

Logical Replication

1❓ CREATE TABLE

Step	Command	Server
1	CREATE TABLE table_name (...);	Publisher
2	Same CREATE TABLE statement	Subscriber
3	ALTER PUBLICATION pub_name ADD TABLE table_name;	Publisher
4	Verify with SELECT * FROM pg_stat_subscription; and test insert	Subscriber

2❓ ALTER TABLE (Add Column)

Step	Command	Server
1	ALTER TABLE table_name ADD COLUMN column_name TYPE;	Publisher
2	Same ALTER TABLE on subscriber	Subscriber
3	No need to re-add to publication	N/A
4	Test insert into new column	Publisher and verify on Subscriber

3❓ ALTER TABLE (Drop Column)

Step	Command	Server
1	ALTER TABLE table_name DROP COLUMN column_name;	Publisher
2	Same ALTER TABLE on subscriber	Subscriber
3	No need to re-add to publication	N/A

4❓ ALTER TABLE (Change Column Type)

Step	Command	Server
1	ALTER TABLE table_name ALTER COLUMN col_name TYPE new_type;	Publisher
2	Same change on subscriber	Subscriber
3	Validate data inserts and type match	Both

5❓ CREATE INDEX

Step	Command	Server
1	CREATE INDEX idx_name ON table_name(column);	Publisher
2	Same command	Subscriber
3	Indexes are not required to match, but for performance/symmetry, keep them same	Optional

6❓ DROP TABLE

Step	Command	Server
1	ALTER PUBLICATION pub_name DROP TABLE table_name;	Publisher
2	DROP TABLE table_name;	Publisher
3	Same DROP TABLE on subscriber	Subscriber

7❓ TRUNCATE TABLE

Step	Command	Server
1	TRUNCATE TABLE table_name; Must explicitly enable TRUNCATE replication:	Publisher
2	ALTER PUBLICATION pub_name SET (publish = 'insert, update, delete, truncate');	Publisher
3	Manually TRUNCATE on subscriber if not using publish = truncate	Subscriber (manual)

8❓ CREATE/DROP SCHEMA

Step	Command	Server
1	CREATE SCHEMA schema_name; or DROP SCHEMA schema_name CASCADE;	Publisher
2	Same command	Subscriber

9❓ ALTER TABLE RENAME (Column/Table)

Step	Command	Server
1	ALTER TABLE table_name RENAME TO new_name;	Publisher
2	Same rename on subscriber	Subscriber
3	Update publication: ALTER PUBLICATION pub_name ADD TABLE new_name;	Publisher
4	(Optional) Remove old table name from publication	Publisher