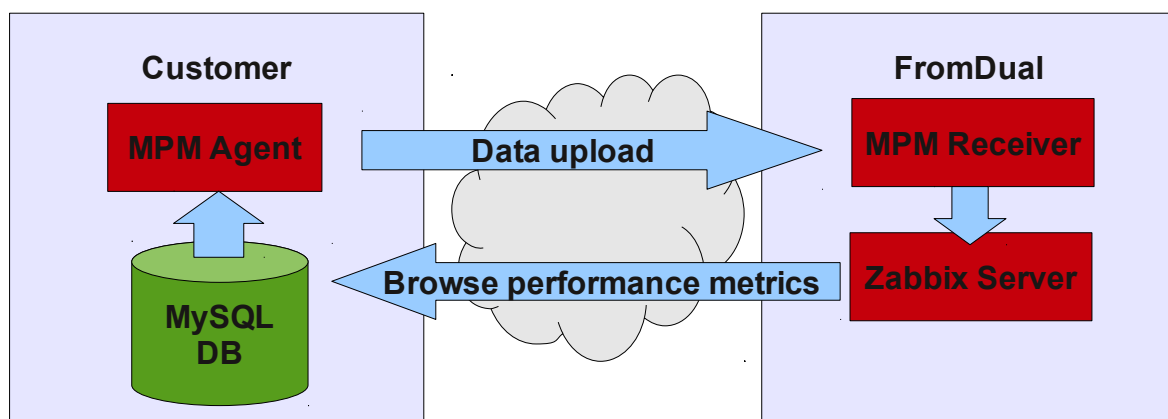# MySQL Performance Monitor MaaS installation Guide

MySQL Performance Monitor (MPM) you can run in 2 different modes:

1. Locally in your company on your companies servers.
2. As Monitoring as a Service (MaaS). This is what we will cover in this installation guide.

Monitoring as a Service (MaaS)

In this installation guide we only cover the 2nd mode: Installing the MPM as a monitoring service agent. For this you have to install the MPM agent on your MySQL database server. He will collect statistical data about your server and your database and sends them to the remote service which is provided by FromDual for its customers.

The data are uploaded via a http file upload request. So only one way communication is possible! We cannot access back to your system!
On the Monitoring Server only you (and our engineers) can see your performance data.

How to install MPM for MaaS

You can download the MPM Agent from here: http://www.fromdual.com/download

Unpack it to a location on your database server, for example to /opt ideally as the user your MySQL database is running (typically mysql). Any other user is possible as well but you will not have all features available. You can also choose root but for security reasons, this is not recommended.
Further we recommend to create a link to the newly created directory for a more easy upgrade in the future:

```
su – mysql
cd /tmp
```

```
wget http://www.shinguz.ch/download/mysql_performance_monitor-
latest.tar.gz
tar xf mysql_performance_monitor-latest.tar.gz
cd /opt/
tar xf /tmp/mysql_performance_monitor_agent-0.8.tar.gz
ln -s  mysql_performance_monitor_agent-0.8 mysql_performance_monitor
```

How to configure

Copy the configuration template outside of the mysql_performance_monitor directory structure (to not loose or forget it during a future upgrade). For example like this:

```
cp mysql_performance_monitor/etc/FromDualMySQLagent.conf.template \
/etc/mpm.conf
```

To make the MPM Agent work in a MaaS set-up you need a token from us so we can identify you non-ambig-uous and we can make sure nobody is doing nasty things with your service. To allocate you the correct re-sources we further need to know from you:

- The company name you want to run under (for example FromDual)
- A/the server name the agent is running on (for example master)
- Names which identifies your database (for example db1_prod)

All those 3 identifiers must uniquely identify you database you want to monitor. When we have these informa-tion we can create the service for you and provide you a configuration file. (Possibly we will automatize these information in the future...)

The configuration file will look as follows:

```
[default]

Debug         = 2
LogFile       = /tmp/FromDualMySQLagent.log
CacheFileBase = /tmp/FromDualAgentCache

Modules       = process mysql myisam innodb

MaaS          = on
Hash          = 17f670f57ea93265470ae68628360a6e
Methode       = http
Url           = http://support.fromdual.com/maas/receiver.php
```

```
    [FromDual.master]

    Modules         = mpm


    [FromDual.master.db1_prod]

    Username        = root
    Password        = secret
    MysqlHost       = 127.0.0.1
    MysqlPort       = 3306
    PidFile         = /var/lib/mysql/master.pid
```

We need one section for the server (host) and one section per database (typically only one per server).

Testing the MPM for Maas

If you have put this in place we can run the MPM agent for a first test:

```
    /opt/mysql_performance_monitor/FromDualMySQLagent.pl /etc/mpm.conf
    1
```

If the agent returns "*1*" then it seems to work correctly... Have a look at the agent log (/tmp/FromDualMySQL-agent.log) for hidden problems. If you do not see there any message it should have worked correctly.
Then you should see the first data arriving in the Zabbix Monitor.

Viewing Performance data

To look at your performance data go to the following web-site: www.fromdual.com/mpm and log in with the credentials we provide you.

Then go to to *Monitoring* → *Latest data* and choose the right *Group* and *Host* (it may take some time until Zabbix recognizes a new agent (up to a minute) and displays its data correctly).

If they have arrived you can continue sending your data to the MPM Service. If not please get in contact with us for finding the problem.

Continuously sending data

If everything works correctly you can include the agent into the crontab (of the mysql user):

```
* * * * *  /opt/mysql_performance_monitor/FromDualMySQLagent.pl \
/etc/mpm.conf 1>/dev/null 2>&1
```