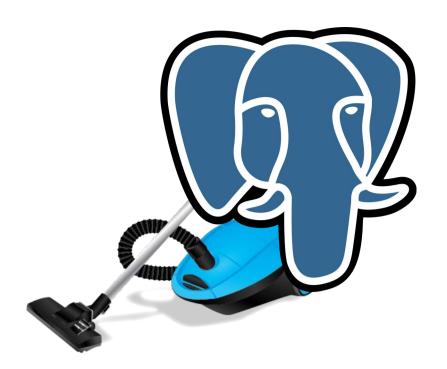


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## **VACUUM STATISTICS**

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#vacuum #monitoring
#vacuum\_statistics



## What Is Vacuum In PostgreSQL?

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



- ! 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

- Duffer 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
- (1) 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;