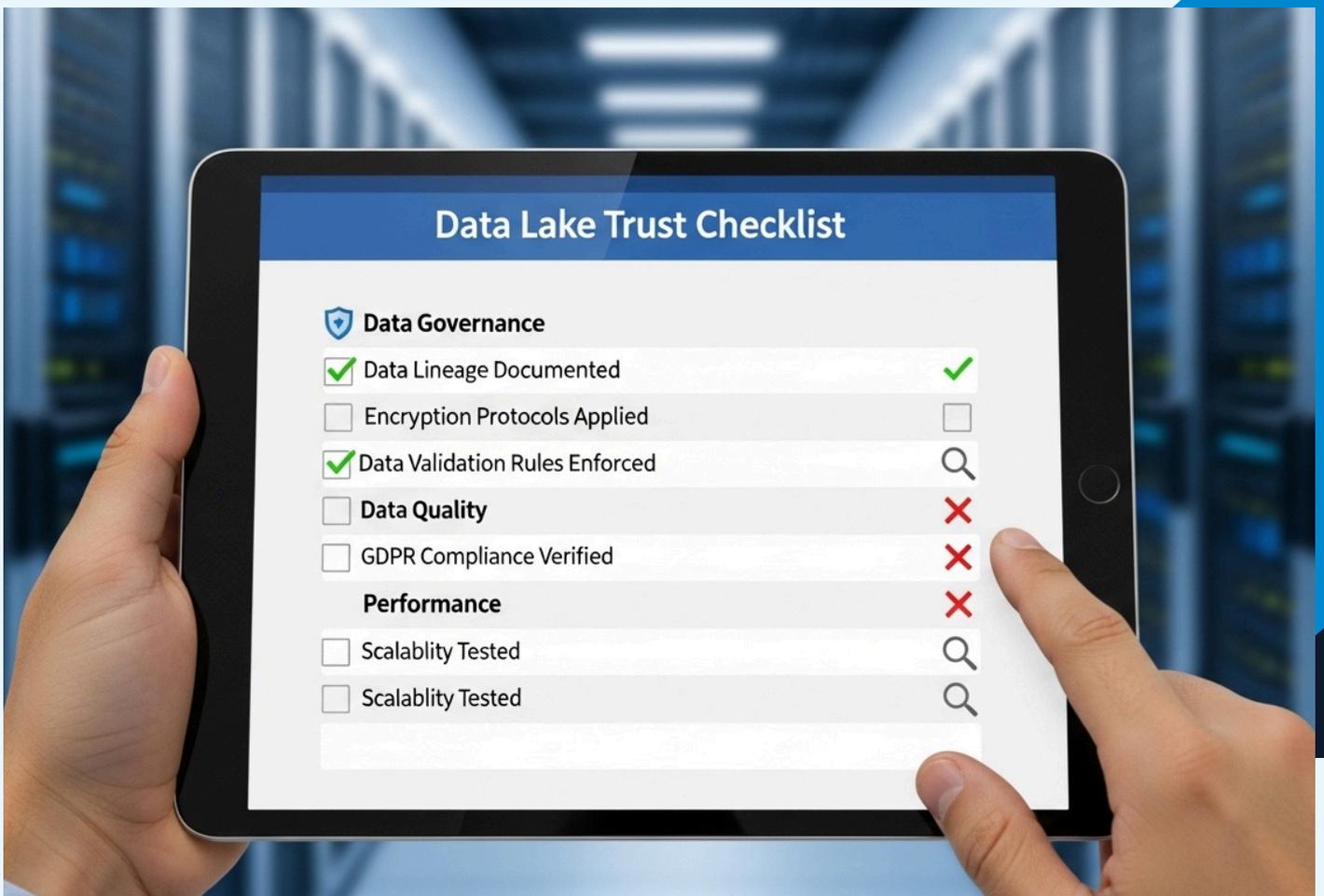


Data Lake Trust Audit Checklist

A practical framework for evaluating whether your data lake or lakehouse can produce reproducible answers, support trustworthy AI outcomes, and withstand regulatory scrutiny.



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How to use this checklist

Mark each item Pass, Partial, or Fail. Prioritize remediation for high-impact KPIs, sensitive data domains, and AI workloads.

Authority & System of Record

- Authoritative sources defined for top KPIs**
Example: ARR, churn, revenue, active customer.

- Metric definitions are versioned and published**
No silent semantic drift.

Lineage & Provenance

- End-to-end lineage available**
Trace from source → transformation → report/model.

- Transformation history recoverable**
Evidence pack ready for audits/incidents.

Policy-Aware Governance

- Access controls enforced at query time**
Row-level security, masking, purpose-based access.

- Sensitive data classes identified**
Know where regulated data lives.

AI & LLM Readiness

- Approved retrieval datasets defined**
Curated RAG context reduces hallucination risk.

- Grounding metadata attached**
Definition, freshness, provenance, policy.

Disclosure: This checklist is provided by Solix Technologies and is intended as a practical audit aid.