Virtualization Migration Framework

Keyva applies a structured, workload validated approach to virtualization platform replacement that helps organizations make informed, high confidence decisions.

Modernizing your virtualization platform is not simply a technology decision. It is a high risk, high impact transformation that affects performance, operations, cost, and long term flexibility. Decisions made at this layer can have multi million dollar implications across the organization

Traditional approaches often fall short by relying on vendor positioning or theoretical architectures. Keyva's approach is designed to reduce risk and improve outcomes through evidence, validation, and measurable results.

Keyva's Virtualization Migration Framework and Assessment provides a structured, data driven decision framework built to ensure confidence before committing to change. The framework aligns virtualization strategy with platforms that demonstrate long term viability, strong technical alignment to your use cases, and cost effectiveness.

The assessment includes:

- A standardized evaluation framework across critical technical and operational domains
- Real workload validation using representative systems such as databases, containers, and streaming platforms
- Quantified scoring and benchmarking to enable objective comparison
- Financial and operational impact analysis to understand cost, effort, and long term implications

This approach ensures decisions are based on validated performance and measurable data.

Our Differentiator

Traditional assessments often rely on vendor claims and theoretical architecture reviews. Keyva's approach is grounded in evidence, validation, and real-world performance.

- Structured evaluation across more than 15 capability domains
- Objective, weighted scoring model with defined threshold criteria
- Real-world workload testing, including PostgreSQL, Kubernetes, and Kafka
- Like-for-like performance comparison against your currentvirtualization environment
- Decisions supported by backed by measurable data

Scope of Evaluation

The assessment evaluates each platform across the following dimensions:

- Virtual machine and container platforms
- Networking, storage, and security capabilities
- Operational maturity and Day-2 readiness
- Migration feasibility and supporting tooling
- Performance, scalability, and resilience
- Observability and automation
- Licensing model and total cost of ownership

Workload-Based Validation

To ensure real world applicability, candidate platforms are validated against representative, production like workloads, including:

- Stateful database workloads, such as PostgreSQL
- Containerized application workloads, based on Kubernetes
- High throughput streaming workloads, such as Kafka

Each workload is evaluated across the following criteria:

- Performance and stability under load
- Scaling behavior and elasticity
- Failure recovery and resilience
- Storage and network characteristics
- Operational complexity and Day 2 considerations

Deliverables

The assessment produces clear, structured deliverables designed to support objective comparison, informed decision making, and execution planning.

- Standardized evaluation framework and scoring model
- Detailed workload validation and proof of concept test plan
- Comparative vendor scorecards
- Performance benchmarking results
- Cost and licensing analysis, including total cost of ownership
- Migration strategy and phased roadmap
- Executive level decision recommendation

Business Outcomes

Keyva enables faster, lower risk decisions while aligning technical findings with business priorities.

- Confident platform selection supported by objective data
- Reduced migration risk and uncertainty
- Clear visibility into cost versus value tradeoffs
- Accelerated and aligned decision making
- Alignment across infrastructure, platform, and application teams