

Layout_View of Monitors

To see how every metric is calculated by SQL DM for MySQL you need to position the mouse over the name of each metric. The name of the monitor, formula used by the calculation displays with an explanation as a 'tool tip popup'. The tool-tip also explains how the result shown is evaluated, and how the value relates to an overall or some specific server performance metric.

✓ Every metric is documented in the SQL DM for MySQL web interface itself.

The screenshot shows the 'MONITORS' section for a MariaDB instance. The interface includes a sidebar with monitor groups, a main table of metrics, and a tooltip for the 'Currently running threads' metric.

MONITOR GROUP	MONITORS	MariaDB
General Info	Max allowed	151
Security	Open connections	2
Excessive Privileges	Connection usage	1.32%
MySQL Logs	Currently running threads	6
Connection History	Currently running threads	6
Current Connections	Currently running threads	6
MyISAM Key Cache	Connect timeout	10 secs
InnoDB Cache	Back log	80
InnoDB Deadlocks		
InnoDB Logs		
InnoDB - Others		
Threads		
Table Cache & Locks		
Query Cache		
Index Usage		
Temporary Tables		

Currently running threads
Group Id: 6, Counter Id: 4
Formula: Threads_running
Description: The number of threads that are active at this point of time. Too many active threads indicates there is a severe load on the server and may be a sign of lock contention or unoptimized SQL queries. Too many active threads are bad for performance.

If you require more details on the metric, click the hyperlink to get a detailed view.

The screenshot displays the MariaDB Monitors interface. On the left, a sidebar lists various monitor groups such as General Info, Security, Excessive Privileges, MySQL Logs, Connection History, Current Connections, MyISAM Key Cache, InnoDB Cache, InnoDB Deadlocks, InnoDB Logs, InnoDB - Others, Threads, Table Cache & Locks, Query Cache, Index Usage, Temporary Tables, and Binary Log. The main area shows a list of monitors for the 'Current' timeframe. The 'EDIT MONITOR - Currently running threads' panel is open, showing the following configuration:

- Name***: Currently running threads
- Monitor Group***: Current Connections
- Type of counter**: MySQL (selected), System, Custom SQL
- Enabled?**: (toggle)
- Formula**: Threads_running
- Value***:

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

The monitors can be edited or duplicated by clicking the icons adjacent to the name of the monitor. The mail alert icon is displayed adjacent to the name of the monitor specifying an alert condition. The blue coloured mail alert icon indicates that the notification has been enabled with the alert condition specified.