SAS2PY

## SAS2PY Platform Overview

SAS2PY is the industry's first fully on-premise, parser-driven **Informatica** migration and transformation platform. Purpose-built for organizations modernizing legacy Informatica environments—including mappings, transformations, sessions, and workflows—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 Informatica Conversion**
No AI hallucination—every Informatica object (mapping, workflow, session, 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**
Informatica logic, reusable components, expressions, and schema relationships 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 Informatica-to-modern transformations.

• **Comprehensive Validation & Matching**
Validate schema, data, and logic with row-level and partitioned comparisons across platforms.

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**End-to-End Informatica Migration Process**

**1. Analyze**
- Automatically inventories Informatica mappings, transformations, workflows, and sessions
- Maps schema references, connections, and parameters
- Assesses complexity and prioritizes high-value migration targets

**2. Convert**
- Converts Informatica logic into Python, SQL, and modern frameworks (DBT, PySpark, Snowpark, etc.)
- Retains control logic, transformation expressions, and schema alignment
- Produces clean, production-ready code for cloud platforms

**3. Validate**
- Ensures schema and logic consistency between Informatica 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

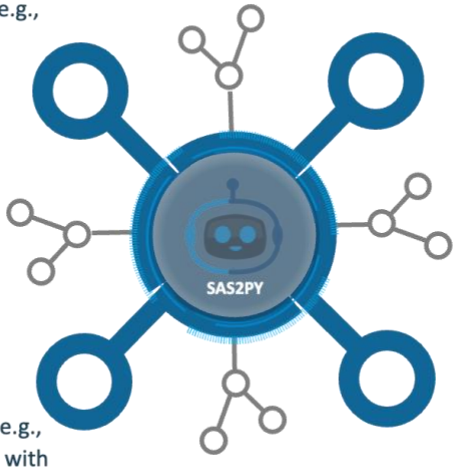
Automatically maps source schemas (e.g., **SAS**, **Oracle**, **Teradata**) to the target system for fast and efficient setup.

## 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.

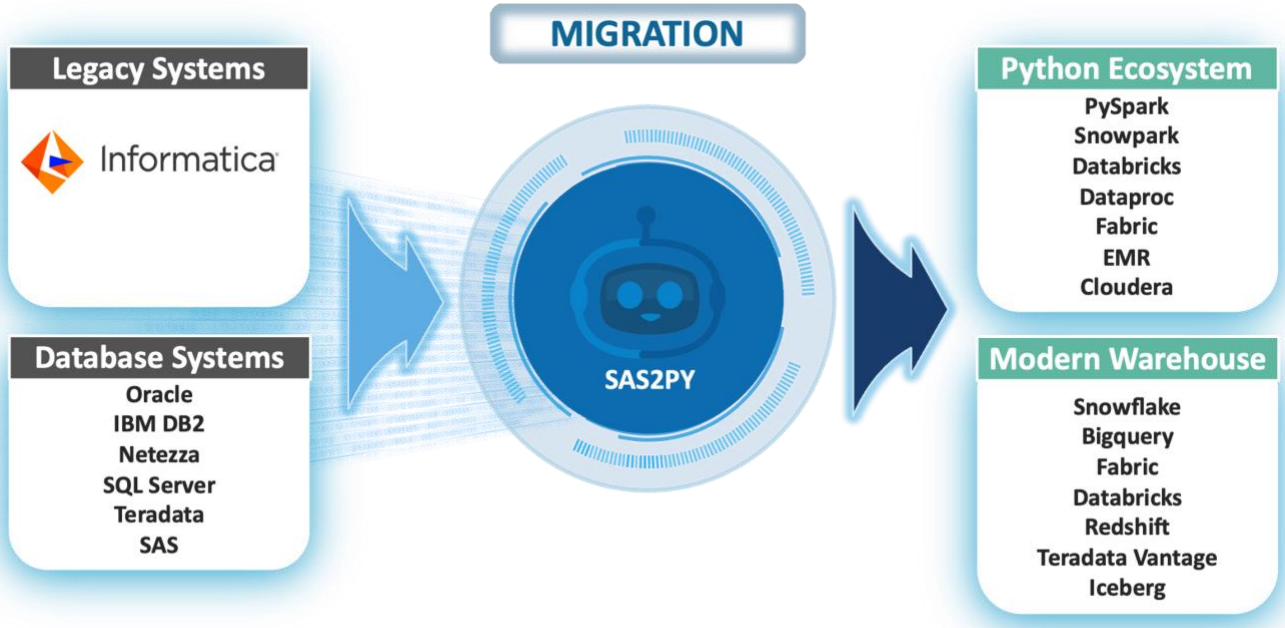



## Metrics Comparison

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.




**Migrate Smarter. Analyze Faster. Transform with SAS2PY.**

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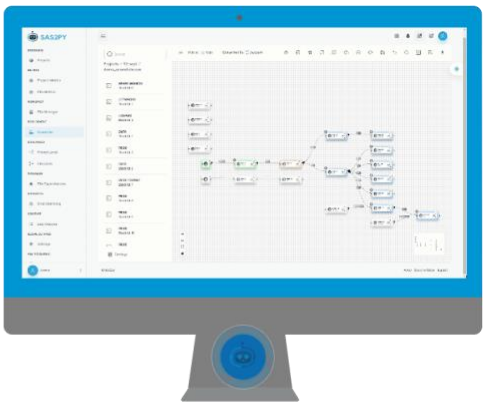
## Code/Data Lineage

**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 Informatica 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

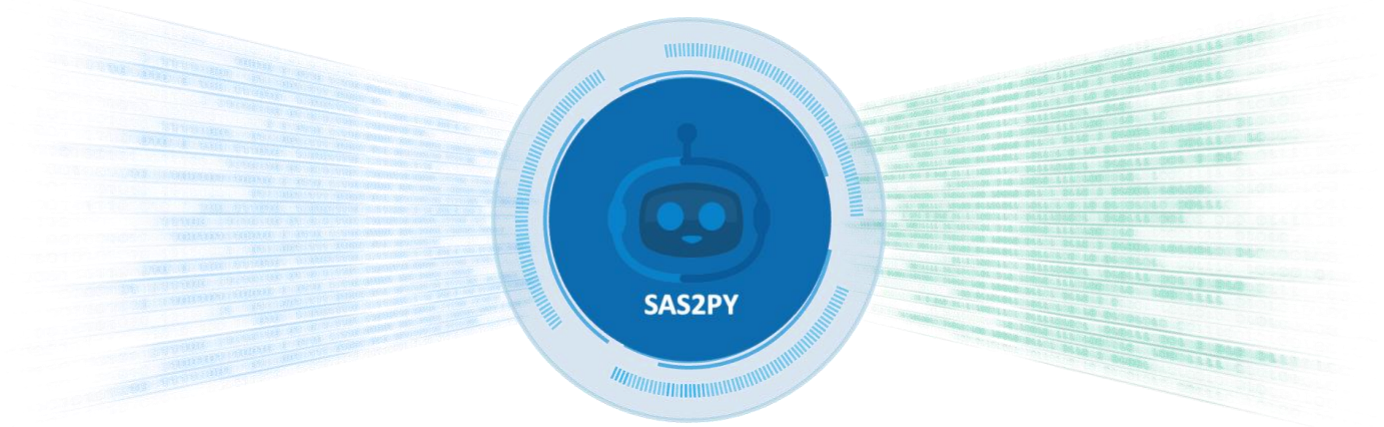
## Licensing & Engagement Options

- **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 **Informatica** modernization platform—built for large enterprises in regulated, data-intensive industries. Whether migrating mappings, rebuilding ETL 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

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