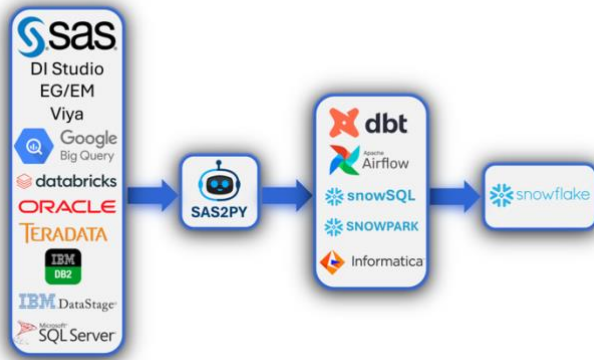


Migrate your Legacy code to Snowflake with SAS2PY

The SAS2PY platform migrates legacy code into Snowflake-native formats. Supporting a wide range of inputs like SAS (Base, DI Studio, EG/EM, Viya), SQL (Oracle, Teradata, DB2, Netezza), and ETL tools (Informatica, IBM DataStage) and more...



The Power of Cloud Analytics

Businesses looking to move from static, on-premise systems to scalable cloud solutions can dramatically improve their operations with Snowflake.

Global Accessibility: Access data anywhere, anytime.

Cloud-First Architecture: Eliminate hardware costs.

Real-Time Collaboration: Share live data securely with teams.

Comprehensive Migration Capabilities

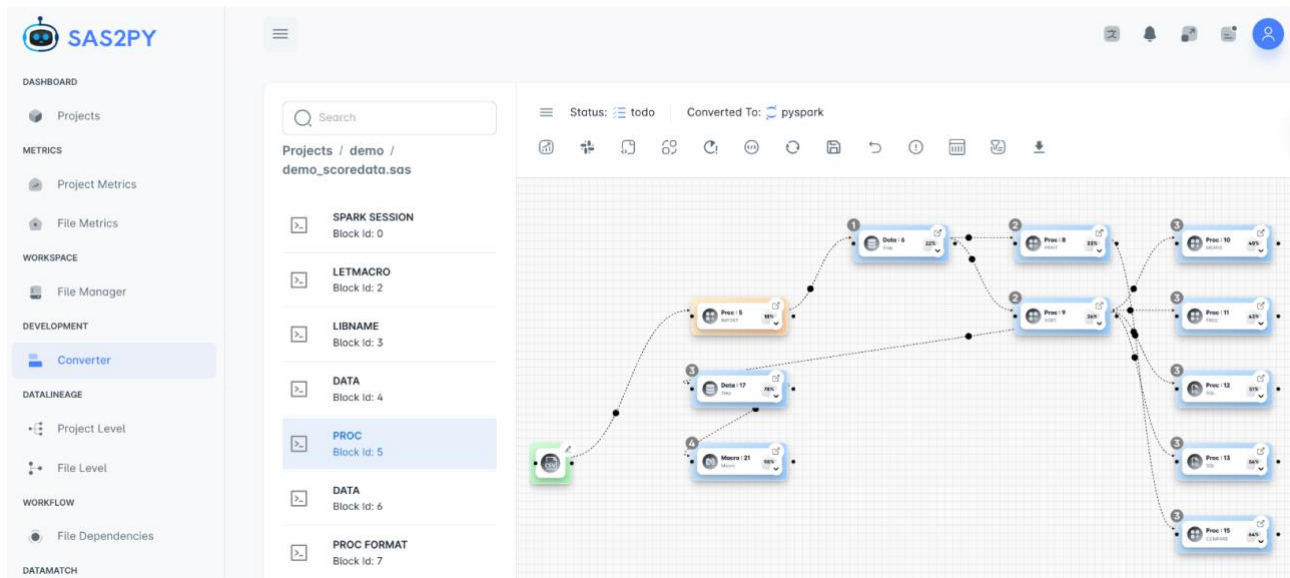
SAS2PY supports an extensive array of legacy systems and inputs, offering unmatched flexibility:

- **SAS:** Base, DI Studio, Enterprise Guide (EG), Enterprise Miner (EM), Viya.
- **SQL:** Oracle, Teradata, DB2, Netezza.
- **ETL Tools:** Informatica, IBM DataStage.

These inputs are automatically transformed into Snowflake-native formats, including:

- **Snowflake SQL Notebooks:** Optimized SQL queries tailored for Snowflake.
- **Snowpark Notebooks:** Code compatible with Snowflake's advanced Snowpark environment.
- **DBT Models and Informatica:** Streamlined, modernized workflows for analytics and ETL.

By offering such broad compatibility, SAS2PY ensures that every aspect of your legacy data ecosystem can be migrated without compromise.



Automated Migration Process

1. Legacy Analysis

- Automatically scans your legacy systems to identify all components, including SAS scripts, SQL queries, ETL workflows, and database schemas.
- Evaluates complexity and dependencies to develop a customized migration roadmap.
- Generates actionable insights, allowing businesses to visualize the migration process and potential outcomes.

2. Code Conversion

- Utilizes advanced AI algorithms to convert legacy code into Snowflake-compatible formats while preserving functionality and improving efficiency.
- Refactors outdated workflows, ensuring they take full advantage of Snowflake's unique capabilities, such as multi-cluster architecture and zero-copy cloning.
- Supports both Push and Pull models, allowing for flexible integration with Snowflake environments.

3. GenAI Validation & Testing

- Employs generative AI to validate converted code, ensuring operational parity between the legacy and Snowflake systems.
- Executes automated regression tests, comparing outputs to guarantee consistency and reliability.
- Optimizes code for performance, ensuring it's ready for production deployment.



Data Matching and Validation

Ensuring data integrity during migration is critical. SAS2PY's comprehensive data matching and validation capabilities eliminate the risks associated with inconsistencies and inaccuracies:

- **Schema-Level Matching:**
 - Automatically maps source schemas to Snowflake's architecture, ensuring seamless alignment of data structures.
 - Validates column data types, primary keys, and constraints to ensure compatibility.
- **Row-Level Validation:**
 - Compares individual records between legacy and Snowflake systems using hash-based matching for speed and accuracy.
 - Highlights and resolves discrepancies automatically through rule-based reconciliation.
- **Aggregate Data Matching:**
 - Validates metrics like counts, sums, and averages to ensure parity between source and target datasets.
 - Uses partition-level checks (e.g., by region or time) to provide granular validation.

These processes ensure that your migrated data is not only complete but also optimized for analytics and decision-making.

Proven Results

SAS2PY delivers measurable results that demonstrate the platform's unparalleled efficiency:

- **Cost Reduction:** Achieves up to **70%** lower migration costs by automating processes and eliminating manual labor.
- **Speed Enhancement:** Accelerates migration timelines by up to **10X**, transforming months-long projects into weeks.
- **Scalability:** Handles enterprise-scale migrations with ease, managing millions of lines of code and massive datasets.
- **Accuracy:** Data matching ensures data integrity with advanced validation tools and **AI-powered testing**.





The Power of Cloud Analytics with Snowflake

Migrating to Snowflake isn't just about modernization—it's about unlocking new potential for your business. Snowflake offers:

- **Global Accessibility:** Access your data from anywhere, empowering remote and distributed teams.
- **Cloud-First Architecture:** Eliminate the costs and limitations of on-premises infrastructure.
- **Real-Time Collaboration:** Share live, secure data with internal teams and external partners.
- **Dynamic Scalability:** Handle fluctuating workloads effortlessly with Snowflake's elastic compute resources.

Snowflake's platform enables businesses to transition from static, siloed systems to dynamic, integrated ecosystems capable of driving innovation.

Frequently Asked Questions

1. What is SAS2PY, and how does it simplify Snowflake migration?

SAS2PY is an advanced code migration platform that automates the conversion of legacy systems like SAS, SQL, and ETL workflows into Snowflake-native formats. It delivers faster, more accurate migrations at significantly lower costs.

2. How fast can SAS2PY migrate my legacy system to Snowflake?

SAS2PY accelerates migration timelines by up to **10X** reducing the process from months to weeks. For example, it can convert **100,000 lines of code in just 10 minutes.**

3. Can SAS2PY handle large and complex migrations?

Absolutely! SAS2PY is designed to handle enterprise-scale migrations, managing complex codebases and large datasets while maintaining accuracy and performance.

4. How does SAS2PY ensure the accuracy of migrated data?

The platform employs advanced data matching techniques, including row-by-row validation, hash comparisons, and aggregate checks, to ensure data consistency between the legacy system and Snowflake.





Statistics Supporting Migration to Snowflake

- **Cost Savings:** Businesses transitioning to Snowflake report up to a **65%** reduction in infrastructure costs.
- **Performance Gains:** Companies experience up to **3X** faster query performance after migrating to Snowflake.
- **Data Growth Readiness:** With global data volumes projected to reach 175 zettabytes by 2025, Snowflake's scalability ensures businesses remain competitive.
- **AI/ML Adoption:** Enterprises using Snowflake for AI/ML workflows report a **45%** improvement in model accuracy and efficiency.

Migrating to Snowflake with SAS2PY enables businesses to modernize their data infrastructure efficiently and confidently. With automated processes, advanced AI-driven validation, and proven results, SAS2PY ensures cost-effective, accurate, and rapid transitions from legacy systems.

Ready to transform your data ecosystem?

Azure + Snowflake

Enabling seamless data analysis, storage, and access across different cloud environments, all while maintaining a high level of security and performance.



AWS + Snowflake

Snowflake can seamlessly scale its data storage and compute power based on demand using AWS's elastic infrastructure, allowing businesses to handle large data volumes without worrying about capacity limitations.

Google Cloud + Snowflake

Providing a flexible, scalable, and secure way to store, analyze, and share large datasets across different cloud platforms, while also accessing Google Cloud's powerful analytics and machine learning tools to extract deeper insights from your data.

