

PostgreSQL queries performance

Last updated by | Lisa Liu | Nov 6, 2020 at 10:35 AM PST

PostgreSQL queries performance

Wednesday, February 28, 2018

12:23 PM

PostgreSQL 10 Parallel Queries and Performance

https://blog.rustprooflabs.com/2018/02/pg10_parallel_queries

[An Overview of Database Indexing in Postgres](#) — A high level overview of the types of index and related terminology.

[CREATE STATISTICS, The Postgres 10 Feature You Didn't Know About](#) — One key way Postgres's planner chooses how to handle a query is through *statistics* it has collected. In some cases you could make things more efficient by telling Postgres to collect the *right* statistics, and this is where CREATE STATISTICS comes in.

```
-----
MonResourceMetricsProvider
| where LogicalServerName =~ "{ServerName}"
| where TIMESTAMP >= ago(7d)
| where event == "dk_application_load"
| extend cpu_percentage = cpu_load_percent, memory_percentage = working_set_percent
| project TIMESTAMP, cpu_percentage, memory_percentage, disk_read_iops, disk_write_iops
//IOPS
MonResourceMetricsProvider
| where TIMESTAMP >= ago(5d)
| where LogicalServerName =~ "{ServerName}"
| summarize avg(total_iops), avg(disk_read_iops), avg(disk_write_iops) by bin(PreciseTimeStamp, 1h)
//number of queries running
MonRdmsServerMetrics
| where LogicalServerName =~ "{ServerName}"
| where TIMESTAMP >= ago(7d)
| where metric_name == "Queries"
| summarize sum(metric_value) by bin(originalEventTimestamp, 1m), metric_name
| render timechart

MonDmPgsSqlConnectionStats | where LogicalServerName =~ "{ServerName}"
| where TIMESTAMP >= ago(5d)

MonDmPgsSqlSessions | where LogicalServerName =~ "{ServerName}"
| where TIMESTAMP >= ago(1d)

MonDmPgsSqlAppConnection | where LogicalServerName =~ "{ServerName}"
| where TIMESTAMP >= ago(1d)
MonDmPgsSqlTransactionStats
| where TIMESTAMP > ago(7d)
| where LogicalServerName =~ "{ServerName}"
MonDmPgsSqlStatStatements
| where TIMESTAMP > ago(3h)
| where LogicalServerName =~ "{ServerName}"
```

Created with Microsoft OneNote 2016.

How good have you found this content?



-