

## Quick Links



[Online Demo](#)



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[FAQ](#)



[Latest Docs](#)



[Ask a Question](#)



[Report a Bug](#)



[Screenshots](#)

This page in other versions: [Latest \(4.19\)](#) | [4.18](#) | [4.17](#) | [3.6](#) | [2.1](#) | [1.6](#) | [Development](#)

[pgAdmin 4 4.19 documentation](#) » [Backup and Restore](#) »

[previous](#) | [next](#) | [index](#)

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

### Contents

- [Getting Started](#)
- [Connecting To A Server](#)
- [Managing Cluster Objects](#)
- [Managing Database Objects](#)
- [Creating or Modifying a Table](#)
- [Management Basics](#)
- [Backup and Restore](#)
  - [Backup Dialog](#)
  - [Backup Globals Dialog](#)
  - [Backup Server Dialog](#)
  - [Restore Dialog](#)
- [Developer Tools](#)
- [pgAgent](#)
- [pgAdmin Project Contributions](#)
- [Release Notes](#)
- [Licence](#)

## Backup Server Dialog

Use the *Backup Server* dialog to create a plain-text script that will recreate the selected server. You can use the *pgAdmin Query Tool* to play back a plain-text script, and recreate the server.

Use the fields in the *General* tab to specify the following:

- Enter the name of the backup file in the *Filename* field. Optionally, select the *Browser* icon (ellipsis) to the right to navigate into a directory and select a file that will contain the archive.
- Use the *Encoding* drop-down listbox to select the character encoding method that should be used for the archive. **Note:** This option is visible only for database server greater than or equal to 11.

- Use the drop-down listbox next to *Role name* to specify a role with connection privileges on the selected server. The role will be used for authentication during the backup.

The screenshot shows the 'Backup Server...' dialog box with the 'Dump options' tab selected. Under the 'Type of objects' section, there are two toggle switches: 'Only data' and 'Only schema'. Both switches are currently in the 'No' position. At the bottom of the dialog, there are buttons for 'Cancel' and 'Backup', along with information and help icons.

- Move switches in the **Type of objects** field box to specify details about the type of objects that will be backed up.
  - Move the switch next to *Only data* to the *Yes* position to limit the back up to data.
  - Move the switch next to *Only schema* to limit the back up to schema-level database objects.

The screenshot shows the 'Backup Server...' dialog box with the 'Dump options' tab selected. Under the 'Do not save' section, there are four toggle switches: 'Owner', 'Privilege', 'Tablespace', and 'Unlogged table data'. All four switches are currently in the 'No' position. At the bottom of the dialog, there are buttons for 'Cancel' and 'Backup', along with information and help icons.

- Move switches in the **Do not save** field box to select the objects that will not be included in the backup.
  - Move the switch next to *Owner* to the *Yes* position to exclude commands that set object ownership.
  - Move the switch next to *Privilege* to the *Yes* position to exclude commands that create access privileges.
  - Move the switch next to *Tablespace* to the *Yes* position to exclude tablespaces.
  - Move the switch next to *Unlogged table data* to the *Yes* position to exclude the contents of unlogged tables.
  - Move the switch next to *Comments* to the *Yes* position to exclude commands that set the comments. **Note:** This option is visible only for database server greater than or equal to 11.

Backup Server...

General Dump options

**Queries**

Use Column Inserts ☐ No

Use Insert Commands ☐ No

Include DROP DATABASE statement ☐ No

**i** **?** **Cancel** **Backup**

- Move switches in the **Queries** field box to specify the type of statements that should be included in the backup.

- Move the switch next to *Use Column Inserts* to the *Yes* position to dump the data in the form of INSERT statements and include explicit column names. Please note: this may make restoration from backup slow.
- Move the switch next to *Use Insert commands* to the *Yes* position to dump the data in the form of INSERT statements rather than using a COPY command. Please note: this may make restoration from backup slow.
- Move the switch next to *Include DROP DATABASE statement* to the *Yes* position to include a command in the backup that will drop any existing database object with the same name before recreating the object during a backup.

Backup Server...

General Dump options

**Disable**

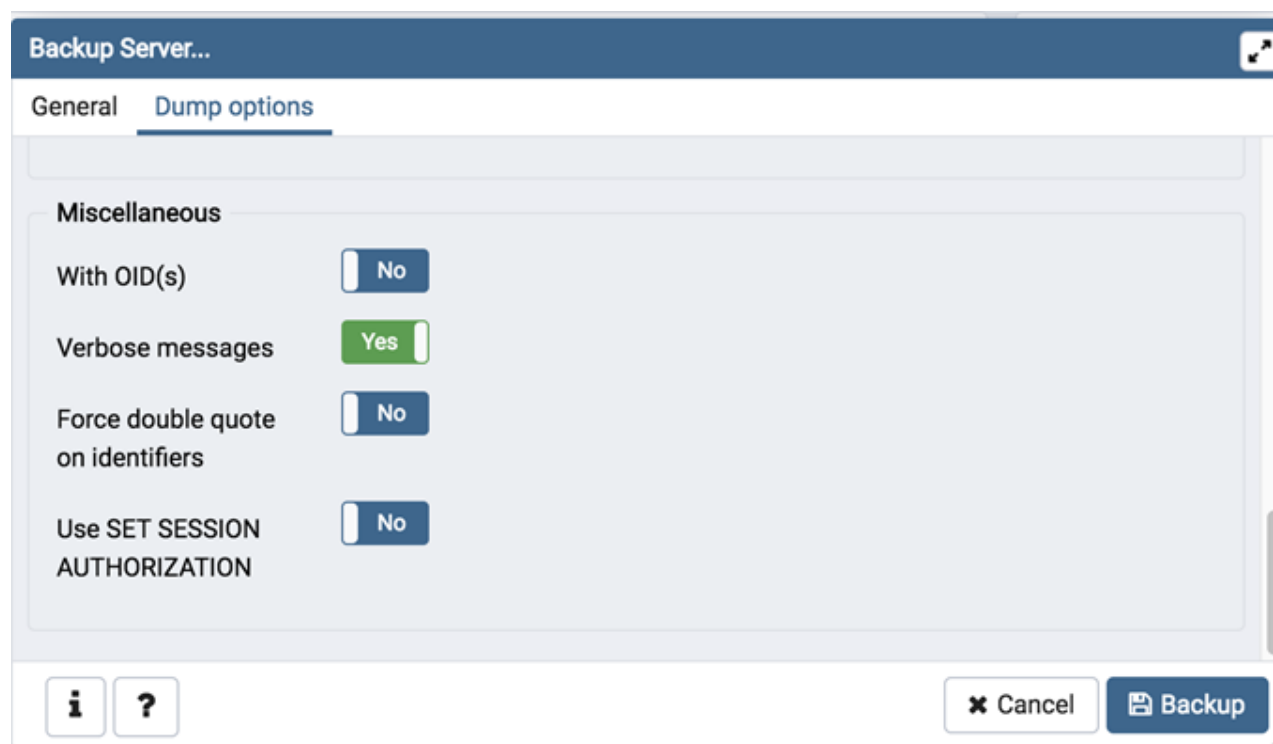
Trigger ☐ No

\$ quoting ☐ No

**i** **?** **Cancel** **Backup**

- Move switches in the **Disable** field box to specify the type of statements that should be excluded from the backup.

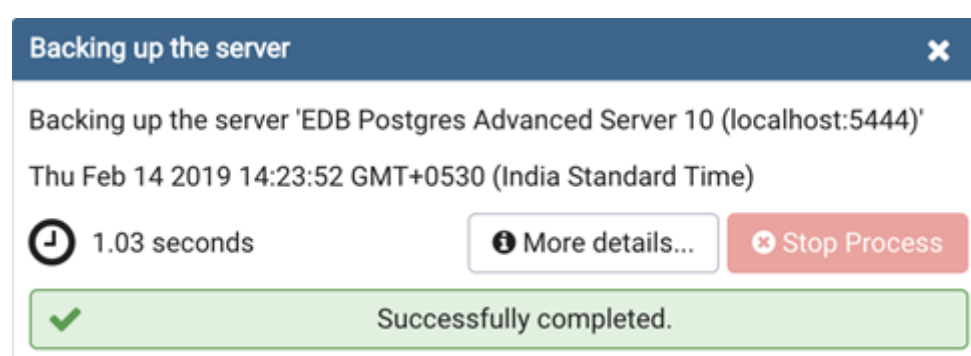
- Move the switch next to *Trigger* (active when creating a data-only backup) to the *Yes* position to include commands that will disable triggers on the target table while the data is being loaded.
- Move the switch next to *\$ quoting* to the *Yes* position to enable dollar quoting within function bodies; if disabled, the function body will be quoted using SQL standard string syntax.



- Move switches in the **Miscellaneous** field box to specify miscellaneous backup options.

- Move the switch next to *With OIDs* to the *Yes* position to include object identifiers as part of the table data for each table.
- Move the switch next to *Verbose messages* to the *No* position to instruct *pg\_dump* to exclude verbose messages.
- Move the switch next to *Force double quotes on identifiers* to the *Yes* position to force the quoting of all identifiers.
- Move the switch next to *Use SET SESSION AUTHORIZATION* to the *Yes* position to include a statement that will use a SET SESSION AUTHORIZATION command to determine object ownership (instead of an ALTER OWNER command).

Click the *Backup* button to build and execute a command based on your selections; click the *Cancel* button to exit without saving work.



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

If the backup is successful, a popup window will confirm success. Click *Click here for details* on the popup window to launch the *Process Watcher*. The *Process Watcher* logs all the activity associated with the backup and provides additional information for troubleshooting.

Process Watcher - Backing up the server

Backing up the server 'EDB Postgres Advanced Server 10 (localhost:5444)'...

Running command:

```
/opt/edb/as10/bin/pg_dumpall --file "/home/test" --host "localhost" --port "5444" --username "enterprisedb" --no-password --database "postgres" --verbose --role "enterprisedb"
```

Start time: Thu Feb 14 2019 14:23:52 GMT+0530 (India Standard Time)

Stop Process

pg\_dump: saving search\_path =  
pg\_dump: saving database definition  
pg\_dump: creating COMMENT "DATABASE template1"  
pg\_dump: creating SCHEMA "public"  
pg\_dump: creating COMMENT "SCHEMA public"  
pg\_dump: creating EXTENSION "edb\_dblink\_libpq"  
pg\_dump: creating COMMENT "EXTENSION edb\_dblink\_libpq"  
pg\_dump: creating EXTENSION "edb\_dblink\_oci"  
pg\_dump: creating COMMENT "EXTENSION edb\_dblink\_oci"  
pg\_dump: creating EXTENSION "pldbgapi"  
pg\_dump: creating COMMENT "EXTENSION pldbgapi"  
pg\_dump: creating ACL "pg\_catalog.TABLE session\_wait\_history"  
pg\_dump: creating ACL "pg\_catalog.TABLE session\_waits"  
pg\_dump: creating ACL "pg\_catalog.TABLE system\_waits"

Successfully completed.

Execution time: 1.03 seconds

If the backup is unsuccessful, review the error message returned by the *Process Watcher* to resolve any issue.