Pg_basebackup

1. General Options

Option	Description
-V, --version	Show pg_basebackup version and exit.
--help	Show help information and exit.

2. Connection Options

Option	Description
-h, --host=HOST	Specifies the primary PostgreSQL server hostname or socket directory.
-p, --port=PORT	Specifies the PostgreSQL server port number (default: 5432).
-U, --username=USERNAME	Specifies the PostgreSQL user for authentication.
-w, --no-password	Do not prompt for a password.
-W, --password	Force password prompt.
--slot=SLOT_NAME	Use a replication slot for the backup.
--no-slot	Do not use a replication slot.
--create-slot	Create a new replication slot before backup.

3. Backup Target Options

Option	Description
-D, --pgdata=DIR	Specifies the target directory for the backup.
-F, --format=FORMAT	Specifies the backup format:
p	Plain format (default, copies files directly).
t	Tar format (writes a .tar archive).
-R, --write-recovery-conf	Create a standby.signal file for replication.
--waldir=DIR	Store WAL files in a separate directory (only for plain format).

4. Backup Contents Options

Option	Description
-X, --wal-method=METHOD	Include WAL files in backup:
fetch	Copies WAL files after backup (default).
stream	Streams WAL while taking the backup.
none	Does not include WAL files (not recommended).
-c, --checkpoint=MODE	Specifies checkpoint behavior:
fast	Forces a fast checkpoint.
spread	Spreads out I/O load over a longer time.
--no-sync	Do not sync the backup data to disk.

5. Performance and Parallelism

Option	Description
-j, --max-rate=RATE	Limits the backup rate (in KB/s).
-P, --progress	Show progress while taking a backup.
--compress=METHOD[:LEVEL]	Compress backup using gzip or zstd.

6. Logging and Debugging

Option	Description
-v, --verbose	Enables verbose mode.