

Service Data migration



We will guide you successfully to your goal!

Data migrations.

We transfer your business data from one or more systems into a new target system. With our process model and tools we migrate your data systematically, quickly and with quality assurance. We carry out your data migration project from planning over loading to using the data in the target system. Our data migration experts ensure that your business data arrives complete, correct and with integrity in the target system.

Motivation

Data migration includes the transfer of data from one system to another. Data migrations mainly take place due to restructuring, system consolidation or system modernization. In cases where the co-existence of several redundant systems is still desired, but the master data should be kept consistent, it is better to choose a master data management approach. In all other cases, data migration makes sense.

Goals

The overall goal of a data migration project is to increase the performance and competitiveness of a company. This requires modern systems and fast data access. From a business perspective, data migration is primarily about ensuring that all relevant business data are migrated correctly and completely from an old system to the new system and the further work in the new system is guaranteed.

Strategies

Most data migration strategies fall into one of these two categories: "big-bang" or "trickle".

Big-bang migration

In a big bang migration, the complete data transfer takes place within a limited time window. The live systems are not available while the data are being unloaded from the source system, transformed and transferred to the target system.

Trickle migration

In trickle migrations, the migration process takes place in several phases. During implementation, the old and new systems run in parallel, so there are no downtime or operational interruptions. Since the processes are executed in real time, the migration of data can be continuous.

Success factors.

Data migration projects are typically complex. It requires a clear strategy, proper planning and expert implementation. To determine the appropriate data migration approach for an organization, the individual business requirements of the organization must be considered. Regardless of the implementation strategy, it is recommended that the following best practices be considered for any data migration.

Requirements

The business requirements for the data to be migrated must be discussed and recorded with the departments of the customer organization. The same applies to the technical requirements of the target systems.

Scope

The breadth and depth (history) of the data to be migrated must be agreed and defined with the customer. Legal and regulatory framework conditions must be taken into account.

Data knowledge

For the data mapping between source and target system, the data model, data structure and data itself must be analyzed and understood. This provides important insights for mapping and technical implementation early in the process.

Data cleansing

Incorrect or incomplete data should be corrected (if possible) in the legacy system and data redundancies should be avoided because 'unclean data' will have an increased impact during the transition to a new, more complex system.

Software and tools

In addition to a structured process, the data migration plan should define a process to provide appropriate software and tools for the project.

Test migrations

The productive data migration at time x must function smoothly. Test migrations are used to iteratively test the migration procedure and the tools used, and to automate and fine-tune them on an ongoing basis.

Test levels

In order to ensure the completeness and correctness of the data to be migrated, it is important to test the data migration together with the customer using different test levels (visual tests, integration tests, acceptance tests).

Governance

Tracking and reporting on data quality is important because it provides a better understanding of data integrity. It is advisable to use user-friendly tools and processes for this, at least some of which are automated.

Data quality

The quality of the data decreases over time and become unreliable. In order to maintain data quality in the new system, sufficient control mechanisms must be installed (organizational and technical).

Our experience. Your advantage.

We have experience from 19 successfully implemented data migration projects within 5 years. During this time, we have developed and continuously professionalized a migration procedure with field-proven tools. The migration procedure can be easily adapted to the individual business requirements of your organization. You benefit from an experienced migration team with all the necessary "hard" and "soft" skills.

Our ideal data migration process comprises seven successive steps.

1 Identify relevant data

It is of paramount importance to 'clean out' the data in the legacy system before transferring it to the new system. Irrelevant data costs unnecessary time and money. Therefore, in the first step we identify with you which data objects, fields and data records are still relevant for your company.

2 Create mapping between source and target data model

Every system has its own data structures. With a suitable transformation tool, we build a bridge from the data structures of your source systems to the data structures in your target system.

3 Standardize and clean data

Before data is loaded into a new system, it should be standardized and cleaned. With our data quality management process, you generate high data quality in a structured manner.

4 Transform data

The previously created domain-oriented mappings are used in this phase to link the source data and transform it into the target data structure.

5 Perform test migrations

The complexity of a data migration is usually high. It is therefore necessary to carry out several test migration runs. And the system users have to test all business processes in the new system on the basis of the migrated data before a GO is given for the productive migration.

6 Customize data transformation

The findings from the test migrations are documented and measures are recorded. Adjustments and enhancements to the migration program (step 4) are implemented on an ongoing basis and verified with the next test migration. In this way, the quality of the data migration can be successively increased.

7 Plan and execute productive migration

Finally, detailed planning of the productive migration is necessary in order to maintain business operations despite the system change. As a rule, the users of the new system have to be trained. And a system freeze is necessary, during which no data is changed in the source systems.

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Solution-oriented
and strong in implementation.

We advise and support companies
in the transformation of their organization and IT.