

SQL Server → PostgreSQL Migration Pack

Eighteen checks. Nothing proceeds until every box is honestly ticked.

Pack	SQL Server → PostgreSQL Migration Pack
Document	HA/DR assessment (18 checks)
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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

How to use

Assign an owner per check. A check is done when there is evidence — a script, a diagram, a rehearsal log — not when someone says it is.

ASSESSMENT CHECKS

Assessment checks

- ☐ **Current topology mapped**
Every AG, mirror, or log-shipping topology diagrammed with sync mode and failover history.
- ☐ **RPO/RTO per tier**
Recovery objectives signed per workload tier — these drive the target design, not the other way around.
- ☐ **Sync vs async decided**
Synchronous replication chosen only where the latency cost is measured and accepted.
- ☐ **Target HA design**
PostgreSQL HA selected: Patroni, repmgr, or managed failover — with a written rationale.
- ☐ **Quorum/witness**
Odd-node quorum or witness defined; split-brain prevention is explicit, not assumed.
- ☐ **Listener replacement**
AG listener replaced with PgBouncer/HAProxy or managed endpoint; connection failover tested.
- ☐ **Automatic failover tested**
Failover rehearsed in non-prod; failover time measured against RTO.
- ☐ **Replication lag SLO**
Maximum acceptable lag defined with alerting; lag tested under peak load.
- ☐ **Backup strategy**
pgBackRest/Barman (or managed) configured: full + incremental + WAL archiving, tested restores.
- ☐ **PITR validated**
Point-in-time recovery rehearsed to a chosen timestamp; RPO proven, not claimed.
- ☐ **DR region/site**
DR topology, replication to DR, and DR failover procedure documented and rehearsed.
- ☐ **Failback procedure**
Failback to primary written and rehearsed; replication re-established cleanly.
- ☐ **Connection routing**
Applications route through the HA endpoint; no hard-coded primary hostnames.
- ☐ **Fencing/STONITH**
Failed primary fencing configured so two writers can never run concurrently.
- ☐ **Monitoring**
Replication lag, replica health, and backup age on the same dashboards as application health.



Runbooks

Failover, failback, and restore runbooks written for PostgreSQL — not adapted SQL Server ones.



License/edition impact

HA design re-checked against managed-service limits (read replicas, failover SLAs).



Decommission

Old AGs decommissioned per wave only after the new HA proves stable for one full cycle.