

Strategic Data Center Migration & Modernization

Transforming Infrastructure for Agility and Cost Efficiency

Presented for: Global Tech Firm

Presented by: Senior Director, Cloud Strategy & Architecture,
Microsoft

Executive Summary: The Case for Change

Challenge:

- Aging on-premises hardware increasing failure risks.
- Capital-intensive (CapEx) model limiting financial flexibility.
- Lack of agility to support rapid business growth.

Strategic Value:

- **30% TCO Reduction:** Projected savings over 3 years by shifting to OpEx.

Leadership & Strategic Challenges

Navigating Complexity:

- **Stakeholder Alignment:** Negotiated migration windows across 5 business units, balancing uptime with lease exit deadlines.
- **Cultural Transformation:** Led the shift from "Server Hugging" to "Cloud Governance" for the Ops team.
- **Risk Mitigation:** Championed a "Pilot-First" strategy to secure C-level confidence before mass migration.

Solution Architecture: Secure & Scalable Migration

Core Components:

- **Azure Migrate:** Centralized discovery, assessment, and migration hub.
- **Hybrid Connectivity:** ExpressRoute (Primary) + VPN Gateway (Backup) for seamless data transfer.
- **Security:** Identity via Azure AD Hybrid Sync; Encryption at rest and in transit.

Business Outcomes & Success Metrics

Key Performance Indicators (KPIs):

- **Cost Efficiency:** 30% reduction in total cost of ownership.
- **Operational Resilience:** 99.9% availability SLA with Geo-Redundant Storage (GRS).
- **Migration Velocity:** Zero business downtime during cutover windows.

Next Steps:

1. Finalize Azure Migrate assessment

Upendra Kumar - Azure Solutions Architect | Leadership Portfolio

2. Establish timeline & milestones

Visual Journey: The Strategic Path



Thank You

Let's Build the Future of Cloud Together

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[Portfolio Site](#)