

Difference between Cumulative and Point in time counters

Cumulative Metrics (increase with time and can be recorded for a period (like 'Key_reads', 'Maximum no. of Connections that Ever Was')) are calculated differently instead of point-in-time metrics (like 'Server Availability', 'Currently Running Threads').

- **Cumulative metrics:** SQL DM for MySQL send alert if thresholds are crossed for last collection interval.
- **Point-in-time metrics:** SQL DM for MySQL send alert only based on 'Current' values (for instance current no. of connections is close to Max Allowed Connections - there is nothing more to consider!).