



Seamless migration of SAP BW to Snowflake

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Home	https://github.com/heliconialabs/seamless-bw-migration
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Build	2025-07-11 05:50:28 UTC

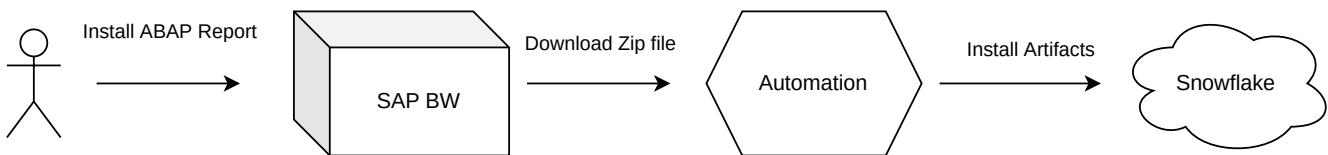
1. Introduction

Migrating from SAP BW to Snowflake can be a complex process, but with the right approach, it can be seamless and efficient. The approach uses automated tooling taking your artifacts from SAP BW and converting them to Snowflake without the need for as-is analysis and re-architecting.

2. Migration approach

The migration will take the existing artifacts from SAP BW and move the models and designs as is to Snowflake automatically. This ensures business continuity and minimizes the risk of data errors or corruption during the migration process. Business users can continue leveraging their existing reports and dashboards without redesign of the underlying data models.

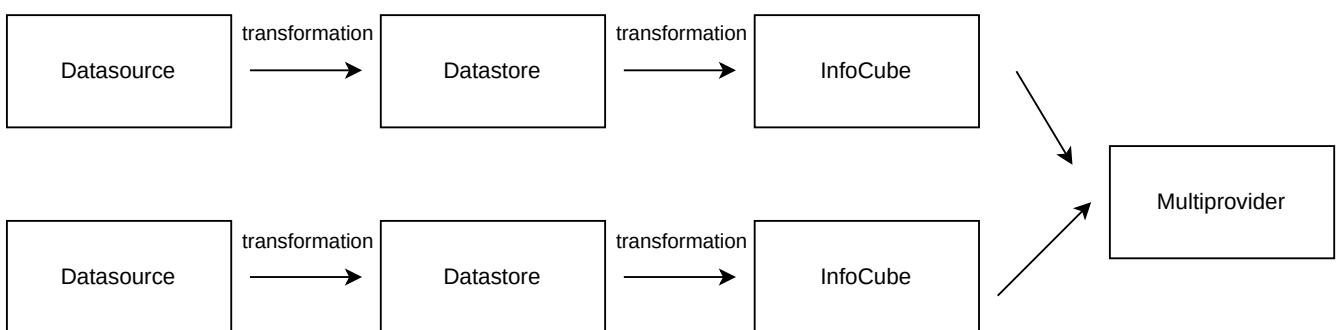
After the migration, all data resides in Snowflake, and can be used for new innovations using features in the Snowflake platform, such as data sharing, machine learning, and advanced analytics. Re-designing can be done ad-hoc, as the business needs change, already having realized savings on infrastructure costs and licenses.



Overall the migration process consists of the following steps:

1. Export customer artifacts from SAP BW
2. Automatically migrate the artifacts to Snowflake
3. Import the artifacts to Snowflake
4. Ensure data integrity and consistency with shadow runs

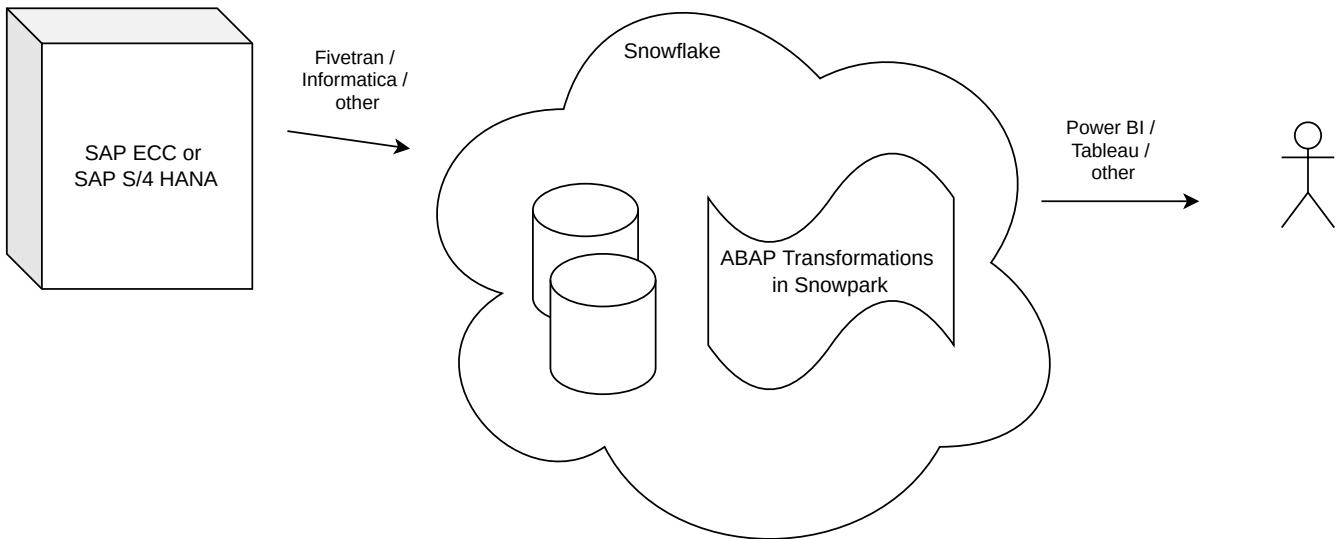
The ABAP transformations will run on [Snowpark](#), and along with custom implementations of SAP APIs, will ensure that all business logic is preserved.



The data model and population will remain the same, datastores and infocubes will be migrated to Snowflake, and the data will be stored in Snowflake.

3. Data ingestion and reporting

The load of data and reporting can be done with customer tool of choice, or existing BEx queries can be migrated to Snowflake.



4. Proof of concept

Contact us for a proof of concept to show how the migration process works. The proof of concept includes:

- Migration of a small set of artifacts from SAP BW to Snowflake
- Demonstration of the automated tooling and processes used in the migration
- Evaluation of the performance and efficiency of the migrated artifacts in Snowflake

Requirements:

- Access to BW system
- Access to Snowflake account
- Access to Git platform

Limitations:

- Integrated Planning features
- Open Hub
- Custom GUI transactions

5. Benefits

Seamless migration from SAP BW to Snowflake offers several benefits, including:

- Fast realization
- Horizontal scaling
- Significant lower TCO
- Low risk
- Consumption based pricing model
- Low downtime/dual maintenance
- No vendor lock-in
- Open standards and platform with [Codbex Kronos](#)

Also see the [Simplifying Your Analytics Landscape by Migrating from SAP to Snowflake](#) whitepaper from Snowflake.

About Codbex

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About Heliconia Labs

[Heliconia Labs](#) is a Danish company that focuses on handling difficult problems within the ABAP Ecosystem. With over 20 years of experience in the field, we have a deep understanding of the challenges and complexities involved in working with SAP systems. We are committed to building a better future for the ABAP Ecosystem by providing innovative solutions and services that help our clients achieve their goals.