

Mysql sur le cloud ECAM - accès distant

Voici les étapes qui vous permettront d'accéder à votre base de données Mysql à distance :

Ajouter un utilisateur distant dans Mysql

L'utilisateur root n'a pas d'accès distant par défaut.

Il faut donc :

Etape 1 : se connecter à Mysql en LCI

```
mysql -uroot -p
```

Etape 2 : créer un nouvel utilisateur Mysql qui a cet accès distant

```
CREATE USER 'newuser'@'%' IDENTIFIED BY 'pa$$word';  
GRANT ALL ON *.* TO 'newuser'@'%';  
FLUSH PRIVILEGES;
```

Configurer Mysql

```
sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf
```

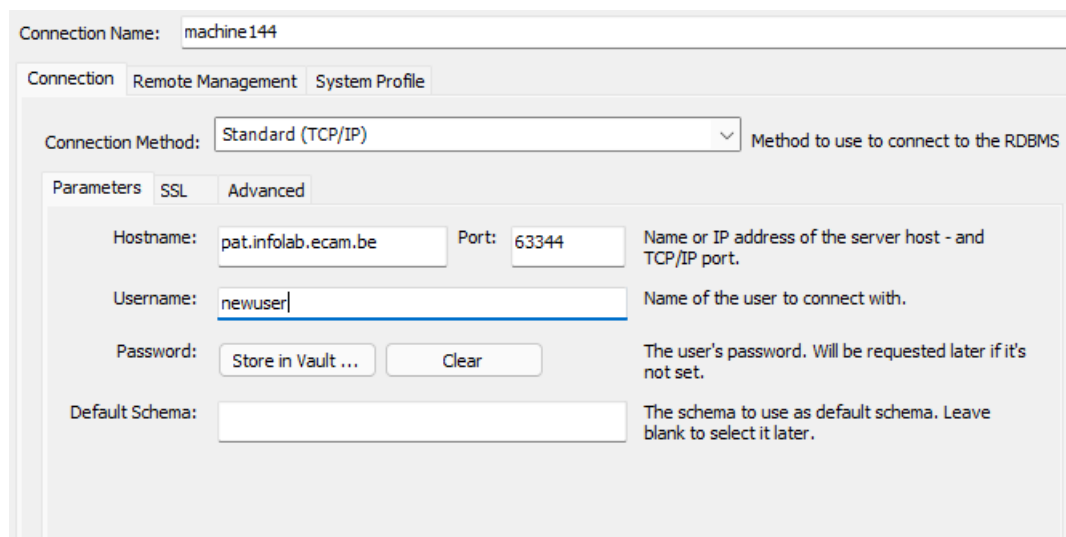
```
# localhost which is more compatible  
bind-address            = *  
mysqlx-bind-address     = *
```

```
systemctl restart mysql
```

Tester l'accès à partir de Mysql Workbench

En IPV4 (seul disponible à l'ECAM)

PORT 633XX -> 2 derniers chiffres du numéro de votre VM



The screenshot shows the MySQL Workbench 'Connection Configuration' dialog box. The 'Connection Name' is 'machine144'. The 'Connection Method' is set to 'Standard (TCP/IP)'. The 'Parameters' tab is active, showing the following fields: 'Hostname' is 'pat.infolab.ecam.be', 'Port' is '63344', 'Username' is 'newuser', and 'Password' is masked with a vault icon and a 'Clear' button. The 'Default Schema' field is empty. Descriptive text for each field is provided on the right side of the dialog.

Field	Value	Description
Connection Name	machine144	
Connection Method	Standard (TCP/IP)	Method to use to connect to the RDBMS
Hostname	pat.infolab.ecam.be	Name or IP address of the server host - and TCP/IP port.
Port	63344	
Username	newuser	Name of the user to connect with.
Password	[Masked]	The user's password. Will be requested later if it's not set.
Default Schema		The schema to use as default schema. Leave blank to select it later.

En IPV6 (ne fonctionne pas avec le provider Scarlet)

Connection Name:

Connection Remote Management System Profile

Connection Method: Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: Port: Name or IP address of the server host - and TCP/IP port.

Username: Name of the user to connect with.

Password: The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

Accès à partir de C#

Dans Visual Studio / Projet / Nuget / installer Mysql Data

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using MySql.Data.MySqlClient;

namespace BoVloApp
{
    public class Mysqlconn
    {
        static public MySqlConnection connect()
        {
            MySqlConnection connection;
            string connetionString = "server = pat.infolab.ecam.be;port = 633XX; database = nicebike; uid = root; pwd = root;";
            connection = new MySqlConnection(connetionString);
            try
            {
                connection.Open();
            }
            catch (Exception ex)
            {
            }
        }
        static public void disconnect(MySqlConnection connection)
        {
            connection.Close();
        }
    }
}
```