

Created	@March 9, 2022 10:35 AM
≔ Tags	
 □ Date	@February 1, 2022
✓ Done	✓

sudo mount / -o rw,remount #Accès RW

configuration adresse ip statique : dans /etc/dhcpcd.conf

```
interface eth0
static ip_address = 192.167.137.20/24
static routers=192.168.137.1
static domain_name_servers = 8.8.8.8 8.8.4.4
```

sudo install mariadb-server

configuration /etc/mysql/my.cnf (configuration de communication distance)

```
[client-server]
port = 3306
bind-address = 192.168.137.20
```

→ SUR UNIPI (serveur): sudo mysql CREATE USER 'Test'@'%' identified by 'test'; exit; sudo mysql -u Test -p → COMMUNICATION côté Client (windows) cd C:\xampp2\mysql\bin mysql -u Test -p -h 192.168.137.20 mdp: test

```
C:\xampp2\mysql\bin>mysql -u Test -p -h 192.168.137.20

Enter password: ****
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 39
Server version: 10.3.31-MariaDB-0+deb10u1 Debian 10

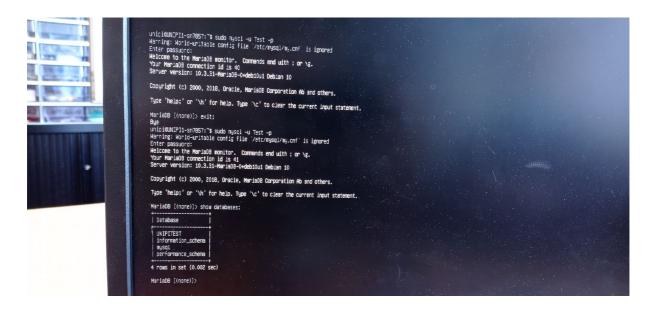
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> Create database UNIPITEST;
Query OK, 1 row affected (0.005 sec)

MariaDB [(none)]> use UNIPITEST;
Database changed
MariaDB [UNIPITEST]>
```

→ SUR UNIPI (serveur):



systemctl enable sscp-sql-bridge systemctl start sscp-sql-bridge cd /opt/unipi/tools ./sscp-sql-bridge

```
GNU nano 3.2
 Project:Name;Tupe:Commuid:Offset;Length;FarentTyoeFamily;HistoryId
unipiMars;$main$.Scount$:$real$;9358;0;4;none;
unipiMars;$main$.Stmoarg_OS;$oool$:2:0;1;none;
     unipiMars;$hw$.$unipi1_relays_relay8s;$bcol$;3;0;1;none;
     unipiMars;$mu$.$unipi1_relays_relay5;$tool$:4;0;1;none;
unipiMars;$mu$.$unipi1_relays_relay5s;$tool$:4;0;1;none;
unipiMars;$mu$.$unipi1_relays_relay5s;$tool$:6;0;1;none;
unipiMars;$mu$.$unipi1_relays_relay4s;$tool$:7;0;1;none;
unipiMars;$mu$.$unipi1_relays_relay3s;$tool$:8;0;1;none;
unipiMars;$mu$.$unipi1_relays_relay3s;$tool$:8;0;1;none;
          unipiMars;%hw$.$unipi1_relays_relay2s;$bool$;9361;0;1;none;
unipiMars;%hw$.$motor$;$bool$;9560;0;1;none;
          unipiMars;$hw$.$mu$r5;$bool$;5560:01;none;
unipiMars;$hw$.$unipi1_relays_write_gpio_commblock$;$bool$;11;0:1;none;
unipiMars;$hw$.$unipi1_relays_write_gpio_commerror$;$bool$;12;0;8;none;
unipiMars;$hw$.$unipi1_relays_write_gpio_commerror$;$bool$;13;0:1;none;
unipiMars;$hw$.$uniai_si2$;$real$;14;0;4;none;
unipiMars;$hw$.$uniai_read_2_commblock$;$bool$;15;0:1;none;
unipiMars;$hw$.$uniai_read_2_timestamp$;$di$;16;0;8;none;
unipiMars;$hw$.$uniai_read_2_commerror$;$bool$;17;0;1;none;
unipiMars;$hw$.$uniai_read_2_commerror$;$bool$;17;0;1;none;
unipiMars;$hw$.$uniai_read_2_commercor$;$bool$;17;0;1;none;
unipiMars;$hw$.$uniai_read_2_commercor$;$bool$;17;0;1;none;
              unipiMars; $hw$. $uniai_read_2_commerror$; $bools; 17;0:1:none;
unipiMars; $hw$. $uniai_read_1_commblock$; $bools; 19;0:1:none;
unipiMars; $hw$. $uniai_read_1_commblock$; $bools; 19;0:1:none;
unipiMars; $hw$. $uniai_read_1_commerror$; $bools; 21;0:1:none;
unipiMars; $hw$. $uniai_read_1_commerror$; $bools; 21;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $forward$. $ers; $bool$; 7844;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $forward$. $ers; $bool$; 7865;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $forward$. $ers; $bool$; 7865;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $forward$. $ins; $reel$; 7846;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $reverse$. $ens; $bool$; 7867;0:1:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $reverse$. $ens; $bool$; 7869;0:4:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints3. $reverse$. $ins; $reel$; 7849;0:4:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints4. $reverse$. $ins; $reel$; 7869;0;4:none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints5. $mains. $eno$; $bool$; 7850;0;1;none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints5. $mains. $eno$; $bool$; 7850;0;1;none;
Lib.Core; $lib$. $core$. $v1_0S. $linearbyt wopoints5. $mains. $eno$; $bool$; 7850;0;1;none;
PLC; $hw_hidder$. $l2c. unial. ail1; $dint3; 9553;0;4;none;
PLC; $hw_hidder$. $l2c. unial. ail2; $dint3; 9353;0;4;none;
PLC; $hw_hidder$. $l2c. unial. ail. transformations. $eno$; $bool$; 9355;8;1;6;
PLC; $hw_hidder$. $l2c. unial. ail. transformations. $eno$; $bool$; 9355;8;1;6;
PLC; $hw_hidder$. $l2c. unial. ail. transformations. $v2$; $real$; 9356;2;4;6;
PLC; $hw_hidder$. $l2c. unial. ail. transformations. $v2$; $real$; 9356;2;4;6;
PLC; $hw_hidder$. $l2c. unial. ail. transformations. $v3;8; $real$; 9356;2;4;6;
PLC; $hw_hidder$. $l2c. unial. ail2, transformations. $v3;8; $real$; 9356;2;4;6;
PLC; $hw_hidder$. $l2c. unial. ail2, transformations. $v3;8; $real$;9357;12;4;6;
PLC; $h
                                                                                                                                                                                                                                                                                                                                                                                  Cut Text Justify
U Uncut Text To Soell
                                                                                                                                                             O Write Out
                                                                                                                                                                                                                                                                        N Where Is
```

```
GNU nano 3.2
   plc_1: # More than 1 FLCs can be defined
sscp_io: 127.0.0.1 # When bot
sscp_io: 192.168.137.20 # Machine
                  1: # More than 1 FLCs can be defined
sscp_io: 127.0.0.1  # When both sscp_sol_bridge and merviset run on the same machine
sscp_io: 192.168.137.20  # Machine with merviset running
sscp_port: 12346  # TCP port which mervise listen on (local or remote)
sscp_basename: admin  # sscp credentials can be changed through Mervis IDE
sscp_password: rw  # sscp credentials can be changed through Mervis IDE
scp_password: rw  # Database server credentials
cb_pass: unipiuser  # Database server credentials
cb_pass: unipiuser  # Database server predentials
cb_pis: 132.168.137.20  # Database server predentials
cb_port: 3306  # Database server predentials
cb_mysol_schema: UNIPITEST  # Schema name  vilst_filename: /opt/unipi/data/Unipi.vlist # Variable list file generated by Mervis IDE
                                         # Insert value(s) into table once per every reading_period
vars:

# List of vars inserted
field_name: pot_value
# Column name in table table_name
field_name: motor_state
set_name: select_tevample
table_name: select_table
type: select
reading_period: 100
# Given in 100ms steps
# Column name in table table_name
field_name: motor_state
set_name: select_table
type: select
reading_period: 100
# Given in 100ms steps
# Column name in table table_name
field_name: select_table
type: select
reading_period: 100
# Given in 100ms steps
# Column name in table table_name
field_name: select_table
type: select
reading_period: 100
# Given in 100ms steps
# Column name in table table_name
field_name: select_table
type: select
reading_period: 100
# Given in 100ms steps
# Column name in table table_name
                            ##***Placeholder values below, REPLACE them according to your Mervis project and DB structure****
# Three types of operation are supported – insert, select, update
                                variable_sets:
                                     set_name: insert_example
table_name: insert_table
type: insert
reading_period: 50
                                                                                                                                 # Copy values from DB to mervis project every reading_period
# Given in 100ms steps
# Optional filter, NHERE clause is appended to the SELECT command
                                                               Var_name: pot # Var name in Mervis project
field_name: pot_value # Column name in table with table_name
field_name: motor_state
_name: update_example
lis_name: vupdate_table
be: update
addre_example
lis_name: vupdate_table
be: update
addre_example
lis_name: vupdate_table
be: update
addre_example
lis_name: vupdate_table
be: update
                                                                                                                                    # Periodically update of single row within table_name
# Given in 100ms steps
# Optional filter, WHERE clause is appended to the SELECT comma
                                                                        update
ng_period: 10
                                                                    var name: oot # Yar name in Mervie project
| # Yar name in table with table_name
| var_name: motor_state
                                            #SEERTE TABLE Insert_table ( id swallint unsigned not null auto_increment orimary key, pot_value double
#SEERTE TABLE update_table ( id swallint unsigned not null auto_increment p, light_state int nat null, #
#SEERTE TABLE select_table ( id swallint unsigned not null auto_increment, light_or int not null, heatin
                                                                                             Read File Replace
                                                                                                                                                                                              Cut Text Justify Uncut Text To Social
                                                                                                                                                                                                                                                                                                   Cur Pos
Go To Line 1-E Redo
                                DO S PAGE GRAG
```

```
_i: # More than 1 FLCs can be defined
ssop_io: 127.0.0.1  # When both sscp-sol-bridge and nervisrt run on the same machine
ssop_io: 192.168.137.20  # Machine with nervisrt running
ssop_pont: 12346  # TCP port which mervisr trunning
ssop_username: admin  # ssop credentials can be changed through Mervis IDE
ssop_password: ru  # ssop credentials can be changed through Mervis IDE
db_user: Unipiliser  # Database server credentials
db_user: Unipiliser  # Database server credentials
db_up: 192.168.137.20  # Database server IP
db_uport: 3306  # Database server IP
db_uport: 3306  # Database server IP
# Database INIPITEST # Schema INIPITEST # S
     plc_1: # More than 1 PLCs can be defined
                                                     ####Placeholder values below, REPLACE them according to your Mervis project and DB structure###
# Three types of operation are supported – insert, Select, update
                                                        variable_sets:
- set_name: insert_example
table_name: insert_table
type: insert
reading_period: 50
vars:
                                                                                     Die_name: insert_table
pe: insert
                                                                                                                # Periodically undate of single row within table_name
# Given in 100ms steps
# Optional filter, MHERE clause is appended to the SELECT comman
                                                                                                                         EATE TAGLE insert_table ( is smallint unsigned not null auto_increment orimany key, cot_value double
EATE TAGLE update_table ( is smallint unsigned not null auto_increment o, light_state int not null;
EATE TAGLE select_table ( is smallint unsigned not null auto_increment, light_attate int not null, heating
                                                                                                                                                                    Marite Out Mare Is Cut Text Justify Read File Replace Uncut Text To Soell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cur Pos
Go To Line La Redo
                                            OOO O VISI SEVE
```



Aun niveau du client :

	+	<pre>> select * from insert_table; </pre>
id	pot_value	motor_state
1	1.391304	0
2	1.391304	e i
3	1.391304	e i
4	1.391304	9 i
5	1.391304	9 j
6	1.391304	i 0 i
7	1.391304	i 0 i
8	1.391304	i 0 i
9	1.391304	0
10	4101.652344	1
11	1457.391357	0
12	1790.087036	0
13	1997.652222	0
14	2053.478271	1
15	2051.826172	0
16	1990.782593	0
17	2048.956543	1
18	1.391304	0
19	1.391304	0
20	1.391304	0
21	1.391304	0
22	1.391304	0
23	1.391304	0
24	2631.826172	1
25	5969.913086	1
26	1372.782593	0
27	1.391304	0
28	1.304348	0
29	1.391304	0
30	1.391304	0
31	1.391304	0
32	1.391304	0
33	1.391304	0
34	3292.608643	1

 $\frac{https://s3-us-west-2.amazonaws.com/secure.notion-static.com/f7b43606-e48}{5-439d-a7b4-271b6d81af2f/video-1646836054.mp4}$