

# Adding or Editing Monitors

To add a new Monitor do the following:

- Click the **Add new Monitor** link from the drop-down in Monitors page.
- Choose the type of counter - MySQL, System, or Custom SQL.
- Type in the name of the group to which this monitor is being added.
- Enter the name of the counter being added.

For editing a monitor, click **Edit Monitor** icon beside the monitor in Monitors page.

## Formula:

A MySQL server parameter that is needed to compute the value of this counter.

**Value:** Defines a function that computes the value.

Example:

```
function( )
{
    if(MONyog.MySQL.Custom.Available != 1)
        return "(n/a)";

    return MONyog.MYSQL.GlobalVariables.max_allowed_packet;
}
```



For a detailed description of values, see [Monyog Object Model](#) for more information.

**DocText:** Description of Monitor.

**Advise Text:** Advise text to the Monitor being added.

ADD NEW MONITOR
Close
Save

General
Advanced
Alerts

Name\*
Number of threads that can be cached

Monitor Group\*
Threads New

Type of counter
MySQL
System
Custom SQL
Select "MySQL" or "System" based on whether this Monitor or Dashboard chart displays MySQL or system-related information. Select "Custom SQL" if this Monitor is based on a Custom SQL Object. Refer [help](#) for more details.

Enabled?
Select "Yes" to have MONyog evaluate this Monitor and display the output on the Monitors page.

Formula
thread\_cache\_size

Value\*
function()
{
if(MONyog.MySQL.Custom.Available != 1)
return "(n/a)";
if(Toint(MONyog.MySQL.Global.Variables.thread\_cache\_size) > 0)
}

Description
Each connection to the MySQL database server runs in its own thread. Thread creation is a time consuming activity, so instead of killing the thread each time a connection is closed, the server can keep the thread in its thread cache and use it for a new connection later

In this customization form each field corresponds to a valid MOM property. Some fields take on valid JavaScript expressions while others take on text /HTML as values. The values entered in these fields are used to generate JS objects which are basically name-value pairs.

The General tab displays properties which are basically necessary to define a Monitor. Properties with asterisk(\*) are mandatory. To customize the behavior of the Monitor further, click the **Advanced** that displays all MOM properties.



For more information, see [New CSO's and CSC's](#)

## Add generic functions

Common functions required across multiple Monitors can be put into generic functions. The generic functions shipped with SQL DM for MySQL cannot be edited. Only the user added generic functions will be editable. For example, the function StorageUnits defined in generic functions takes a numeric value as a parameter and returns a string which is the value specified in terms of K(ilo), M(ega), B(ytes), etc. To add a generic function click the icon adjacent to the title.

MANAGE GENERIC FUNCTIONS

Close

CacheHitRatioInnoDB  
CacheHitRatioMySQLSAM  
CacheHitRatioQuery  
CacheHitRatioThread  
CachePercentUsed  
CheckForInnoDB  
CheckForSystem  
GetCpuIOPercentage  
GetCpuKernelPercentage  
GetCpuPercentage  
GetCpuUsed  
GetCpuUserPercentage  
GetServerUptime  
GetWarnStatusFloat  
GetWarnStatusInt  
InnoDBCachePercentOnDisk  
InnoDBLogPercentOnDisk  
IsInnoDB  
IsKernelVersionLessThan2dot6  
IsReplicationSlave  
IsSlaveRunning  
KeyCachePercentOnDisk  
MemoryRequired

Name\*
CpuUsageInfo
Function name; must be a valid JavaScript identifier

Parameters
pUser, pNice, pSystem, pIdle, pLowait, pHi, pSi
Comma-separated list of function parameters; each parameter must be a valid JavaScript identifier

Body\*
ret = GetCpuPercentage(pUser, pNice, pSystem, pIdle, pLowait, pHi, pSi);  
if(ret == -1)  
{  
return 0;  
}  
ret = (100-ret).toFixed(1);  
return ret;
Function body; a set of valid JavaScript statements.

Save Cancel

## Enable/Disable notification for a particular Monitor.

SQL DM for MySQL allows user to disable notification for a monitor for a particular server. When notification is enabled for a monitor it generates alerts for all the servers whose values are alertable which may include servers that are not of interest for that monitor. Hence, receiving unwanted alerts is completely irritable. Now, you can avoid notification for a particular server or group of servers by using the below API. The API action is to disableNotification and enableNotification.

### Example API:

To disable notifications for "Percentage of max allowed reached" monitor under "connection history" monitor group for the servers under the tag "Prod".

```
$ Curl "http://192.168.1.1:5555/?_object=MONyogAPI&_action=disableNotification&_groupid=5&_counterid=10&_tag=Prod"
```

To enable notifications for "Percentage of max allowed reached" monitor under "connection history" monitor group for a particular server named "Staging-DB".

```
$ Curl "http://192.168.1.1:5555/?_object=MONyogAPI&_action=enableNotification&_groupid=5&_counterid=10&_server=Staging-DB"
```

You can check the Group ID and Counter ID of a monitor by hovering over the name of the monitor on the monitors page.