## Performance\_schema DB

* + Monitors Server Events
  + Current & History
  + Performance reports
  + InnoDB Statistics

### Monitoring MySQL with Performance Schema

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##### What is running slow on my server?

##### Why are my queries running slow?

##### Who is making queries to run slow?

##### How to fix slowrunning queries?

### What is Performance Schema:-

Performance Schema is a feature for monitoring MySQL Server execution at a low level and enables users to inspect internal execution of the server at runtime

Why Learn Performance Schema

Performance Schema is a feature for monitoring MySQL Server execution at a low level and enables users to inspect internal execution of the server at runtime.

Monitors Server Events

Current, History and Summary

Stored in performance\_schem adatabase

Temporary Views or Tables

This database Supports All Platforms

##### Does Performance Schema Monitoring Impact Server Performance?

Minimal Impact on Server Performance

No Excessive Memory Allocation

Continuous and Unobtrusive Monitoring

No Impact on Parser

Priority to Server Code Execution

Backward Compatibility with Versioning

1. Enable Performance Schema
2. my.cnf
3. on Linux/Unix
4. my.ini on Windows
5. What are Wait Events?
6. Why Should We Use
7. Wait Events?
8. How to Diagnose Problems
9. How to Solve Performance Issues
10. When MySQL Engine has to wait for any resource or operation to execute the next task, it is called as a Wait Event.
11. The Performance Schema monitors server events. An “event” is anything the server does that takes time and has been instrumented so that timing information can be collected. In general, an event could be a function call, a wait for the operating system, a stage of an SQL statement execution such as parsing or sorting, or an entire statement or group of statements. Event collection provides access to information about synchronization calls (such as for mutexes) and file I/O calls for the server and for several storage engines.

Performance Schema Wait Event isfor diagnosing problems

Performance Schema Wait Event is NOT the solution to problems

Information stored in tables

Collects current and recent wait events

Aggregates data in summary tables

Helps with root cause analysis

Extremely helpful in post-filtering

How Performance Schema Works

Getting Started with First Script