

# Tablespaces

# Tablespace

A tablespace is a location on the disk where PostgreSQL stores data files containing database objects e.g., indexes, and tables.

PostgreSQL uses a tablespace to map a logical name to a physical location on disk.

PostgreSQL comes with two default tablespaces:

- `pg_default` tablespace stores user data.
- `pg_global` tablespace stores global data.

Tablespaces allow you to control the disk layout of PostgreSQL.

- `CREATE TABLESPACE tablespace_name OWNER user_name LOCATION directory_path;`

`chown postgres:postgres /location`

[postgresql documentation](https://www.postgresql.org/docs/)

# ALTER Tablespace

- `ALTER TABLESPACE tablespace_name action;`
  - `ALTER TABLESPACE old_tablespace_name RENAME TO new_tablespace_name;`
  - `ALTER TABLESPACE tablespace_name OWNER to user_name;`

# DROP Tablespace

- `DROP TABLESPACE table_space;`
- `ALTER DATABASE test_database SET TABLESPACE pg_default;`

## Interview Questions