

# SQL Server → PostgreSQL Migration Pack

Discovery questionnaire — score each item honestly; low scores are the point: they show where the program will hurt.

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|------------------------|-----------------------------------------------|
| <b>Pack</b>            | SQL Server → PostgreSQL Migration Pack        |
| <b>Document</b>        | Discovery questionnaire (24 questions)        |
| <b>Response scales</b> | Maturity 1–5 · Yes / Partially / No · Written |
| <b>Date</b>            | 2026-09                                       |

AnovaCloud — Engineering the AI-Native Enterprise. Frisco, Texas. This pack is a working instrument, not a brochure: complete it with your team, score honestly, and bring it to your discovery call. © 2026 AnovaCloud.

## HOW TO USE

### **Run this like a workshop, not a survey**

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Complete it with the stakeholders named in each section's intro. One scribe, one room (or call), 90 minutes. Score from evidence — monitoring data, documents, demos — not opinions. Any item scoring 1–2 is a program risk: it needs an owner and a close date before you commit budget. Bring the scored questionnaire to your discovery call; it compresses weeks of fact-finding into one session.

## 1 · ESTATE & INVENTORY

### Estate & inventory

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You cannot plan what you have not counted.

**Q1. How many SQL Server instances and databases are in scope, and is the inventory complete and current?**

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Evidence: attach the estate spreadsheet or CMDB export.

**Q2. For each database: what is its size, growth rate, and edition (Standard/Enterprise)?**

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Evidence: recent sizing report or monitoring snapshot.

**Q3. Which SQL Server versions are running, and which are out of extended support?**

|                          |     |                          |           |                          |    |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|
| <input type="checkbox"/> | Yes | <input type="checkbox"/> | Partially | <input type="checkbox"/> | No |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|

Evidence: version matrix per instance.

**Q4. Are all instances, including dev/test and shadow IT, captured — or only production?**

|                          |                          |                          |                          |                          |                                                                          |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Maturity 1-5 (1=Ad hoc, 2=Repeatable, 3=Defined, 4=Managed, 5=Optimized) |
| 1                        | 2                        | 3                        | 4                        | 5                        |                                                                          |

Evidence: describe how the inventory was validated.

## 2 · WORKLOAD PROFILE

### Workload profile

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Migration difficulty lives in the workload, not the database count.

#### Q5. What share of workloads is OLTP vs. reporting/analytical vs. batch?

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Evidence: top-10 databases by CPU and I/O with workload type.

#### Q6. Peak throughput requirements (transactions/sec, concurrent sessions) per critical database?

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Evidence: monitoring data from a representative peak window.

#### Q7. Which databases use T-SQL features with no direct PostgreSQL equivalent (CLR, Service Broker, Change Tracking specifics, filestream)?

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Evidence: feature-scan output per database.

#### Q8. How heavily do applications rely on SQL Server-specific behavior (identity columns, MERGE semantics, locking hints)?

|   |   |   |   |   |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

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

Evidence: code-search or ORM mapping review notes.

### 3 · LICENSING & ECONOMICS

## Licensing & economics

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The business case must survive finance scrutiny.

**Q9. What is the current annual SQL Server licensing + Software Assurance spend?**

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Evidence: true-up or EA summary figures.

**Q10. What is the fully-loaded run cost of the target PostgreSQL topology (compute, storage, managed-service premium, support)?**

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Evidence: draft target architecture with priced components.

**Q11. What is the one-time migration cost estimate (tooling, engineering time, dual-run, app remediation)?**

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Evidence: bottom-up estimate or analogous program actuals.

**Q12. Has a 3-year TCO comparison (stay vs. migrate) been built and reviewed with finance?**

☐ Yes    ☐ Partially    ☐ No

Evidence: link or attach the model.

#### 4 · APPLICATION COUPLING

### Application coupling

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Applications decide the schedule, not databases.

**Q13. How many applications connect to each in-scope database, and are connection strings centralized?**

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Evidence: application dependency map.

**Q14. Do applications use ORMs, stored procedures, or raw SQL — and who owns the data-access code?**

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Evidence: per-application data-access inventory.

**Q15. Are SSIS packages, SSRS reports, or linked servers in play? What replaces each?**

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Evidence: SSIS/SSRS inventory with disposition per item.

**Q16. Can applications 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.

**5 · HA/DR & OPERATIONS****HA/DR & operations**

PostgreSQL operations are not SQL Server operations with different syntax.

**Q17. What are the current HA/DR topologies (Always On AGs, log shipping, mirroring) and RPO/RTO per tier?**

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Evidence: topology diagrams per tier.

**Q18. What is the backup/restore strategy today, and has a PostgreSQL-native equivalent (pgBackRest, WAL archiving, PITR) been designed?**

|   |   |   |   |   |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

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

Evidence: draft backup architecture.

**Q19. Does the team have production PostgreSQL operating experience (vacuuming, WAL, replication lag, connection pooling)?**

|   |   |   |   |   |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

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

Evidence: training plan or hiring plan.

**Q20. Are monitoring, alerting, and runbooks defined for the PostgreSQL target (or only for SQL Server)?**

|                          |     |                          |           |                          |    |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|
| <input type="checkbox"/> | Yes | <input type="checkbox"/> | Partially | <input type="checkbox"/> | No |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|

Evidence: monitoring gap analysis.

## 6 · MIGRATION CONSTRAINTS & RISK

### Migration constraints & risk

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Name the constraints early or they will name themselves late.

**Q21. What is the maximum acceptable cutover downtime per workload tier?**

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Evidence: business-signed downtime budgets.

**Q22. Is a rollback path defined and rehearsed for each wave (and what triggers it)?**

|   |   |   |   |   |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

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

Evidence: rollback runbook draft.

**Q23. Which regulatory or contractual constraints affect data movement (residency, encryption, audit)?**

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Evidence: compliance requirements list.

**Q24. Who is the single accountable owner for the migration program end to end?**

|                          |     |                          |           |                          |    |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|
| <input type="checkbox"/> | Yes | <input type="checkbox"/> | Partially | <input type="checkbox"/> | No |
|--------------------------|-----|--------------------------|-----------|--------------------------|----|

Evidence: named owner with decision authority.

## SCORING

### **Read the pattern, not just the average**

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Average each section. Sections averaging below 3 are your critical path — sequence the project plan so those risks close first. A single 1 on a load-bearing question (downtime budget, rollback, access control) outweighs a 4 average elsewhere. Record owners and close dates below.

**Lowest-scoring section:**

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**Single biggest risk:**

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**Owner:**

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**Close date:**

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