**OPS-3 — Performance & load plan**

**Status:** **New**

**Intent**  
Prove Partner Store meets scale targets (1M partners, bulk 50k) with repeatable tests and alertable budgets.

**Preconditions**

* Seed generators for partners/sites/edges/docs.
* Synthetic tenants (Small/Med/Large).

**Flow**

1. **KPIs**:
   * Search P95 ≤1 s @ 1M partners (complex filters).
   * Merge <2 s; create/update ≤500 ms; bulk 50k within target window.
2. **Data build**: create synthetic corpora (names in multiple scripts, addresses, KYC docs).
3. **Scenarios**: search storms, bulk import, merge waves, rescreen bursts.
4. **Env parity**: run in prod-like env; pin versions; collect traces.
5. **Tune**: add indexes, denormalize hot aggregates, cache common filters; re-test.
6. **Budget & alerts**: error-budget burn charts; SLO alerts to on-call.

**Edge cases**

* Noisy neighbor: cap tenant % of capacity; test fairness.
* Cold start: measure first-query penalties and warmers.

**Done when**

* KPIs met with headroom; dashboards published; alerts firing correctly.
* Runbook: what to scale when (DB, cache, workers).

**Deliverables**  
Perf plan doc, test scripts, Grafana/Looker dashboards.