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Warning: This documentation is for a pre-release version of pgAdmin 4

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Maintenance Dialog

Use the *Maintenance* dialog to VACUUM, ANALYZE, REINDEX or CLUSTER a database or selected database objects.



The screenshot shows the 'Maintenance...' dialog box with the 'Options' tab selected. The 'Maintenance operation' section has four buttons: 'VACUUM' (selected), 'ANALYZE', 'REINDEX', and 'CLUSTER'. Below this, there are three rows of options: 'FULL' with a 'No' button, 'FREEZE' with a 'No' button, and 'ANALYZE' with a 'No' button. At the bottom, there is a 'Verbose Messages' section with a 'Yes' button. The dialog box has a title bar with a maximize button and a footer with an information icon, a help icon, and 'Cancel' and 'OK' buttons.

While this utility is useful for ad-hoc maintenance purposes, you are encouraged to perform automatic VACUUM jobs on a regular schedule.

Select a button next to *Maintenance operation* to specify the type of maintenance:

- Click *VACUUM* to scan the selected database or table to reclaim storage used by dead tuples.

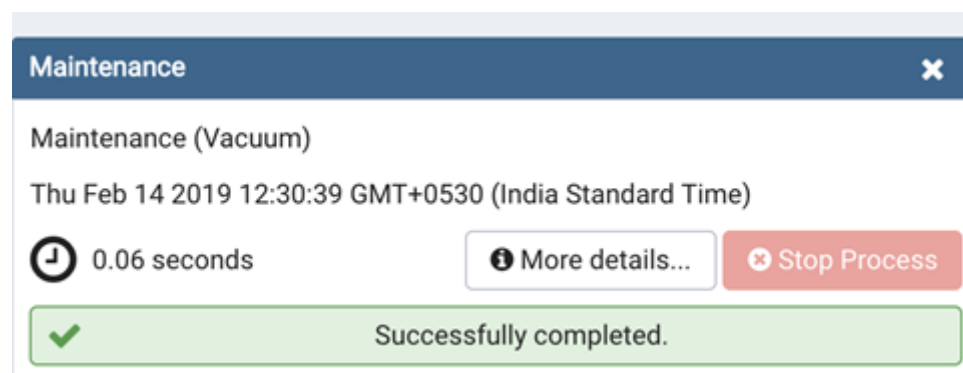
- Move the *FULL* switch to the *Yes* position to compact tables by writing a completely new version of the table file without dead space. The default is *No*.
- Move the *FREEZE* switch to the *Yes* position to freeze data in a table when it will have no further updates. The default is *No*.
- Move the *ANALYZE* switch to the *Yes* position to issue *ANALYZE* commands whenever the content of a table has changed sufficiently. The default is *No*.

- Click *ANALYZE* to update the stored statistics used by the query planner. This enables the query optimizer to select the fastest query plan for optimal performance.
- Click *REINDEX* to rebuild any index in case it has degenerated due to the insertion of unusual data patterns. This happens, for example, if you insert rows with increasing index values, and delete low index values.
- Click *CLUSTER* to instruct PostgreSQL to cluster the selected table.

To exclude status messages from the process output, move the *Verbose Messages* switch to the *No* position; by default, status messages are included.

When you've completed the dialog, click *OK* to start the background process; to exit the dialog without performing maintenance operations, click *Cancel*.

pgAdmin will inform you when the background process completes:



Use the **Stop Process** button to stop the Maintenance process.

Use the *Click here for details* link on the notification to open the *Process Watcher* and review detailed information about the execution of the command that performed the import or export:

Process Watcher - Maintenance

VACUUM (VERBOSE)

Running Query:

VACUUM VERBOSE;

🕒

Start time: Thu Feb 14 2019 12:30:05 GMT+0530 (India Standard Time)

⛔ Stop Process

There were 0 unused item pointers.
Skipped 0 pages due to buffer pins, 0 frozen pages.
0 pages are entirely empty.
CPU: user: 0.00 s, system: 0.00 s, elapsed: 0.00 s.
INFO: vacuuming "sys.edb\$statio_all_tables"
INFO: index "edb\$statio_tab_pk" now contains 0 row versions in 1 pages
DETAIL: 0 index row versions were removed.
0 index pages have been deleted, 0 are currently reusable.
CPU: user: 0.00 s, system: 0.00 s, elapsed: 0.00 s.
INFO: "edb\$statio_all_tables": found 0 removable, 0 nonremovable row versions in 0 out of 0 pages
DETAIL: 0 dead row versions cannot be removed yet, oldest xmin: 1275
There were 0 unused item pointers.
Skipped 0 pages due to buffer pins, 0 frozen pages.
0 pages are entirely empty.
CPU: user: 0.00 s, system: 0.00 s, elapsed: 0.00 s.

✔

Successfully completed.

Execution time: 0.45 seconds