

CLOUD MIGRATION READINESS CHECKLIST

for Enterprise CIOs**

This checklist helps CIOs and technology leaders assess whether their systems, teams, and operations are prepared for cloud migration. It covers workloads, dependencies, security, compliance, performance, cost, and operational readiness. Review each item and use this as a guide to identify current strengths and migration risks.

Organization Name: _____

Workload & Architecture

- ☐ Applications, databases, and services are clearly inventoried
- ☐ Resource usage (CPU, RAM, storage) is benchmarked
- ☐ Runtime, OS, and frameworks are cloud-supported
- ☐ Architecture supports containerization or modernization
- ☐ Test, staging, and production environments are aligned

Security, Identity & Governance

- ☐ IAM/SSO integrates with cloud authentication models
- ☐ Encryption covers data in transit and at rest
- ☐ Vulnerability scanning and patching are up to date
- ☐ Secrets are stored in vaults or KMS-compatible systems
- ☐ Audit logs and access controls are well defined

Data Residency & Compliance

- ☐ Data residency requirements are identified
- ☐ Sensitive data (PII, PHI, PCI) is classified
- ☐ Regulatory frameworks (GDPR, SOC, ISO) are mapped
- ☐ Retention and archival rules are documented
- ☐ Logging and audit requirements are supported

Performance & Reliability

- ☐ Peak loads and seasonal usage patterns are understood
- ☐ SLAs for uptime, RTO, and RPO are documented
- ☐ Latency requirements are identified
- ☐ Autoscaling and elasticity needs are defined
- ☐ DR and failover strategies are cloud-ready

Next Steps

If your score is below 20, your environment may require deeper readiness analysis to avoid migration risks, cost overruns, or operational disruption.

For a structured cloud readiness workshop or modernization guidance, connect with the Anubavam team.

Integration & Interoperability

- ☐ Upstream and downstream systems are documented
- ☐ Integration patterns (APIs, events, files) are known
- ☐ Dependencies and coupling levels are mapped
- ☐ Legacy batch jobs or schedulers are identified
- ☐ Vendor systems support cloud connectivity

Cost & Financial Forecasting

- ☐ Cloud TCO estimate is prepared
- ☐ Backup, DR, network, and egress costs are included
- ☐ Licensing implications are evaluated
- ☐ Savings plans or reserved instance options considered
- ☐ Future scaling and growth costs forecasted

Operational Change & Cutover Readiness

- ☐ Runbooks and SOPs updated for cloud operations
- ☐ Support teams trained (L1-L3) on cloud tooling
- ☐ Monitoring and alerting pipelines configured
- ☐ Cutover and rollback plans documented
- ☐ Communication and escalation paths prepared

Scoring Guide

0-10	At Risk – High complexity, unclear readiness
11-20	Developing – Foundations exist, but gaps remain
26-30	Cloud-Ready – Strong structure with manageable risks
31-35	Cloud-Ready – Strong structure with manageable risks

