



Identifying Resource Bottlenecks by Wait Events



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Agenda



What are Wait Events?

Why Should We Use Wait Events?

How to Diagnose Problems

How to Solve Performance Issues





What are Wait Event?

When MySQL Engine has to wait for any resource or operation to execute the next task, it is called as a Wait Event.



Performance Schema Wait Event

is

for diagnosing problems



Performance Schema Wait Event

is *NOT*

the solution to problems



Wait Events Notes

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



Setting Up Events

Instruments

Collects raw data based on event

- Idle
- Memory
- Stage
- Statement
- Transaction
- Wait

Consumers

Destination of the data collected

- Current
- History
- History Long
- Summary
- Summary Digests



Demo



Getting Started





Steps to Diagnose Problems

- 1 – Run Use Case
- 2 – Analyze the Root Cause
- 3 – Rule Out Benign Issues
- 4 – Isolate Malign Issues
- 5 – Take Appropriate Corrective Actions
- 6 – Repeat



Demo



Diagnose Problems

- General Logging



Demo



Diagnose Problems

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Summary



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