AnovaCloud

FREE PRACTITIONER PACK

SQL Server → PostgreSQL Migration Pack

Applications decide the schedule, not databases. Map every connection before wave 1.

Pack	SQL Server → PostgreSQL Migration Pack
Document	Application dependency questionnaire (18 questions)
Date	2026-09

HOW TO USE

How to use

Run this with every application owner, not just the DBA team. One questionnaire per application. An application with no named owner is a program risk by itself.

Complete one copy per application that touches an in-scope database. Attach the connection-string locations and the sign-off owner's name.

APPLICATION QUESTIONS

Application questions

Q1. How many distinct applications connect to the in-scope databases, and who owns each connection string?

Evidence: application dependency map with owners.

Q2. For each application: ORM, stored procedures, or raw SQL — and who owns the data-access code?

Evidence: per-application data-access inventory.

Q3. Which applications embed database-specific SQL (hints, TOP, proprietary functions) vs. portable SQL?

1 2 3 4 5 Maturity 1-5 (1=Ad hoc, 2=Repeatable, 3=Defined, 4=Managed, 5=Optimized)

Evidence: code-search findings or ORM dialect review.

Q4. Are connection strings centralized (vault/config service) or scattered across app configs?

☐ Yes ☐ Partially ☐ No

Evidence: sample of connection-string locations.

Q5. Do applications rely on SQL Server-specific connection behaviors (MARS, snapshot isolation defaults, case-insensitive search)?

Evidence: connection-string audit.

Q6. Which applications use distributed transactions (MSDTC) or cross-database queries?

Evidence: list with transaction scope per app.

Q7. Can each application tolerate a maintenance window, or is near-zero-downtime cutover required?

1	2	3	4	5

Maturity 1-5 (1=Ad hoc, 2=Repeatable, 3=Defined, 4=Managed, 5=Optimized)

Evidence: per-application RTO/RPO and change-window policy.

Q8. Which third-party or vendor applications sit on SQL Server, and are they certified on PostgreSQL?

Evidence: vendor compatibility matrix per app.

Q9. Do reporting/BI tools connect directly (SSRS, Power BI, Tableau)? What replaces each connection?

Evidence: BI inventory with target per report.

Q10. Are there batch jobs or ETL processes outside SQL Agent (cron, Windows Task Scheduler, Control-M)?

Evidence: job inventory beyond SQL Server.

Q11. Which applications write to the database during the planned cutover window — and can writes be paused or queued?

1 2 3 4 5 Maturity 1-5 (1=Ad hoc, 2=Repeatable, 3=Defined, 4=Managed, 5=Optimized)

Evidence: write-traffic analysis per app.

Q12. Do applications cache database-generated values (identity keys, timestamps) that could collide after migration?

☐ Yes ☐ Partially ☐ No

Evidence: caching design review notes.

Q13. Are database credentials per-application with least privilege, or shared sa/app accounts?

1 2 3 4 5 Maturity 1-5 (1=Ad hoc, 2=Repeatable, 3=Defined, 4=Managed, 5=Optimized)

Evidence: login-to-application mapping.

Q14. Which applications depend on SQL Server Agent jobs, and who owns the job logic after migration?

Evidence: job-to-application mapping.

Q15. Is there a test environment per application where migrated-database regression can run?

☐ Yes ☐ Partially ☐ No

Evidence: environment inventory.

Q16. Who signs off per application that the migrated database is production-ready?

Evidence: named sign-off owners.

Q17. Are feature flags or dual-write patterns available for gradual traffic shifting?

☐ Yes ☐ Partially ☐ No

Evidence: architecture review notes.

Q18. What is the rollback expectation per application if the cutover fails?

Evidence: per-app rollback note.