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A comprehensive checklist to plan a successful migration

Credits

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Most of the DSPs opt for migration but fail to migrate effectively

Major business drivers for DSPs leading to migration



Mergers & Acquisitions (M&As) of business unit/organization trigger inevitable process changes



Improving efficiency, performance, and scalability of a software application



Offering better customer service by adopting a new technology, market practice and regulatory requirements



Reducing operational cost by streamlining & removing bottlenecks in application process.



Major challenges faced by DSPs in migration



Failures and delays: According to Gartner, **more than 83%** of migration projects either fail or exceed schedules

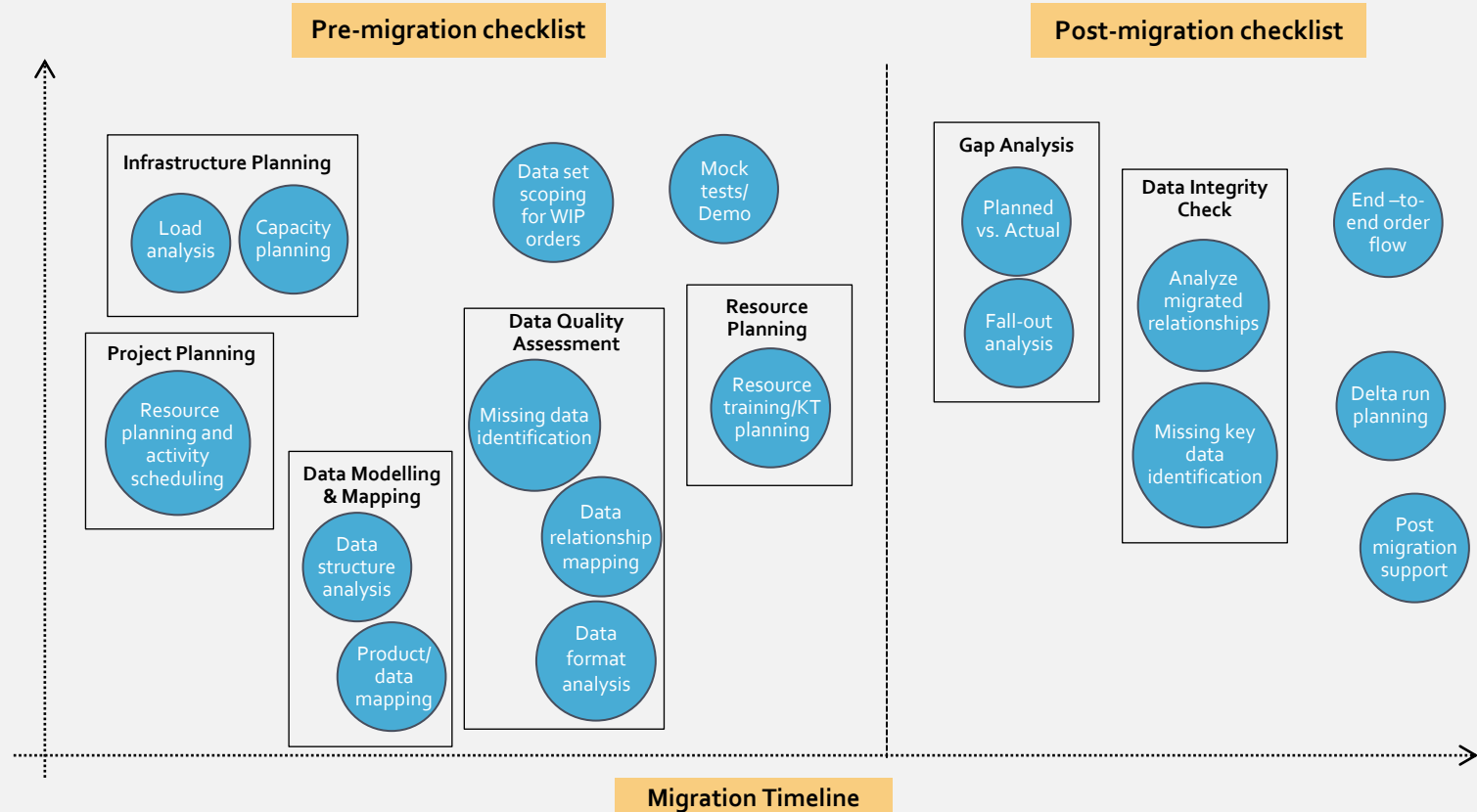


Cost: According to research reports, **more than 80%** of migration projects exceed budgets by an average of 30%

Almost all migrations face similar issues. This article provides a handy check-list of pre and post migration activities that can help DSPs in successful order management migration.



Pre- and post-migration activities' checklist for efficient migration



Pre- and post-migration activities' checklist for efficient migration

1 2 3

Pre-check: Key areas to consider before migration

Completed project planning sheet

Resource planning and activity scheduling: Prepare RACI sheet for activity and resource planning and mapping.

Infrastructure planning

Load analysis on source and target systems: Load assessment on the source and target systems for capacity planning on target system.
Load analysis tools like **JMeter** can be used to perform the load assessment on source and target systems.

Capacity planning on target system: Based on the load analysis report, provision the required capacity on target system.

Data modeling and mapping

Data structure analysis: Analyze data structure on source and target systems and identify gaps.

Product/data mapping: Map the data/product information from the source system with the target system for smooth troubleshooting.
Data modeling tools like **Magic Draw** and **AcceloPRO** can generate automated code that helps in analyzing the source data model vs. target data model for effective mapping.

Data quality check

Missing fields and relationships identification: Run data quality assessment (DQA) scripts to check missing values and broken relationships on source systems' order data.

Data format analysis: Analyze the gaps between the data formats of source and target systems' order data e.g. Address format (MSAG or OBF).
Customized PL/ SQL-based automated **data quality assessment (DQA) scripts** can be used to check issues related to missing fields, primary/foreign key, relationship mapping and data format.

Data set scoping for WIP orders

Analyse the average time required for order conversion to plan the system cut-off date to keep the count of WIP orders low.

Mock tests and customer demo

Analyze build quality and mock test success in order to identify exceptions and limitations. The same could be demonstrated to the customer.

Resource training/ KT planning

Plan training and KT requirements and timelines before migration.

*MSAG- Master Street Address Guide; OBF- Ordering and Billing Forum; WIP- Work in Progress

Post-check: Key areas to consider after migration

Gap analysis

Planned vs Actual: Analyze the gap- number of records and tables planned for migration and number of records and tables actually migrated. Prepare a fallout report for further analysis.

Fallout analysis: Analyze the fallout report to find out the causes. Plan to migrate missing data through delta runs or physical entry, based on number of missing records and issues.

Data integrity check

Identification of missing values: Check for missing tables/relationships/values in the migrated orders.

Migrated relationship analysis: Analyze the migrated data and check for missing relationships. Use **data integrity assessment (DIA) scripts** to identify data integrity issues in migrated orders. Automated DIA scripts check for issues related to data completeness, accuracy and relationships in migrated orders to ensure smooth end-to-end order flow.

End-to-end order flow analysis

A real-time customer **order journey tracker tool** can help to identify the orders that are stuck in any of the stages through real-time view of order fallouts and order status of entire order to activation (O2A) cycle. The tool should also be able to send alarms and notifications based on the threshold set for different stages of O2A cycle.

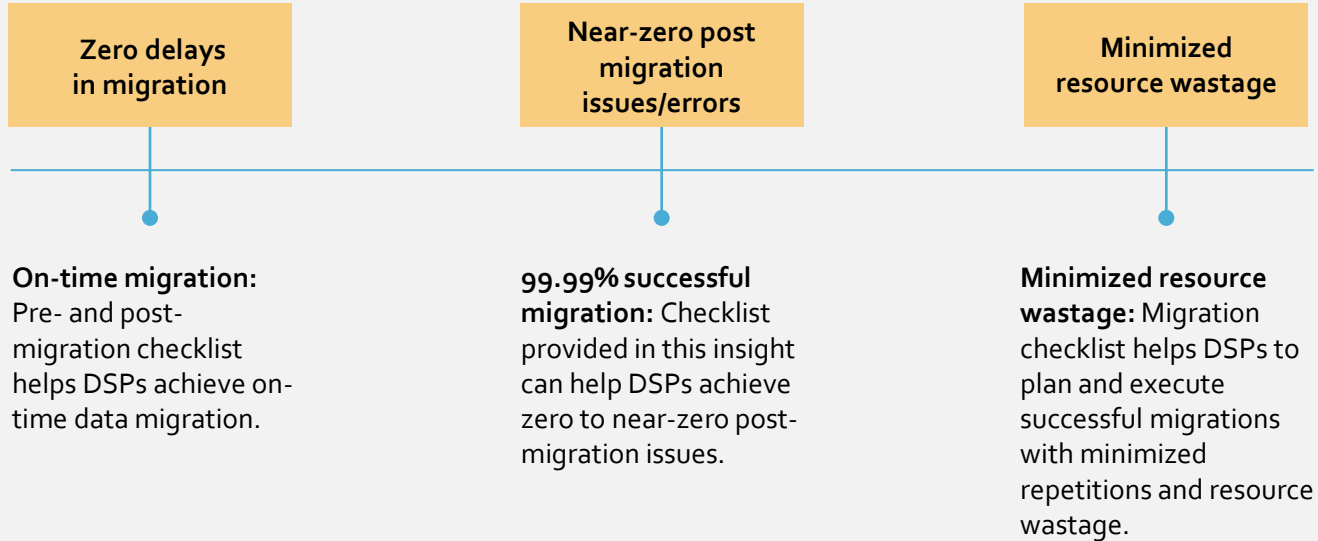
Delta run planning

Plan delta runs to migrate missing information/orders/tables from the source system.

Post-migration support planning

Plan the post-migration support for the agreed time-period to ensure end-to-end O2A lifecycle.

Business benefits





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THANK YOU!

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