexión de base de datos con mi máquina principal windows y una máquina virtual Ubuntu.

En windows tengo el mysql workbench, por lo seguiremos estos pasos.

1-. En ubuntu instalamos mysql .

```
wuke123@DESKTOP-DC3KKHF: $ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  bridge-utils containerd libmariadb3 liburing2 mariadb-common ubuntu-fan
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  akonadi-backend-sqlite libaio1 libcgi-fast-perl libcgi-pm-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
  libfcgi0ldbl libhtml-template-perl libmecab2 mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libipc-sharedcache-perl mailx tinyca
The following packages will be REMOVED:
  akonadi-backend-mysql mariadb-client-core-10.6 mariadb-server-core-10.6
The following NEW packages will be installed:
  akonadi-backend-sqlite libaio1 libcgi-fast-perl libcgi-pm-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl
```

```
wuke123@DESKTOP-DC3KKHF:~$ sudo netstat -tulnp | grep mysql
tcp6       0      0 :::33060                :::*                    LISTEN      1123/mysqld
tcp6       0      0 :::3306                 :::*                    LISTEN      1123/mysqld
```

2-. Entramos a mysql

```
wuke123@DESKTOP-DC3KKHF:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.41-0ubuntu0.22.04.1 (Ubuntu)

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owners.

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

3-.Configurar MySQL y crear el usuario

```
mysql> -- Crear usuario con privilegios
mysql> CREATE USER 'tuusuario'@'%' IDENTIFIED BY 'tucontraseña';
ANT ALL PRIVILEGES ON *.* TO 'tuusuario'@'%';
FLUSH PRIVILEGES;Query OK, 0 rows affected (0.02 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'tuusuario'@'%';
Query OK, 0 rows affected (0.00 sec)
```

4-.Modificar la configuración de MySQL

```
wuke123@DESKTOP-DC3KKHF:~$ sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf
 Cambiar bind-address de 127.0.0.1 a 0.0.0.0
# Busca la línea bind-address y modifícala
# Cambiar bind-address de 127.0.0.1 a 0.0.0.0
```

```
#
# Instead of skip-networking the default is now to listen
# localhost which is more compatible and is not less secu
bind-address            = 0.0.0.0
mysqlx-bind-address     = 127.0.0.1
#
```

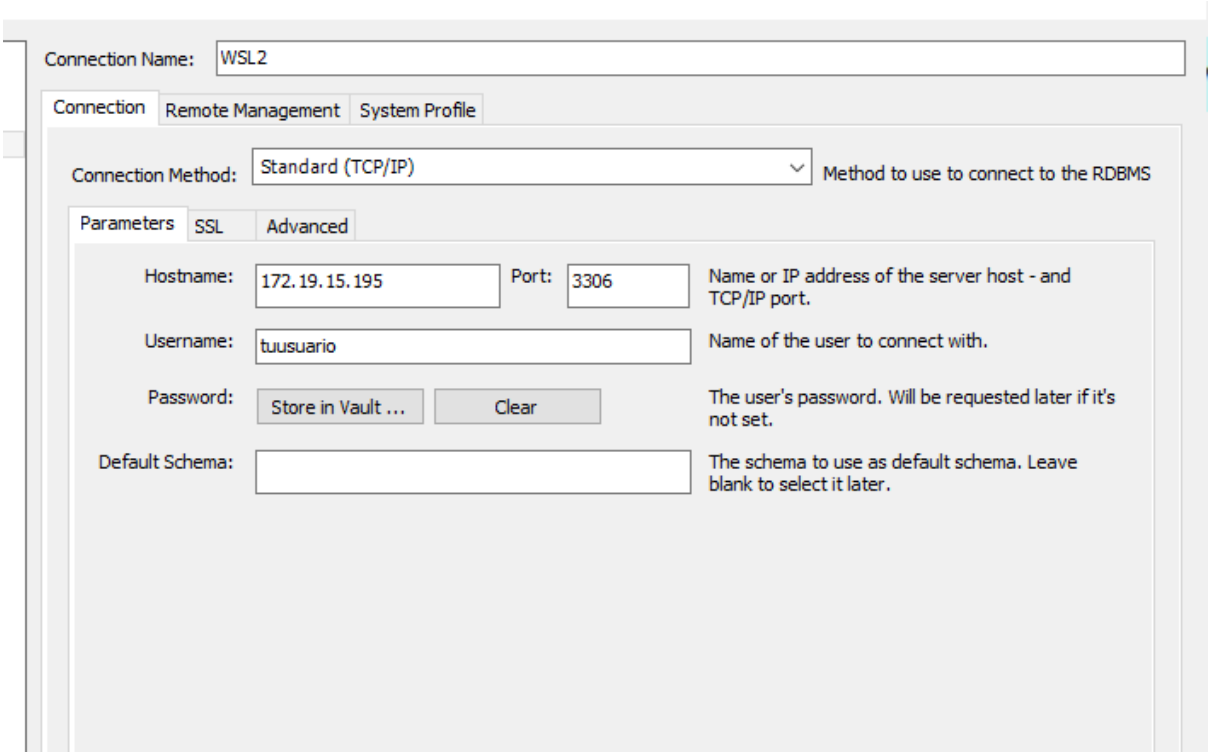
5-. Obtenemos la ip de la máquina Ubuntu.

```
wuke123@DESKTOP-DC3KKHF:~$ ip addr show eth0
4: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:15:5d:75:48:cb brd ff:ff:ff:ff:ff:ff
    inet 172.19.15.195/20 brd 172.19.15.255 scope global eth0
       valid_lft forever preferred_lft forever
    inet6 fe80::215:5dff:fe75:48cb/64 scope link
       valid_lft forever preferred_lft forever
```

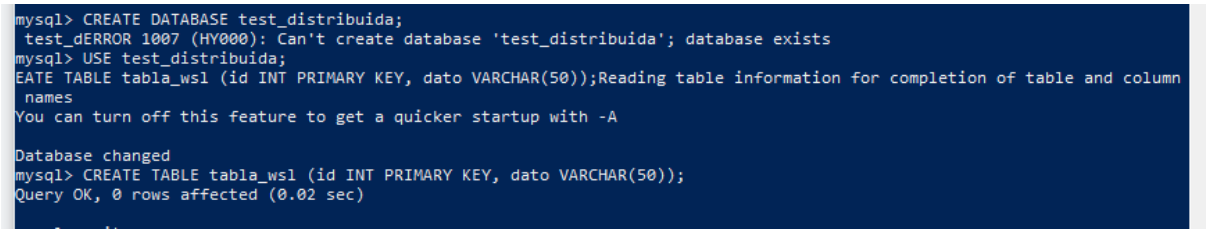
6-. Configurar la conexión distribuida:

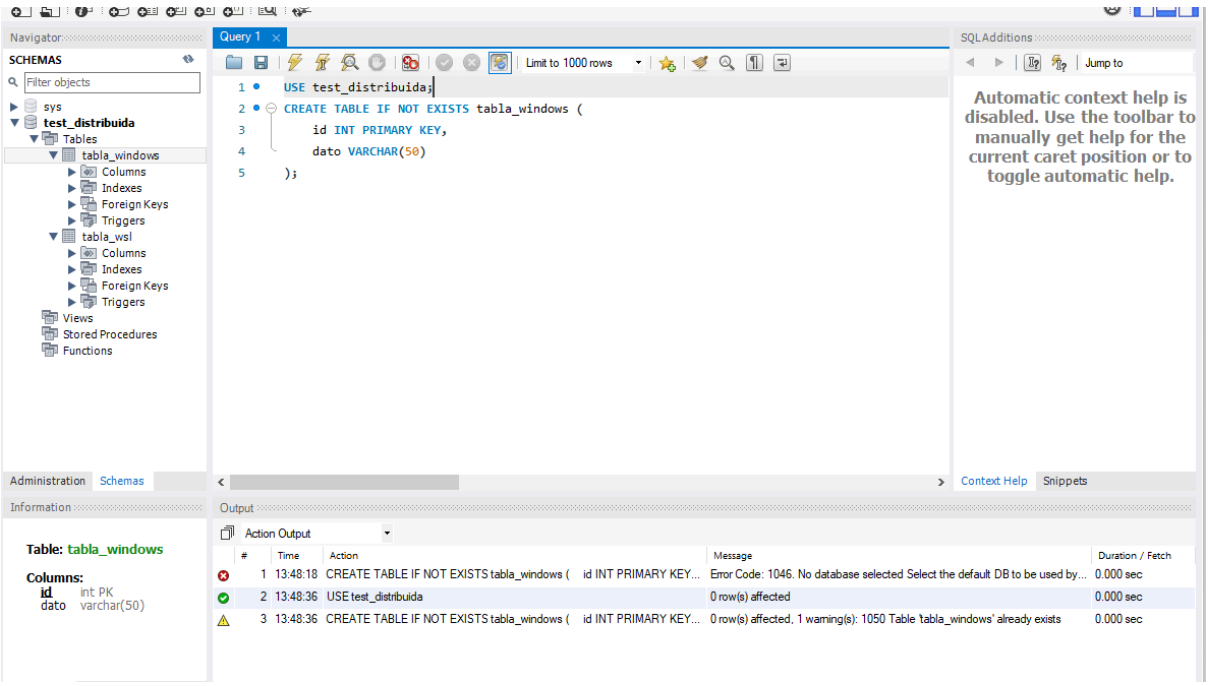
En MySQL Workbench de Windows:

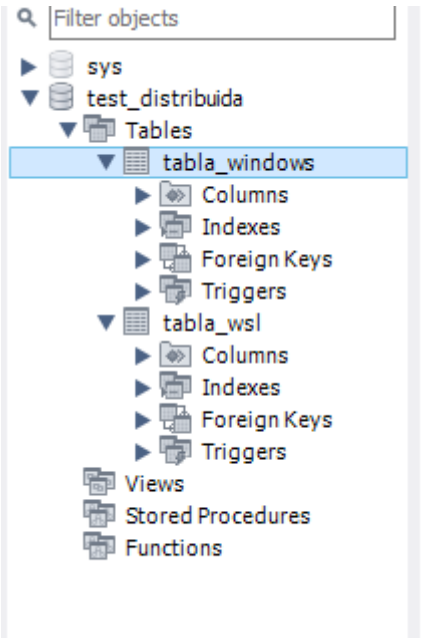
- File -> New Connection
- Hostname: [IP de WSL2]
- Port: 3306
- Username: tuusuario
- Password: tucontraseña



7-. Comprobamos que funcione







Ya puedo trabajar con la misma conexión tanto desde ubuntu y tener los cambios en windows.