

# Installation

## System requirements:

- IBMi v7R2 (worked for us on POWER7 and POWER8).
- 1GB disk space.
- No other instance of mysql or mariadb should be installed on the server.
- PASE (Option 33).
- OpenSSH is recommended for advanced management (although you should be able to use QSH for non-interactive commands).

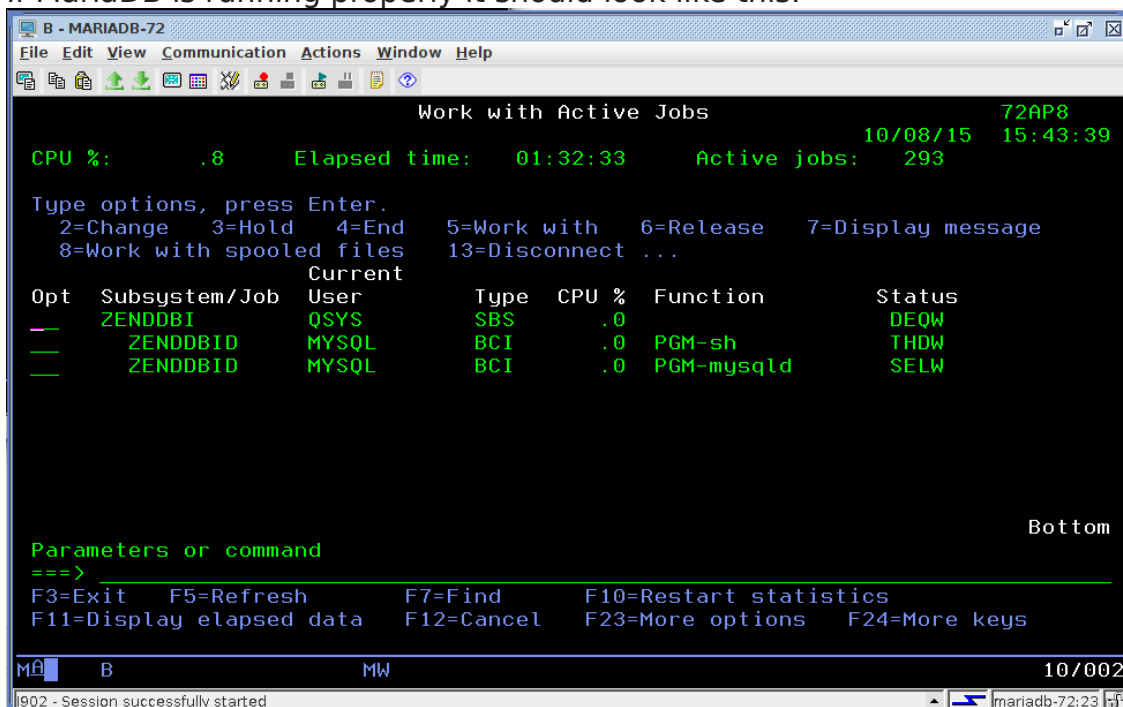
## Installation instructions:

1. Unzip zmysql.zip file on your computer.
2. Create save file in IBMi using following command CRTSAVF qgpl/zmysql
3. ftp zmysql zmysql (Upload the unzipped ZMYSQL to the QGPL library on your IBMi server)
4. DLTLIB ZMYSQL
5. RMVLNK '/etc/my.cnf'
6. RSTLIB SAVLIB(ZMYSQL) DEV(\*SAVF) SAVF(QGPL/ZMYSQL)
7. CHGCURLIB ZMYSQL
8. CALL ZCMYSQLCHK
9. Press F3 when installation completed.

## To check daemon status:

1. GO ZCMYSQL
2. Select option 2 from the menu

If MariaDB is running properly it should look like this:



The screenshot shows a terminal window titled "B - MARIADB-72". The window displays the status of the MariaDB daemon. At the top, it says "Work with Active Jobs" and "72AP8". Below this, it shows "CPU %: .8", "Elapsed time: 01:32:33", and "Active jobs: 293". The date and time are "10/08/15 15:43:39". The terminal then prompts "Type options, press Enter." and lists several options: "2=Change", "3=Hold", "4=End", "5=Work with", "6=Release", "7=Display message", "8=Work with spooled files", and "13=Disconnect ...". Below this, it shows a table of active jobs:

Opt	Subsystem/Job	User	Type	CPU %	Function	Status
—	ZENDDBI	QSYS	SBS	.0		DEQW
—	ZENDDBI	MYSQL	BCI	.0	PGM-sh	THDW
—	ZENDDBI	MYSQL	BCI	.0	PGM-mysqld	SELW

At the bottom of the terminal, it says "Parameters or command" and "===>". It also lists several function keys: "F3=Exit", "F5=Refresh", "F7=Find", "F10=Restart statistics", "F11=Display elapsed data", "F12=Cancel", "F23=More options", and "F24=More keys". The bottom of the window shows "MARIADB-72" and "10/002".

## Day to Day Management

You can install phpmyadmin to manage the server if you wish or manage it from command line:

1. ssh to your server (we tested as QSECOFR).
2. I recommend adding the directory `/usr/local/mariadb/bin` to your path.
3. `/usr/local/mariadb/bin/mysql` (by default 'root' has no password from localhost) .

the Mariadb daemon listens on port 3306 by default and is open to outside computers. Access from outside is only allowed for users with passwords. (GRANT will fail to create users with no password).