

BRS Aladdin Migration & Modernization Capabilities

Accelerating Your Journey to BlackRock Aladdin with Domain Knowledge and AI-Powered Data Management Tools

Our BRS Aladdin experts, who come with our **exf-Insights accelerator platform**, reduce time, cost, and risk to Go-Live by **40–60%**. We provide end-to-end modernization services for firms implementing and migrating to Aladdin and the Aladdin Data Cloud on Snowflake including post Go-Live Managed Services.

Why exf-Financial Data Solutions?

65+	DATA & AI	DOMAIN	MODERN
Skilled Associates & Resources Globally	The Cornerstone of Our Business	Expertise in Financial Services	Cloud Native Data Solutions

10 Aladdin Data Domains We Support

Our team provides end-to-end data engineering across all core Aladdin data domains — from ingestion and harmonization through analytics and reporting.

1. Portfolio Holdings Security-level and aggregated holdings across all accounts	6. Performance Attribution Contribution analysis across sectors, strategies, and instruments
2. Positions Intraday and end-of-day position data with valuation metrics	7. Risk Analytics Factor exposures, sensitivities, VaR, and scenario analyses
3. Transactions Trade execution, settlement, and cash flow records	8. Pricing & Valuation Data Intraday and end-of-day prices, yield curves, market quotes, and valuations for mark-to-market and portfolio analysis
4. Security Master Instrument reference data, including identifiers, ratings, and classifications	9. Compliance & Guidelines Investment restrictions, breaches, and rule checks
5. Benchmarks Benchmark composition and performance data for comparison analytics	10. Accounts & Entity Hierarchies Mapping of portfolios, strategies, and client mandates

Core Aladdin Migration Capabilities

Modernization	Aladdin Integration	Automation & DevOps
<ul style="list-style-type: none"> ✓ Cloud architecture setup (Dev/QA/Prod) ✓ Automated Data pipelines with Metadata Catalogs, Transforms & Data Quality ✓ Legacy SSIS package refactoring ✓ API development & integration ✓ Data Lake Model for Inv Managers ✓ AI Integration to Accelerate Data Migrations and Daily Operations 	<ul style="list-style-type: none"> ✓ Legacy & benchmark feed mapping to ADC ✓ DBT pipelines for Aladdin Day 0 and Parallel/Go-Live ✓ Aladdin Position & Trade API ingestion ✓ Intraday flows for positions & security ✓ Enablement of Asset Managers to supply data for BlackRock OCIO ✓ IBOR and ABOR Performance and Benchmark Management 	<ul style="list-style-type: none"> ✓ CI/CD pipelines using Apache Airflow or Prefect for orchestration ✓ Docker & Kubernetes on Azure ✓ Provide Daily Comprehensive Data Quality Analysis ✓ Daily reconciliation (Refinitiv to Bloomberg) ✓ Go-live & hyper care support



exf-Insights: AI-Powered Data Life Cycle Platform

Our clients leverage exf-Insights as the accelerator that powers the entire data journey — from ingestion through analytics.

Acquire & Ingest Data Discovery (AI) • Connect Sources • Catalogue Data	Harmonize & Cleanse AI Mapping • Code-less Transform • Data Quality Rules	Operate Workflow Orchestration • Exception Mgmt • Monitoring	Consume & Analyze Gold Copy Viewer • GenAI Chatbot • BI Dashboards • APIs	Utilities Document Mgmt • Financial Reporting • Import/Export
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Data Intelligence Framework

Comprehensive validation and analytics are built into every Aladdin implementation — 25+ categories with 100+ intelligence tests and real-time alerts. Applied daily to the Aladdin Data Cloud ADC as our Start of Day (SOD) base, these checks assess data fitness for front office reliance.

Data Completeness	Pre-Load Intelligence	Data Quality & Alerts	Advanced Analytics
<ul style="list-style-type: none"> IBOR/ABOR/PBOR portfolio availability status Portfolio count comparison T-1 vs T-2 Benchmark/indices count comparison T-1 vs T-2 Portfolio-to-benchmark mapping validation Security Classification data availability checks 	<ul style="list-style-type: none"> Benchmark performance returns vs portfolio gross returns alignment Security availability in breakdown for classifications Legal structure availability for portfolios and positions Unique FIGI mapping validation per security Public identifier (CUSIP/SEDOL/ISIN) one-to-one Aladdin ID mapping USD vs non-USD data source validation IBOR pos_cusip population check 	<ul style="list-style-type: none"> Market value % validation (99.9–100.1 threshold) Duplicate classification data detection Duration change to zero alerts Factor change to zero alerts ABS/CMBS price change >5% detection (T-1 vs month-end) Market value change monitor T-1 vs T-2 	<ul style="list-style-type: none"> MTD performance variance analysis Duration & risk analysis for fixed income/treasuries Agency/non-agency MBS monitoring Security factor change detection >1 Cross-period IBOR/ABOR count comparisons MTD/QTD/YTD cash flow consistency

Proven Results: Successful \$200B AUM Manager Migration

Modernization/Migration for a \$200 Billion AUM Manager

- Established a modern data platform replacing MS-SQL infrastructure with Snowflake Data Lake
- Client is live on Aladdin to support its investment process using the Aladdin Data Cloud on Snowflake
- Delivered end-to-end in 12 months + 3 mos Parallel til Aladdin Go-Live in Apr 2025 On Azure
- Post Go-Live: Provision of Tier 1 Managed Services via exf-Insights & Managed Services

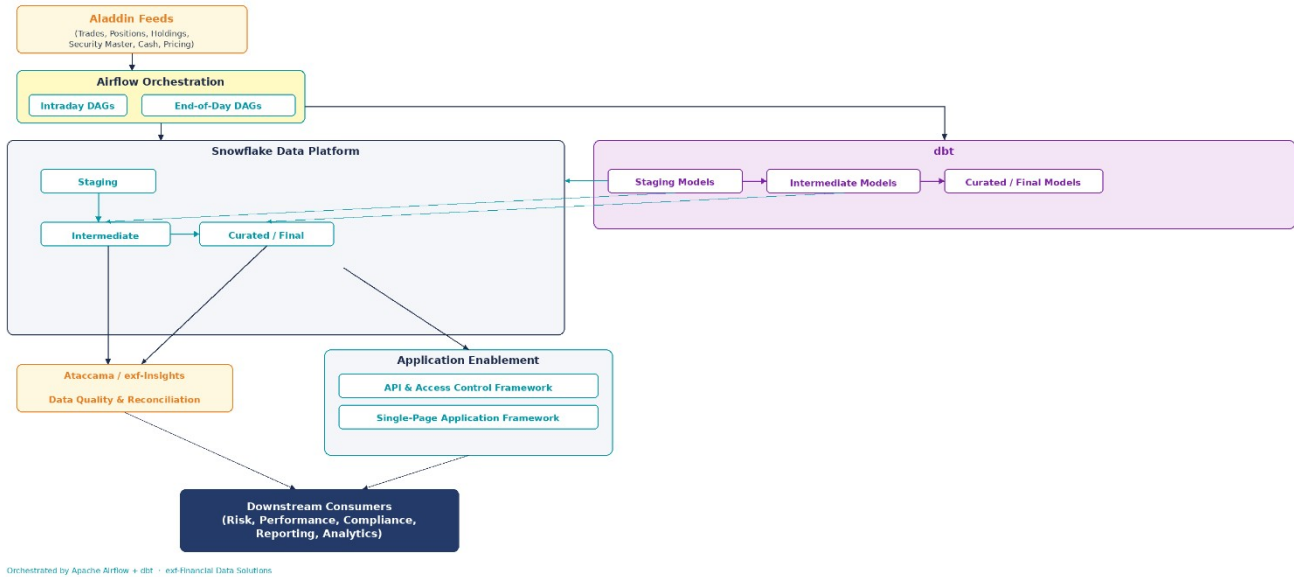
Engagement Metrics at a Glance

52 Sprint Cycles Completed	~18,300 Stories Closed Overall	492 DBT Models Created	1,870 SQL Test Cases in exf-Insights
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Orchestration for Repeatability

Every Aladdin implementation follows our proven orchestration architecture — Airflow or Prefect-managed intraday and end-of-day processing. Below is how we used DAG*s to feed Snowflake Data Lake where AI-enabled dbt models transform raw Aladdin feeds through staging, intermediate, and curated layers. Ataccama and exf-Insights provide continuous data quality monitoring and reconciliation in this client deployment while our Application Enablement framework exposes curated data via APIs and single-page applications to downstream consumers including risk, performance, compliance, reporting, and analytics teams.



* DAG stands for **Directed Acyclic Graph**. In simple terms, it is a graph where:

- **Directed:** Tasks flow in a specific direction (e.g., Task A -> Task B).
- **Acyclic:** There are no loops or cycles; a task cannot depend on itself directly or indirectly.)

Technology & Partner Ecosystem

Snowflake • AWS • Azure • Google Cloud • FIS • Confluent • EDI • FactSet • MongoDB • Aladdin

Ready to Accelerate Your Aladdin Migration?

Let our team of specialists and exf-Insights platform reduce your time-to-value by 40–60%.

Contact us: info@exf-financialdatasolutions.com | www.exf-financialdatasolutions.com

