Cloud SQL (https://cloud.google.com/sql/)
Documentation (https://cloud.google.com/sql/docs/)
PostgreSQL (https://cloud.google.com/sql/docs/postgres/) Guides

Configuring database flags

MySQL (https://cloud.google.com/sql/docs/mysql/flags) | **PostgreSQL** | SQL Server (https://cloud.google.com/sql/docs/sqlserver/flags)

This page describes how to configure database flags for Cloud SQL, and lists which flags you can set for your instance. You use database flags to adjust PostgreSQL parameters and options, to configure and tune your instance.

In some cases, setting one flag may require that you set another flag to fully enable the desired functionality.

When you set, remove, or modify a flag for a database instance, the database might be restarted. The flag value is then persisted for the instance until you remove it. If the instance is the source of a replica, the replica will also restart to align with the current configuration of the instance.

Configuring database flags

Setting a database flag

CONSOLE GCLOUD REST

1. In the Google Cloud Console (https://console.cloud.google.com/project/_/sql/instances), create a new Cloud Console project, or open an existing project by selecting the project name.

★ **Important:** You should be aware that some resource identifiers (such as project IDs) might be retained beyond the life of your project. For this reason, avoid storing sensitive information in resource identifiers.

...see naming guidelines

2. Open the instance and click **Edit**.
3. Scroll down to the **Flags** section.

4. To set a flag that has not been set on the instance before, click **Add item**, choose the flag from the drop-down menu, and set its value.
5. Click **Save** to save your changes.
6. Confirm your changes under **Flags** on the Overview page.

Clearing all flags to their default value

CONSOLE GCLOUD REST

1. In the Google Cloud Console (https://console.cloud.google.com/project/_/sql/instances), create a new Cloud Console project, or open an existing project by selecting the project name.

★ **Important:** You should be aware that some resource identifiers (such as project IDs) might be retained beyond the life of your project. For this reason, avoid storing sensitive information in resource identifiers.

...see naming guidelines

2. Open the instance and click **Edit**.
3. Open the **Database flags** section.
4. Click the **X** next to all of the flags shown.
5. Click **Save** to save your changes.

Viewing current values of database flags

To view all current values of the PostgreSQL settings, log into your instance with the `psql` client and enter the following statement:

```
SELECT name, setting FROM pg_settings;
```

Note that you can change the value only for supported flags (as listed below).

Determining what database flags have been set for an instance

To see what flags have been set for a Cloud SQL instance:

CONSOLE GCLOUD REST

1. In the Google Cloud Console (https://console.cloud.google.com/project/_/sql/instances), create a new Cloud Console project, or open an existing project by selecting the project name.

★ **Important:** You should be aware that some resource identifiers (such as project IDs) might be retained beyond the life of your project. For this reason, avoid storing sensitive information in resource identifiers.

...see naming guidelines

2. Select the instance to open its **Instance Overview** page.

   The database flags that have been set are listed under the **Database flags** section.

Supported flags

For a given flag, Cloud SQL might support a different range than the corresponding PostgreSQL parameter or option.

Note: Some flags in the following table are in beta for Cloud SQL. Acceptable ranges for these flags might change. The Cloud SQL SLA (https://cloud.google.com/sql/sla) does not cover instances that use non-default settings for these flags.

A (#postgres-a) | C (#postgres-c) | D (#postgres-d) | E (#postgres-e) | F (#postgres-f) | G (#postgres-g) | H (#postgres-h) | I (#postgres-i) | J (#postgres-j) | L (#postgres-l) | M (#postgres-m) | O (#postgres-o) | P (#postgres-p) | R (#postgres-r) | S (#postgres-s) | T (#postgres-t) | V (#postgres-v) | W (#postgres-w)

Cloud SQL Flag	Type Acceptable Values and Notes
autovacuum (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM)	`boolean` `on` | `off`
autovacuum_analyze_scale_factor (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-ANALYZE-SCALE-FACTOR)	`float` `0` ... `100`

autovacuum_analyze_threshold (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-ANALYZE-THRESHOLD)	**integer** **0** ... **2147483647**
autovacuum_freeze_max_age (https://www.postgresql.org/docs/9.6/runtime-config-autovacuum.html#GUC-AUTOVACUUM-FREEZE-MAX-AGE)	**integer** **100000** ... **2000000000**
autovacuum_max_workers (https://www.postgresql.org/docs/9.6/runtime-config-autovacuum.html#GUC-AUTOVACUUM-MAX-WORKERS)	**integer** **1** ... **varies (see note)** ★ **Note:** To determine the maximum valu can set for this flag, you must first ca number of backend connections that in use. This calculation is the sum of t for max_connections (maximum num client connections), autovacuum_max (maximum number of autovacuum pr and max_worker_processes (https://www.postgresql.org/docs/9 config-resource.html#GUC-MAX-WOR PROCESSES) . The sum cannot exceed **262142**.
autovacuum_multixact_freeze_max_age (https://www.postgresql.org/docs/9.6/runtime-config-autovacuum.html#GUC-AUTOVACUUM-MULTIXACT-FREEZE-MAX-AGE)	**integer** **10000** ... **2000000000**
autovacuum_naptime (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-NAPTIME)	**integer** **1** ... **2147483** s
autovacuum_vacuum_cost_delay (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-VACUUM-COST-DELAY)	**integer** **0** ... **100** ms, or **-1** to use the **vacuum_cost_delay** value
autovacuum_vacuum_cost_limit (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-VACUUM-COST-LIMIT)	**integer** **0** ... **10000**, or **-1** to use the **vacuum_cost_limit** value
autovacuum_vacuum_scale_factor (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-VACUUM-SCALE-FACTOR)	**float** **0** ... **100**

autovacuum_vacuum_threshold (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-AUTOVACUUM-VACUUM-THRESHOLD)	**integer** **0** ... **2147483647**
autovacuum_work_mem (https://www.postgresql.org/docs/9.6/runtime-config-resource.html#GUC-AUTOVACUUM-WORK-MEM)	**integer** **0** ... **2147483647** KB, or **-1** to use **maintenance_work_mem** value
checkpoint_completion_target (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-CHECKPOINT-COMPLETION-TARGET)	**float** **0.0** ... **1.0**
checkpoint_timeout (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-CHECKPOINT-TIMEOUT)	**integer** **30** ... **86400** s
checkpoint_warning (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-CHECKPOINT-WARNING)	**integer** **0** ... **2147483647** s
commit_delay (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-COMMIT-DELAY)	**integer** **0** ... **100000**
commit_siblings (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-COMMIT-SIBLINGS)	**integer** **0** ... **1000**
constraint_exclusion (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-CONSTRAINT-EXCLUSION)	**enumeration** **partition** | **on** | **off**
cpu_index_tuple_cost (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-CONSTANTS)	**float** **0.0** ... **inf**
cpu_operator_cost (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-CPU-OPERATOR-COST)	**float** **0.0** ... **inf**
cpu_tuple_cost (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-CPU-TUPLE-COST)	**float** **0.0** ... **inf**
cursor_tuple_fraction (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-OTHER)	**float** **0.0** ... **1.0**

deadlock_timeout (https://www.postgresql.org/docs/9.6/runtime-config-locks.html)	integer 1 ... 2147483647 ms
default_statistics_target (https://www.postgresql.org/docs/9.6/static/runtime-config-query.html#GUC-DEFAULT-STATISTICS-TARGET)	integer 1 ... 10000
default_tablespace (https://www.postgresql.org/docs/9.6/runtime-config-client.html#GUC-DEFAULT-TABLESPACE)	string
default_transaction_deferrable (https://www.postgresql.org/docs/9.6/runtime-config-client.html#GUC-DEFAULT-TRANSACTION-DEFERRABLE)	boolean on|off
default_transaction_isolation (https://www.postgresql.org/docs/9.6/runtime-config-client.html#GUC-DEFAULT-TRANSACTION-ISOLATION)	enumeration serializable|'repeatable read committed'|'read uncommitted'
enable_bitmapscan (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_hashagg (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_hashjoin (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_indexonlyscan (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_indexscan (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_material (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off
enable_mergejoin (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	boolean on|off

enable_nestloop (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	`boolean` `on` | `off`
enable_seqscan (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	`boolean` `on` | `off`
enable_sort (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	`boolean` `on` | `off`
enable_tidscan (https://www.postgresql.org/docs/9.5/runtime-config-query.html#RUNTIME-CONFIG-QUERY-ENABLE)	`boolean` `on` | `off`
force_parallel_mode (https://www.postgresql.org/docs/11/runtime-config-query.html#RUNTIME-CONFIG-QUERY-OTHER)	`enumeration` `off` | `on` | `regress`
from_collapse_limit (https://www.postgresql.org/docs/10/runtime-config-query.html#GUC-FROM-COLLAPSE-LIMIT)	`integer` `1` ... `2147483647`
geqo (https://www.postgresql.org/docs/11/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`boolean` `on` | `off`
geqo_effort (https://www.postgresql.org/docs/11/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`integer` `1` ... `10`
geqo_generations (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`integer` `0` ... `2147483647`
geqo_pool_size (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`integer` `0` ... `2147483647`
geqo_seed (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`float` `0.0` ... `1.0`
geqo_selection_bias (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	`float` `1.5` ... `2.0`

geqo_threshold (https://www.postgresql.org/docs/9.6/runtime-config-query.html#RUNTIME-CONFIG-QUERY-GEQO)	**integer** **2** ... **2147483647**
gin_fuzzy_search_limit (https://www.postgresql.org/docs/9.6/runtime-config-client.html#GUC-GIN-FUZZY-SEARCH-LIMIT)	**integer** **0** ... **2147483647**
gin_pending_list_limit (https://www.postgresql.org/docs/9.6/runtime-config-client.html#RUNTIME-CONFIG-CLIENT-STATEMENT)	**integer** **64** ... **2147483647** KB
hot_standby_feedback (https://www.postgresql.org/docs/9.6/runtime-config-replication.html#RUNTIME-CONFIG-REPLICATION-STANDBY)	**boolean** **on** | **off**
idle_in_transaction_session_timeout (https://www.postgresql.org/docs/9.6/runtime-config-client.html#RUNTIME-CONFIG-CLIENT-STATEMENT)	**integer** **0** ... **2147483647** ms
join_collapse_limit (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-JOIN-COLLAPSE-LIMIT)	**integer** **1** ... **2147483647**
lock_timeout (https://www.postgresql.org/docs/9.6/runtime-config-client.html#RUNTIME-CONFIG-CLIENT-STATEMENT)	**integer** **0** ... **2147483647** ms
log_autovacuum_min_duration (https://www.postgresql.org/docs/9.6/static/runtime-config-autovacuum.html#GUC-LOG-AUTOVACUUM-MIN-DURATION)	**integer** **0** ... **2147483647** ms, or **-1** to disable
log_checkpoints (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHAT)	**boolean** **on** | **off**
log_connections (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHAT)	**boolean** **on** | **off**
log_disconnections (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHAT)	**boolean** **on** | **off**
log_duration (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHAT)	**boolean** **on** | **off**

log_error_verbosity (https://www.postgresql.org/docs/current/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHAT)	**enumeration** **terse** | **default** | **verbose**
log_executor_stats (https://www.postgresql.org/docs/9.6/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-MONITOR)	**boolean** **on** | **off**
log_hostname (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-HOSTNAME)	**boolean** **on** | **off**
log_lock_waits (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-LOCK-WAITS)	**boolean** **on** | **off**
log_min_duration_statement (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-MIN-DURATION-STATEMENT)	**integer** **-1** ... **2147483647** ms
log_min_error_statement (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHEN)	**enumeration** **debug5** | **debug4** | **debug3** | **debug2** | **info** | **notice** | **warning** | **error** | **log** **panic**
log_min_messages (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#RUNTIME-CONFIG-LOGGING-WHEN)	**enumeration** **debug5** | **debug4** | **debug3** | **debug2** | **info** | **notice** | **warning** | **error** | **log** **panic**
log_parser_stats (https://www.postgresql.org/docs/9.6/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-MONITOR)	**boolean** **on** | **off**
log_planner_stats (https://www.postgresql.org/docs/9.6/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-MONITOR)	**boolean** **on** | **off**
log_replication_commands (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-REPLICATION-COMMANDS)	**boolean** **on** | **off**
log_statement (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-STATEMENT)	**enumeration** **none** | **ddl** | **mod** | **all**
log_statement_stats	**boolean**

(https://www.postgresql.org/docs/9.6/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-MONITOR)	May not be enabled together with **log_parser_stats**, **log_planner_** **log_executor_stats**.
log_temp_files (https://www.postgresql.org/docs/9.6/runtime-config-logging.html#GUC-LOG-TEMP-FILES)	**integer** **0** ... **2147483647** KB, or **-1** to disable
maintenance_work_mem (https://www.postgresql.org/docs/9.6/runtime-config-resource.html#RUNTIME-CONFIG-RESOURCE-MEMORY)	**integer** **1024** ... **2147483647** KB
max_connections (https://www.postgresql.org/docs/9.6/runtime-config-connection.html#GUC-MAX-CONNECTIONS)	**integer** **14** ... **varies (see note)** ★ **Note:** To determine the maximum valu can set for this flag, you must first ca number of backend connections that in use. This calculation is the sum of t for max_connections (maximum num client connections), autovacuum_max (maximum number of autovacuum pr and max_worker_processes (https://www.postgresql.org/docs/9 config-resource.html#GUC-MAX-WOR PROCESSES) . The sum cannot exceed **262142**. The value on replicas must be >= the v primary. Changes on the primary prop replicas that have a value that is lowe new value on the primary, or that have changed from the default value.
max_locks_per_transaction (https://www.postgresql.org/docs/9.6/runtime-config-locks.html#GUC-MAX-LOCKS-PER-TRANSACTION)	**integer** **10** ... **2147483647** The value on replicas must be >= the v primary. Changes on the primary prop replicas that have a value that is lowe new value on the primary, or that have changed from the default value.
max_prepared_transactions	**integer** **0** ... **262143**

(https://www.postgresql.org/docs/9.6/runtime-config-resource.html#GUC-MAX-PREPARED-TRANSACTIONS)	The value on replicas must be >= the v primary. Changes on the primary prop replicas that have a value that is lowe new value on the primary, or that hav changed from the default value.
max_standby_archive_delay (https://www.postgresql.org/docs/current/runtime-config-replication.html#GUC-MAX-STANDBY-ARCHIVE-DELAY)	**integer** **0** ... **2147483647** ms, or **-1** to wait fo
max_standby_streaming_delay (https://www.postgresql.org/docs/current/runtime-config-replication.html#GUC-MAX-STANDBY-STREAMING-DELAY)	**integer** **0** ... **2147483647** ms, or **-1** to wait fo
max_wal_size (https://www.postgresql.org/docs/9.6/runtime-config-wal.html#GUC-MAX-WAL-SIZE)	**integer** **2** ... **2147483647** Unit is 16 MB for Postgres 9.6; unit de 1 MB for Postgres 11 (default)
min_parallel_relation_size (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-MIN-PARALLEL-RELATION-SIZE)	**integer** **0** ... **715827882** Unit is **8** KB
old_snapshot_threshold (https://www.postgresql.org/docs/9.6/runtime-config-resource.html#GUC-OLD-SNAPSHOT-THRESHOLD)	**integer** **0** ... **86400** min, or **-1** to disable
parallel_setup_cost (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-PARALLEL-SETUP-COST)	**float** **0.0** ... **inf**
parallel_tuple_cost (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-PARALLEL-TUPLE-COST)	**float** **0.0** ... **inf**
pg_stat_statements.max (https://www.postgresql.org/docs/current/pgstatstatements.html#id-1.11.7.38.8)	**integer** **100** ... **2147483647**
pg_stat_statements.save (https://www.postgresql.org/docs/current/pgstatstatements.html#id-1.11.7.38.8)	**boolean** **on** | **off**
pg_stat_statements.track (https://www.postgresql.org/docs/current/pgstatstatements.html#id-1.11.7.38.8)	**enumeration** **none** | **top** | **all**

pg_stat_statements.track_utility (https://www.postgresql.org/docs/current/pgstatstatements.html#id-1.11.7.38.8)	**boolean** **on** | **off**
random_page_cost (https://www.postgresql.org/docs/9.6/runtime-config-query.html#GUC-RANDOM-PAGE-COST)	**float** **0.0** ... **inf**
replacement_sort_tuples (https://www.postgresql.org/docs/9.6/runtime-config-resource.html#GUC-REPLACEMENT-SORT-TUPLES)	**integer** **0** ... **2147483647**
standard_conforming_strings (https://www.postgresql.org/docs/9.6/runtime-config-compatible.html#GUC-STANDARD-CONFORMING-STRINGS)	**boolean** **on** | **off**
synchronize_seqscans (https://www.postgresql.org/docs/9.6/runtime-config-compatible.html#RUNTIME-CONFIG-COMPATIBLE-VERSION)	**boolean** **on** | **off**
temp_buffers (https://www.postgresql.org/docs/9.6/runtime-config-resource.html#RUNTIME-CONFIG-RESOURCE-MEMORY)	**integer** **100** ... **1073741823** Unit is **8** KB
temp_file_limit (https://www.postgresql.org/docs/9.6/static/runtime-config-resource.html#RUNTIME-CONFIG-RESOURCE-DISK)	**integer** **1048576** ... **2147483647** KB
trace_notify (https://www.postgresql.org/docs/9.6/runtime-config-developer.html)	**boolean** **on** | **off**
trace_recovery_messages (https://www.postgresql.org/docs/10/runtime-config-developer.html)	**enumeration** **debug5** | **debug4** | **debug3** | **debug2** | **log** | **notice** | **warning** | **error**
trace_sort (https://www.postgresql.org/docs/10/runtime-config-developer.html)	**boolean** **on** | **off**
track_activities (https://www.postgresql.org/docs/10/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-COLLECTOR)	**boolean** **on** | **off**
track_activity_query_size (https://www.postgresql.org/docs/10/runtime-config-statistics.html#RUNTIME-CONFIG-STATISTICS-COLLECTOR)	**integer** **100** ... **102400**
track_commit_timestamp	**boolean**

(https://www.postgresql.org/docs/current/runtime-config-replication.html#RUNTIME-CONFIG-REPLICATION-SENDER)	`on` | `off`
track_counts (https://www.postgresql.org/docs/10/runtime-config-statistics.html#GUC-TRACK-COUNTS)	`boolean` `on` | `off`
track_functions (https://www.postgresql.org/docs/10/runtime-config-statistics.html#GUC-TRACK-FUNCTIONS)	`enumeration` `none` | `pl` | `all`
track_io_timing (https://www.postgresql.org/docs/10/runtime-config-statistics.html#GUC-TRACK-IO-TIMING)	`boolean` `on` | `off`
vacuum_cost_delay (https://www.postgresql.org/docs/current/runtime-config-resource.html#RUNTIME-CONFIG-RESOURCE-VACUUM-COST)	`integer` `0` ... `100` ms
vacuum_cost_limit (https://www.postgresql.org/docs/10/runtime-config-resource.html#GUC-VACUUM-COST-LIMIT)	`integer` `1` ... `10000`
vacuum_freeze_min_age (https://www.postgresql.org/docs/10/runtime-config-client.html#GUC-VACUUM-FREEZE-MIN-AGE)	`integer` `0` ... `1000000000`
vacuum_freeze_table_age (https://www.postgresql.org/docs/10/runtime-config-client.html#GUC-VACUUM-FREEZE-TABLE-AGE)	`integer` `0` ... `2000000000`
vacuum_multixact_freeze_min_age (https://www.postgresql.org/docs/10/runtime-config-client.html#GUC-VACUUM-MULTIXACT-FREEZE-MIN-AGE)	`integer` `0` ... `1000000000`
vacuum_multixact_freeze_table_age (https://www.postgresql.org/docs/10/runtime-config-client.html#GUC-VACUUM-MULTIXACT-FREEZE-TABLE-AGE)	`integer` `0` ... `2000000000`
work_mem (https://www.postgresql.org/docs/10/runtime-config-resource.html#GUC-WORK-MEM)	`integer` `64` ... `2147483647` KB

What's next

- Learn more about PostgreSQL server configuration (https://www.postgresql.org/docs/9.6/static/runtime-config.html).

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