

Create extension pg_stat_statements

配置 pg_stat_statements

```
shared_preload_libraries = 'pg_stat_statements'
#shared_preload_libraries = 'pg'          # (change requires restart)

# - pg_stat_statements -
pg_stat_statements.max = 1024              # the max store number of SQL(if it's full, the new SQL will cover the old SQL
                                           # which is not frequent)
pg_stat_statements.track = all              # (all | top | none)
                                           # all means the SQL traced contains the internal nested SQL
                                           # for example SQL in the function
                                           # top means just trace the topest SQL
                                           # none means not trace
pg_stat_statements.track_utility = on       # if or not trace the SQL except insert/update/delete/select SQL
pg_stat_statements.save = on               # after close the database, whether the information in the shared memory should be
                                           # store into $PGDATA/global/pg_stat_statements.stat
```

shared_preload_libraries = 'pg_stat_statements'

- pg_stat_statements -

pg_stat_statements.max = 1024 # the max store number of SQL(if it's full, the new SQL will cover the old SQL

 # which is not frequent)

pg_stat_statements.track = all # (all | top | none)

 # all means the SQL traced contains the internal nested SQL

 # for example SQL in the function

 # top means just trace the topest SQL

 # none means not trace

pg_stat_statements.track_utility = on # if or not trace the SQL except insert/update/delete/select SQL

pg_stat_statements.save = on # after close the database, whether the information in the shared memory
should be

 # store into \$PGDATA/global/pg_stat_statements.stat

Functions: pg_stat_statements_reset()

View: pg_stat_statements

Name	Type	References	Description
userid	oid	pg_authid.oid	OID of user who executed the statement
dbid	oid	pg_database.oid	OID of database in which the statement was executed
query	text	SQL	Text of a representative statement (up to track_activity_query_size bytes)
calls	bigint	调用次数	Number of times executed
total_time	double precision	毫秒	Total time spent in the statement, in milliseconds
rows	bigint		Total number of rows retrieved or affected by the statement
shared_blks_hit	bigint	命中读	Total number of shared block cache hits by the statement
shared_blks_read	bigint	未命中读	Total number of shared blocks read by the statement
shared_blks_dirtied	bigint	产生脏块	Total number of shared blocks dirtied by the statement
shared_blks_written	bigint	写出脏块	Total number of shared blocks written by the statement
local_blks_hit	bigint		Total number of local block cache hits by the statement
local_blks_read	bigint		Total number of local blocks read by the statement
local_blks_dirtied	bigint		Total number of local blocks dirtied by the statement
local_blks_written	bigint		Total number of local blocks written by the statement
temp_blks_read	bigint		Total number of temp blocks read by the statement
temp_blks_written	bigint		Total number of temp blocks written by the statement
blk_read_time	double precision		Total time the statement spent reading blocks, in milliseconds (if track_io_timing is enabled, otherwise zero)
blk_write_time	double precision		Total time the statement spent writing blocks, in milliseconds (if track_io_timing is enabled, otherwise zero)