DATA MIGRATION—WHAT IS IT AND WHY SHOULD YOU CARE?

Are you deploying a new enterprise application, such as SAP or Oracle E-Business Suite? Do you need to bring in data from new business acquisitions? If you answer yes to one of these questions, you will need to successfully execute a data migration project to transfer your source data into the desired system or database.

Since data migration typically deals with mission-critical data from applications that run your business operations, such as enterprise resource planning (ERP) or customer relationship management (CRM) applications, the proper execution of your data migration project can have a profound impact on your business. It’s important to properly plan, scope, and execute with the appropriate tools to ensure success. With a Business Objects data migration solution, you can lower your risks and better manage the complexities of your data migration project.

BUSINESS OBJECTS DATA MIGRATION SOLUTION

Manage Project Scope and Complexities, and Reduce Risk

Business Objects brings years of cross-industry best practices to your data migration project. We’ve identified the following requirements for a successful data migration:

- **Agile project management** to support complex requirements, interrelationships, and dependencies (such as harmonized reference data)
- An understanding of the current state of **data quality** requirements—and the need for trusted information
- An understanding of the **scope** of the effort (at the earliest phase of your project) to avoid the unexpected issues that may impact schedules
- Finally, a selection of the appropriate **enterprise product set**

DATA MIGRATION METHODOLOGY

Apply an Enterprise Information Management Strategy

First, determine the scope of each data migration based on the overall objectives and initiatives of your organization. Mapping business initiatives to your information management initiatives is the basis of your organization’s information strategy. What makes data correct and valid is determined by robust information standards processes. Only when the data is defined can it be deemed quality. Each time your company moves data, it encounters data quality risks—data could be incorrect in the legacy system, or compromised by inadequate business rules, coding errors, or a lack of reconciliation and...
balancing (daily audit) processes. The Business Objects data migration approach considers all facets of an enterprise information management (EIM) strategy and applies them to data migration. Key EIM considerations include:

1. **Information Strategy.** Ensure that your data migration strategy aligns with the overall business objectives that drive your project, and that you base your decisions and priorities on business needs.

2. **Data Standards.** Use data standards to understand the content of your current and target data sets. Create common definitions across the organization to support data consolidation.

3. **Data Integration.** Plan for scalable infrastructure that meets performance needs, testing and staging. Map and identify gaps between source and target applications.

4. **Data Quality.** Identify the quality of the legacy data and create a prioritized plan for cleansing and eliminating duplication where needed.

5. **Data Governance.** Identify measures for success and strategies for involving the data experts, who will largely come from the business community. Manage your dependencies to other projects and efforts.

**DATA MIGRATION SERVICES**

Business Objects data migration services enable you to:

- Create an agile project approach, so you can effectively react to aggressive schedules, dependencies, and changing priorities.
- Identify the risk (and impact) to achieving trusted information and data migration strategies of moving legacy data into a new system, including inconsistencies in content and latency of source data.
- Create a proven infrastructure that addresses the complexity of data sizing, staging, and optimization.
- Provide robust governance and project management components to address the complexity of multiple legacy sources mapping into one new application. Our data migration services help you gather business knowledge about accurate sources and values, track data lineage, and manage to the phased schedule of the larger application migration project.
- Provide a project scope that quantifies and qualifies risks, possible roadmaps, and the tradeoffs (decisions to be made) that enable your deadlines to be met.

![Data Migration Roadmap](image)

*Figure 2. The data migration roadmap.*

As part of our data migration services, we deliver:

- **Scope Definition Document** examines business requirements; data, integration architecture; infrastructure sizing, life cycle management, and optimization; identifying legacy sources (planning for multiple sources); target system analysis; gap analysis; and data mapping and migration planning.
- **Data Quality Assessment** provides analysis of source data quality issues and recommendations.

- **Data Migration Project Plan** delivers a strategy for data integration, data quality, standards, and governance with the recommended toolsets.

**BUSINESS OBJECTS PRODUCTS FOR DATA MIGRATION**

The following Business Objects products can help you with data migration:

- **BusinessObjects™ Data Insight**. Our data profiling tool helps you to understand your source data, and recognize any errors or omissions in the data. It also helps you estimate the effort and time required to bring source data up to standard.

- **BusinessObjects Data Quality**. Our data quality solution cleanses any kind of data, including customer, product, service, and beyond. It also identifies relationships between different sources, helping you consolidate and match records, and eliminate data duplication or inconsistencies.

- **BusinessObjects Composer**. Our web-based data mapping tool helps business and IT collaborate on data requirements and extract, transformation, and load (ETL) mappings, to improve the accuracy of the ETL design. Once ETL mappings are completed, it can be imported into BusinessObjects Data Integrator for tuning, testing, and deployment.

- **BusinessObjects Data Integrator**. Our enterprise data integration tool helps you access, transform, and move your data virtually anywhere. It offers specific features to help you validate data based on business rules and audits your data to ensure that the data migration jobs executed successfully. And, Data Integrator automatically documents your work. Metadata reports help you understand impact and lineage of data.

- **BusinessObjects Metadata Manager**. An open, metadata management tool to help you consolidate metadata from your source and target systems and data integration tools. You can then analyze this information for relationships such as impact and lineage.

![Figure 3. BusinessObjects Data Integrator offers data validation capabilities.](image-url)