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# SIC PHP

```
apt-get install php odbc-mdbtools php-odbc php-mbstring
```

## Play

Install mdbtools on local machine

```
sudo apt-get install mdbtools
```

Start mdb-sql:

```
mdb-sql SicDB.mdb
```

## List tables

```
list tables  
go
```

## Describe tables

```
describe table SIC0001F  
go
```

## SIC Tables

```
+-----+  
|Tables          |  
+-----+  
|SIC0001F       | Personas físicas  
|SIC0001J       | Personas jurídicas  
|SIC0001A       | Last modification  
+-----+
```

## Query an ID (cédula)

```
select CEDULA,NOMBRE,APELLIDOS from SIC0001F where CEDULA like '%112540139%'  
go
```

## Query example with PHP

On server:

```
<?php
$query = 'select CEDULA,NOMBRE,APELLIDOS from SIC0001F where CEDULA like
\'%112540139%\'';
$mdb_file = 'SicDB.mdb';
$driver = 'MDBTools';
$dataSourceName = "odbc:Driver=$driver;DBQ=$mdb_file";
$connection = new \PDO($dataSourceName);
$result = $connection->query($query)->fetchAll(\PDO::FETCH_ASSOC);
print_r($result);
?>
```

## Export to MariaDB

### Tables

```
mdb-export SicDB.mdb SIC0001F > SIC0001F.csv
mdb-export SicDB.mdb SIC0001J > SIC0001J.csv
mdb-export SicDB.mdb SIC0001A > SIC0001A.csv
```

### Schema

```
mdb-schema SicDB.mdb | sed "s/^-/#/;s/[\\]/g;s/[\\]/g" > sicdb.sql
```

## Install MariaDB

```
sudo apt-get install mariadb-server mariadb-client php-mysql
```

## Import to MariaDB

```
MariaDB [(none)]> create database sicdb;
```

```
cat sicdb.sql | mysql -u root sicdb
```

```
mysqlimport --ignore-lines=1 --fields-terminated-by=, --fields-enclosed-
by=\" -u root --local -p sicdb SIC0001J.csv
mysqlimport --ignore-lines=1 --fields-terminated-by=, --fields-enclosed-
by=\" -u root --local -p sicdb SIC0001F.csv
```

## PHP

```
<?php
```

```
$query = 'select CEDULA,NOMBRE,APELLIDOS from SIC0001F where CEDULA like
\'%112540139%\'';
$connection = new PDO('mysql:host=localhost;dbname=sicdb', 'sicdb',
'sicdb');
$result = $connection->query($query)->fetchAll(\PDO::FETCH_ASSOC);
print_r($result);
?>
```

## Troubleshooting

To fix this error:

```
Can't open cursor lib '/etc/libodbc.so' : file not found
```

```
cd /usr/lib/x86_64-linux-gnu ln -s libodbc.so.2 libodbc.so </code>
```

## References

- [https://bugzilla.redhat.com/show\\_bug.cgi?id=719595](https://bugzilla.redhat.com/show_bug.cgi?id=719595)
- <https://www.systutorials.com/docs/linux/man/1-mdb-sql/>
- <https://stackoverflow.com/questions/15896046/where-clause-not-working-in-sql-query-using-md-btools>
- <https://stackoverflow.com/questions/6072883/connect-to-ms-access-remote-mdb-file-from-php-on-linux>
- <http://notes.tomcarlson.com/mdb-to-mysql>
- [http://wiki.hashphp.org/PDO\\_Tutorial\\_for\\_MySQL\\_Developers](http://wiki.hashphp.org/PDO_Tutorial_for_MySQL_Developers)
- <https://stackoverflow.com/questions/25231153/show-load-time-on-page>

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Last update: **2019/04/23 14:14**

