



SAS2PY

SAS2PY Platform Overview

SAS2PY is the industry's first fully on-premise, parser-driven **Alteryx** migration and transformation platform. Purpose-built for organizations modernizing legacy Alteryx environments—including workflows, analytic apps, macros, and data preparation pipelines—SAS2PY transforms these assets into modern, cloud-native formats optimized for **Snowflake, Databricks, BigQuery, Redshift, Microsoft Fabric, and DBT**.

With unmatched accuracy, security, and speed, SAS2PY helps organizations reduce risk, control cost, and accelerate their cloud data modernization roadmap.

What Makes SAS2PY Different

- **Parser-Driven Alteryx Conversion**

No AI hallucination—every Alteryx object (workflow, macro, analytic app, transformation) is parsed, transformed, and fully auditable.

- **Secure On-Premise Deployment**

Run entirely within your infrastructure (on-prem or VPC). No code or data ever leaves your environment.

- **Full Metadata & Transformation Preservation**

Alteryx logic, tools, expressions, schema references, and custom macros are intelligently retained and mapped to modern frameworks.

- **Built-In Execution Layer**

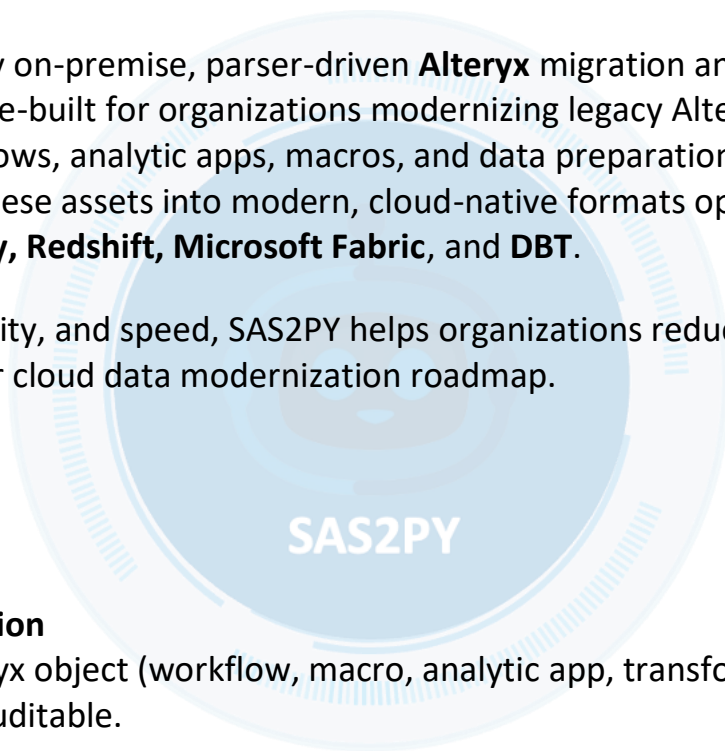
Execute migrated workloads natively in Snowflake, Databricks, and other platforms using visual controls.

- **(Optional) Merlin AI Developer Assistant**

Real-time AI guidance for debugging and optimizing Alteryx-to-modern transformations.

- **Comprehensive Validation & Matching**

Validate schema, data, and logic with row-level and partitioned comparisons across platforms.



Migrate Smarter. Analyze Faster. Transform with SAS2PY.

www.sas2py.com

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End-to-End Alteryx Migration Process

1. Analyze

- Automatically inventories Alteryx workflows, analytic apps, macros, and data prep logic
- Maps schema references, dependencies, and I/O nodes
- Assesses complexity and prioritizes high-value migration targets

2. Convert

- Converts Alteryx logic into Python, SQL, and modern frameworks (DBT, PySpark, Snowpark, etc.)
- Retains data cleansing, joining, and transformation logic
- Produces clean, production-ready code for cloud platforms

3. Validate

- Ensures schema and logic consistency between Alteryx and target outputs
- Performs regression testing and side-by-side output comparisons
- Verifies data accuracy and business logic fidelity

4. Execute

- Supports direct execution in Databricks, Snowflake, and modern orchestrators
- Includes scheduling, versioning, and DAG packaging capabilities
- Integrates with Airflow, DBT, and Git

5. Data Matching

- Validates row counts, aggregates, and calculated KPIs
- Supports partition-level checks by date, geography, or customer group
- Aligns source-to-target schema mappings with precision

6. Document

- Generates detailed, audit-ready documentation
- Includes full lineage tracking and rollback reference
- Supports compliance, governance, and IT controls



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Automated Schema Mapping

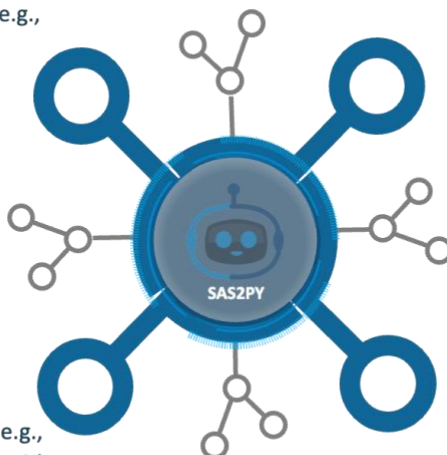
Automatically maps source schemas (e.g., **SAS, Oracle, Teradata**) to the target system for fast and efficient setup.

Metadata Comparison

Compares metadata (e.g., **table structures, indexes**) between the source and target systems to ensure complete structural alignment.

Data Type Validation

Ensures accurate translation of column types (e.g., numeric, string, date) into formats compatible with the target system, eliminating type mismatches.

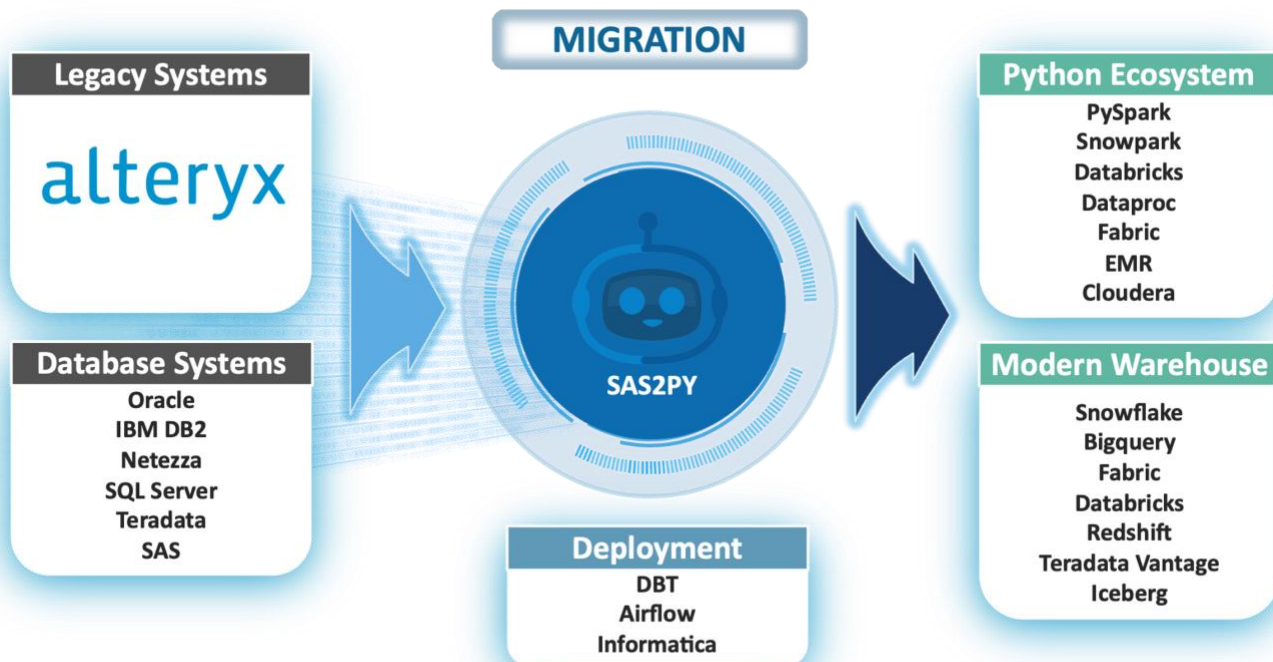


Metrics Comparison

Validates key metrics (**counts, sums, averages**, etc.) between source and target systems to confirm data accuracy.

Partitioned Validation

Performs aggregate checks by **partitions** (e.g., **date, region**) to ensure data consistency within subsets.



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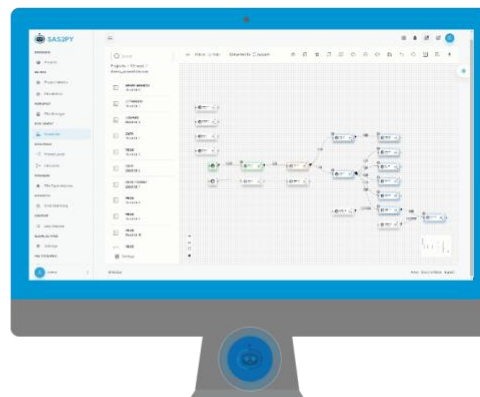


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Code/Data Lineage

End-to-End Code Lineage: SAS2PY automatically maps dependencies across all workflows, ensuring **100% traceability** before, during, and after migration.

Clickable Lineage Exploration: Users can **click on any dataset, transformation, or script** to immediately view the original code alongside its migrated equivalent.



Legacy Code Preservation & Full Auditability: Every **original script** remains **fully viewable, traceable, and auditable**, ensuring **long-term historical reference and compliance validation**.

Merlin AI – The Developer Assistant (Optional)

Merlin AI is an embedded on-prem GenAI assistant for developers and data engineers working with converted Alteryx workloads. Fully integrated into the SAS2PY platform, Merlin supports:

- Real-time debugging and transformation assistance
- Auto-rewrite of SQL and Python blocks for optimization
- Error tracebacks, logic flow explanations, and quick fixes
- GenAI-enabled context-aware chat for specific code inquiries
- On-premise optional for security-sensitive environments

Enterprise-Grade Data Matching & Validation

SAS2PY includes a powerful data validation engine to ensure consistency and trust throughout your migration:

- **Automated Schema Mapping:** Aligns source and target columns and formats
- **Data Type Normalization:** Ensures compatibility across platforms
- **Metadata Comparison:** Verifies structures, indexes, and dependencies
- **Metric Validation:** Confirms row counts, aggregates, and KPI accuracy
- **Partition-Level Checks:** Detects mismatches by date, region, or business slice

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Deployment Options & Infrastructure

- Deploy within your infrastructure or in the cloud – you decide
- Docker-based delivery; compatible with AWS, Azure, GCP, on-prem VMs
- Standard Instances: AWS m5.2xlarge, Azure D8s v3, GCP n2-standard-8
- No data or logic ever leaves your environment

Licensing & Engagement Options

- **Volume Pricing** Tiered by LoC (lines of code) and platforms migrated
- **Proof of Concept (PoC)** 4-week paid PoC
- **Partner-Friendly** We work with many SI's, technology partners and cloud migration partners

Take the Next Step in Digital Transformation

SAS2PY is the world's most secure, parser-based **Alteryx** modernization platform—built for large enterprises in regulated, data-intensive industries. Whether migrating workflows, rebuilding analytic pipelines, or modernizing your data infrastructure, SAS2PY ensures a smooth, accurate, and secure transition to the cloud.

Schedule a Demo: www.sas2py.com | sales@sas2py.com

