



#vacuum #monitoring  
#vacuum\_statistics

# VACUUM STATISTICS

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## What Is Vacuum In PostgreSQL?

- ✓ Reclaims storage by cleaning up dead tuples
- ✓ Prevents bloats
- ✓ Maintains the visibility map
- ✓ Avoids transaction wraparound



## Vacuum Statistics Are Helpful

- ! Provides insights to analyse vacuum workload
- ! Helps adjust vacuum parameters



## Proposed Solution

Collects Vacuum statistics in the Cumulative Statistics System on a per-relation basis

- ↻ Buffer Statistics: hit, read dirties
- 🗄 I/O Time: blk read time, blk write time
- 🔔 Tuples count: dead tuples, removed tuples
- 📍 VM marks: removed all-visible and frozen
- 🕒 Total time: user, system, delay
- ⚠ Wraparound failsafe count



## Examples

```
SELECT * FROM pg_stat_vacuum_tables;
SELECT * FROM pg_stat_vacuum_indexes;
SELECT * FROM pg_stat_vacuum_database;
```