

## Data Switch

Data Switch is a purpose-built platform that automates and guides the end-to-end migration of SAP BW landscapes to SAP's modern data stack, including Business Data Cloud, Datasphere, SAP Databricks and SAC. It goes beyond standard tools by combining automated inventory, complexity assessment, and AI-assisted migration into a single, integrated solution.

## Typical Challenges in Business Warehouse Migration

- **Landscape Complexity**  
Large volumes of objects, diverse design patterns, technical debt, and deep dependencies across systems
- **Migration Challenges**  
Non-standard objects, heavy customizations, multi-layered processing, and overlapping models
- **Risk and Uncertainty**  
Evolving data strategies, architectural shifts, skill gaps, and unclear migration approaches
- **Value Realization Gaps**  
Difficulty in delivering data products, enabling AI-ready platforms, and driving data-driven actions

## Framework and Tooling

- **Assessment & Planning**  
Deep insights into complexity, dependencies, migration work packages, object lineage, and source systems to define a structured migration roadmap.
- **Standardization & Optimization**  
Consolidation of objects, enterprise data mapping, common models, and transformation optimization to simplify and standardize the target landscape.
- **Target Design & Execution Enablement**  
Improved mappings, semantic layer optimization, governance, validation approaches, performance tuning, and operational readiness aligned to the target architecture.
- **Associated Framework**  
Supports current-state analysis, architecture decisions, implementation planning, and accelerated design-build-deploy cycles with risk visibility.

## How Data Switch Drives Outcomes

- **Accelerated Migration Outcomes**  
Enables faster and more structured migration planning through automated assessment, consolidation, and implementation guidance.
- **Optimized and AI-Ready Data Platforms**  
Delivers lean, scalable, and cloud-ready data platforms designed for AI-enabled applications, analytics, and modern data products.
- **Improved Governance and Performance**  
Enhances semantic consistency, data quality, monitoring, security, and operational efficiency across the data landscape.
- **Business-Ready Data Products**  
Accelerates delivery of intelligent data products and insights that support innovation, adoption, and data-driven decision-making.

## What Data Switch Offers

- Assessment to design and plan
- Guided path to manage each stage
- Identification of areas to optimize, clean, and consolidate
- Built-in mapping and design recommendations
- Metadata and code outputs for target systems
- Utilities to support future operations

