Example

The histogram output in statement units. For example, `* = 2 units` in the histogram legend means that each `*` character represents 2 statements.

```
mysql> CALL sys.ps_statement_avg_latency_histogram()\G
*************************** 1. row ***************************
Performance Schema Statement Digest Average Latency Histogram:

  . = 1 unit
  * = 2 units
  # = 3 units

(0 - 66ms)     88  | ##############################
(66 - 133ms)   14  | ..............
(133 - 199ms)  4   | ....
(199 - 265ms)  5   | **
(265 - 332ms)  1   | .
(332 - 398ms)  0   |
(398 - 464ms)  1   | .
(464 - 531ms)  0   |
(531 - 597ms)  0   |
(597 - 663ms)  0   |
(663 - 730ms)  0   |
(730 - 796ms)  0   |
(796 - 863ms)  0   |
(863 - 929ms)  0   |
(929 - 995ms)  0   |
(995 - 1062ms) 0   |

  Total Statements: 114; Buckets: 16; Bucket Size: 66 ms;
```

28.4.4.22 The ps_trace_statement_digest() Procedure

Traces all Performance Schema instrumentation for a specific statement digest.

If you find a statement of interest within the Performance Schema `events_statements_summary_by_digest` table, specify its `DIGEST` column MD5 value to this procedure and indicate the polling duration and interval. The result is a report of all statistics tracked within Performance Schema for that digest for the interval.

The procedure also attempts to execute `EXPLAIN` for the longest running example of the digest during the interval. This attempt might fail because the Performance Schema truncates long `SQL_TEXT` values. Consequently, `EXPLAIN` fails, due to parse errors.

This procedure disables binary logging during its execution by manipulating the session value of the `sql_log_bin` system variable. That is a restricted operation, so the procedure requires privileges sufficient to set restricted session variables. See Section 5.1.9.1, “System Variable Privileges”.

Parameters

- `in_digest VARCHAR(32)`: The statement digest identifier to analyze.
- `in_runtime INT`: How long to run the analysis in seconds.
- `in_interval DECIMAL(2,2)`: The analysis interval in seconds (which can be fractional) at which to try to take snapshots.
- `in_start_fresh BOOLEAN`: Whether to truncate the Performance Schema `events_statements_history_long` and `events_stages_history_long` tables before starting.