

DATA MIGRATION STRATEGIES FOR SEAMLESS ERP SYSTEM UPGRADES

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ABSTRACT

Data migration is a critical component of seamless upgrades in Enterprise Resource Planning (ERP) systems, directly impacting business continuity and operational efficiency. This paper explores various data migration strategies that facilitate effective transitions to upgraded ERP environments. We begin by outlining the importance of meticulous planning and execution during the migration process, emphasizing the need for comprehensive data mapping and validation. Key strategies such as incremental migration, parallel running, and phased rollout are discussed in detail, highlighting their benefits and challenges.

Incremental migration allows organizations to move data in manageable segments, reducing the risk of disruption. In contrast, parallel running enables the simultaneous operation of old and new systems, ensuring that discrepancies can be identified and rectified in real-time. The phased rollout approach is beneficial for large enterprises, permitting gradual adoption of the new system while maintaining legacy processes.

Moreover, the role of advanced tools and technologies, including data cleansing and transformation solutions, is examined, demonstrating how they enhance data integrity and reduce the likelihood of errors. The paper also addresses the significance of user training and change management as essential components for ensuring successful data migration.

In conclusion, adopting a tailored data migration strategy is crucial for organizations aiming to upgrade their ERP systems smoothly. By leveraging the appropriate techniques and tools, businesses can minimize downtime, enhance data quality, and ultimately achieve a more streamlined operational framework post-migration.

KEYWORDS: *Data Migration, ERP System Upgrades, Data Mapping, Incremental Migration, Parallel Running, Phased Rollout, Data Integrity, Data Cleansing, Change Management, Operational Efficiency.*

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