

FREE SAMPLE – FIRST 3 PAGES

MAINFRAME & CLOUD ARCHITECTURE MIGRATION PLAYBOOK

Advanced Execution & System Coexistence Frameworks for Enterprise Tech Leaders

By Olufemi Oluwole Adeleke

Excerpt: Part I — Legacy Migration Pathways

This 65-page enterprise operational manual covers legacy z/OS migration paths, microservice decoupler bottlenecks, and event-driven Change Data Capture (CDC) systems designed for zero enterprise downtime.

IBM MQ Decoupler & Apache Kafka Cluster Sizing

Enterprise mainframe workloads cannot be lifted-and-shifted without a decoupling layer. This section maps the exact queue depth thresholds, consumer group partitioning ratios, and MQ-to-Kafka bridge configurations required to sustain transactional throughput during a phased cutover — without triggering downstream backpressure on core banking or ERP systems.

Field-Level Tokenization & Cryptography Layouts

Sensitive fields migrating out of mainframe datasets must be tokenized before they ever touch a cloud-native store. This section details AES-256 validation checkpoints, key rotation cadences, and the tokenization vault architecture used to keep PCI and PII data compliant across the migration boundary.

— Continued in the full 65-page manual —

Get the Complete Playbook

The full manual expands every framework referenced above into deployable runbooks, including:

- Subsecond Multi-Region Database Replication Architecture
- Active-Active Hybrid Resiliency Operations to eliminate systemic transitions
- Complete Kafka cluster sizing worksheets and MQ bridge configuration templates
- Field-level tokenization vault build guides with AES-256 key rotation schedules

Engineered exclusively for CTOs, Enterprise Systems Engineers, and IT Directors managing high-stakes cloud architecture transformations.

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