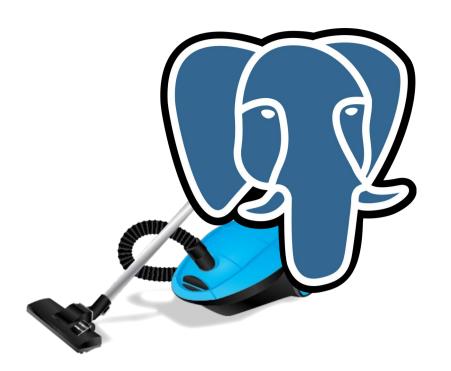


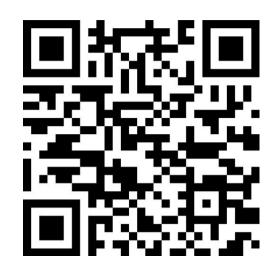
2025



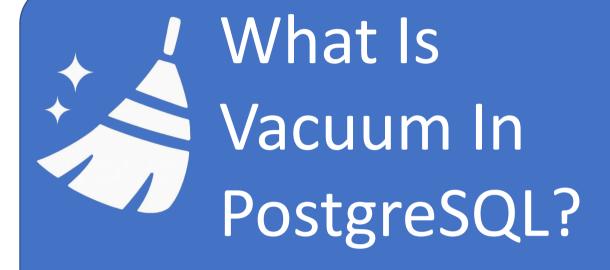


## **VACUUM STATISTICS**

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#vacuum #monitoring
#vacuum\_statistics



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

## ! The Challenge

- Cause excessive I/O
- X and CPU load
- Degrade query
- Performance
  - Obscure strategic
- X workload patterns



## 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
- (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;