

EXAFLUENCE: SNOWFLAKE NATIVE APP INVESTMENT DATA MODEL/WAREHOUSE WITH ESG & GENERATIVE AI

DisruptivData provides world-class enterprise data management solutions for Snowflake and our products are available directly from the Snowflake Data Cloud. Our Snowflake Warehouse (IDM) is ready to link your Positions, Instruments and Accounts, including Public & Private Market, Derivatives and FX Overlays.

Developed by Exafluence, the IDM is a proven Snowflake Native App and provides curated data to the Front, Middle and Back Office. It's also extensible to meet your organization's unique requirements and, via Gernative AI & ChatGPT, allows you to interact with the Warehouse using natural language prompts.

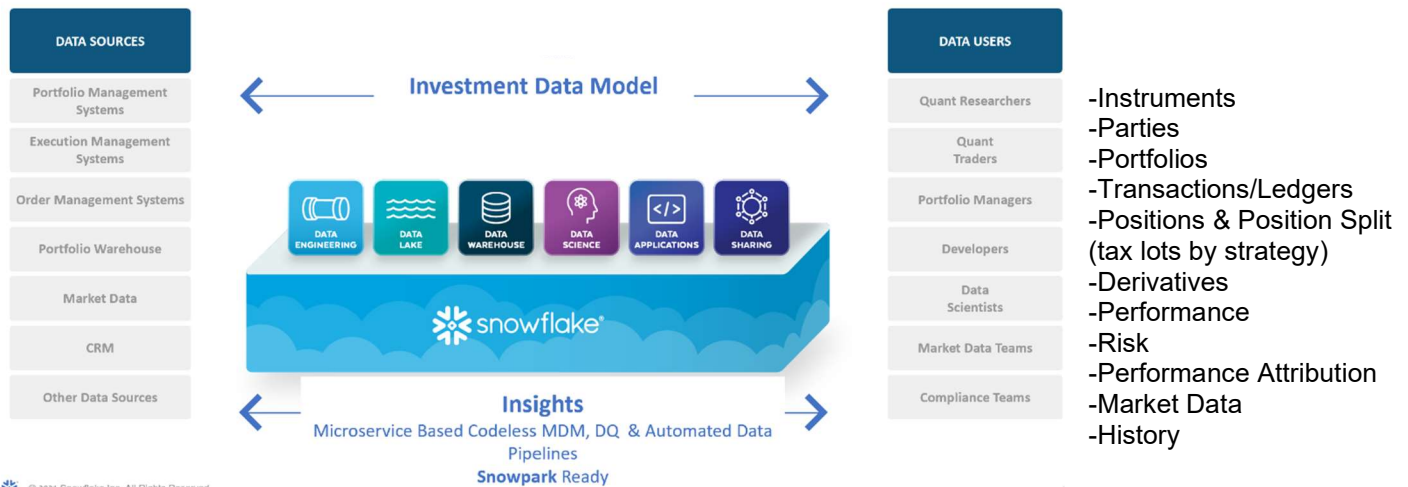


Figure 1 IDM Supports Asset Managers, Owners & Investment Consultants

Generative AI and Large Language Model Capabilities:

A Prompt asking for a count of holdings presented in a donut chart produces the following:

Behind the scenes the Snowpark Query is created, executed and integrates with the Streamlit visualization. Queries and Code can be saved, tuned, and used elsewhere.

Ask Crystal, your Investment Insights Partner

Investment Summary

Total Number of Portfolios	32
Total Market Value	\$2.99 Billion
Effective Date	31-Jan-2021
Number of Sources	2

Direct Holdings

\$2.99 Billion

Indirect Holdings

\$9.89 Million

Change in Market Value

\$142,674

Show Code

Count of Holdings by Segment

- Unknown (50)
- Consumer Discretionary (87)
- Financials
- Information Technology
- Currency
- Health Care
- Consumer Staples
- Communication Services
- Industrials
- Bonds
- Real Estate (32)
- Professional, Scientific, and Technical
- Computer and Electronic Products
- Chemical Manufacturing (32)

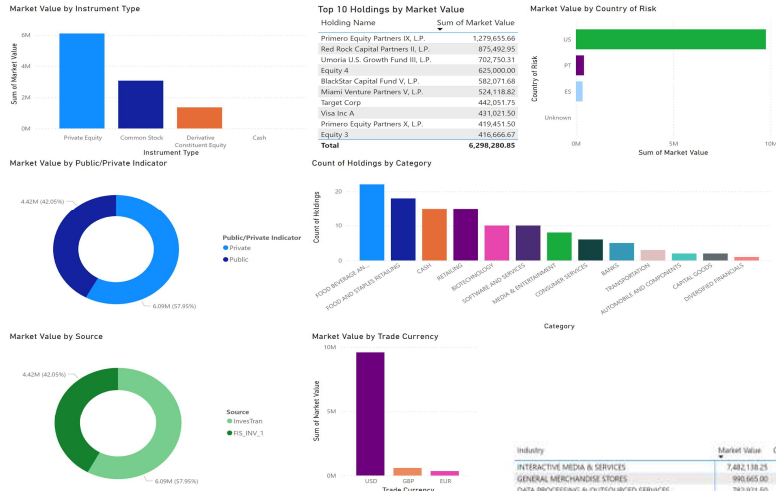
Chatbot vs. Dashboards

- Natural Queries:** Just type & ask
- Direct Answers:** No layers to navigate.
- Efficient:** Instant & specific results.
- Custom Visuals:** Tailored to each query.
- Seamless:** No app-switching.

Your message

Powered by Exafluence

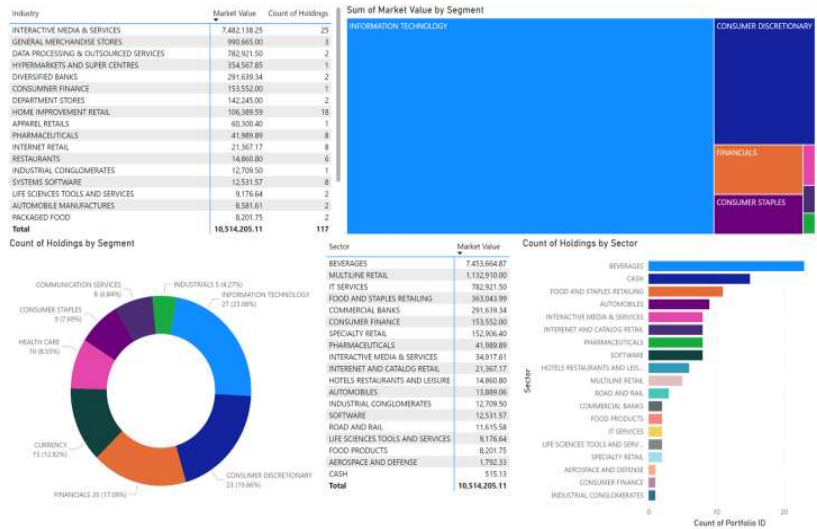
Visualization & Aggregations:



Look through Fund of Funds to see Direct & Indirect Public, Private and Derivatives/FX Overlay positions. Perform aggregations and create views into your data.

Views, APIs and GraphQL access for advanced Data Analytics is available. Explore Segments and Industries across

Funds, Accounts, Products & Strategies for ABOR, IBOR, PBOR.



CODELESS/LOW CODE RULES

For Meta-Data Alignment, Gold Copies, Transforms & Data Quality

EMPOWERING DATA OPS AND BUSINESS ANALYSTS TO SPEED DATA MIGRATION AND SUPPORT DAILY OPERATION

View Database Rules | Code Blocks

Copy | CSV | Excel | PDF | Print

Group by

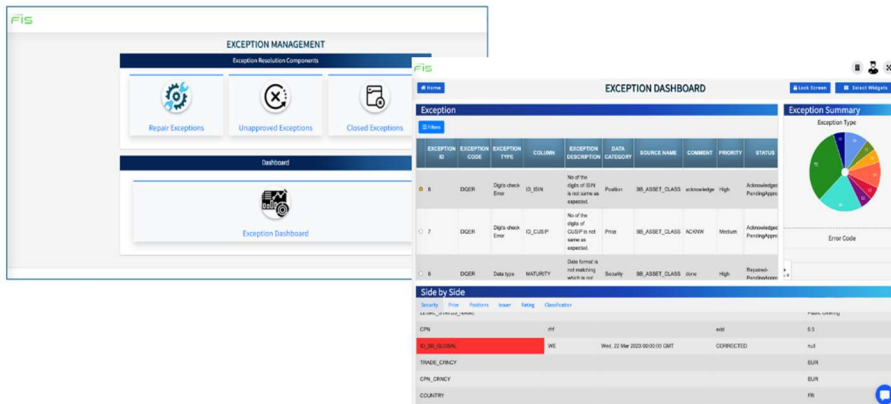
APIs and Python/JSON Code Blocks for easy Data Governance Integration and Data Science use.

Multi Domain transforms including Gold Copies (i.e. positions, products, securities, prices, transactions, etc.) required to align/harmonize/repair data to any target database model

Sources	Transformation Rule	Target Metadata	Target Name	Group Name
BLOOMBERG	IF BLOOMBERG.SECURITY_TYP equals [abiPool] THEN CONCAT(CRD SBA POOL); ELSE NULL;	SEC_TYP_CD	CRD	GOLD
BLOOMBERG	IF BLOOMBERG.SECURITY_TYP equals [MBS] THEN CONCAT(CRD MBS); ELSE CONCAT(BLOOMBERG.SECURITY_TYP);	SEC_TYP_CD	CRD	GOLD
BLOOMBERG, CRD	IF BLOOMBERG.PAR_AMT is not null [0] THEN CONCAT(BLOOMBERG.PAR_AMT); ELSE IF CRD.PAR_SWAP_ADJMT is not null [0] THEN CONCAT(CRD.PAR_SWAP_ADJMT);	PAR_AMOUNT	SIMCORP	GOLD
BLOOMBERG, CRD	IF BLOOMBERG.I_SIN is not null [0] THEN CONCAT(BLOOMBERG.I_SIN); ELSE IF CRD.I_SIN_NO is not null [0] THEN CONCAT(CRD.I_SIN_NO); ELSE NULL;	ISIN	SIMCORP	GOLD
BLOOMBERG, CRD	IF BLOOMBERG.TICKER is not null [0] THEN CONCAT(BLOOMBERG.TICKER); ELSE IF CRD.TICKER is not null [0] THEN CONCAT(CRD.TICKER);	TICKER	SIMCORP	GOLD
CRD, BLOOMBERG	IF BLOOMBERG.PAR_AMT is not null [0] THEN CONCAT(BLOOMBERG.PAR_AMT); ELSE IF CRD.PAR_SWAP_ADJMT is not null [0] THEN CONCAT(CRD.PAR_SWAP_ADJMT);	PAR_AMOUNT	SIMCORP	GOLD

INTEGRATED EXCEPTION MGMT & WORKFLOW

Role-Based Access, Maker/Checker. Audit Trail

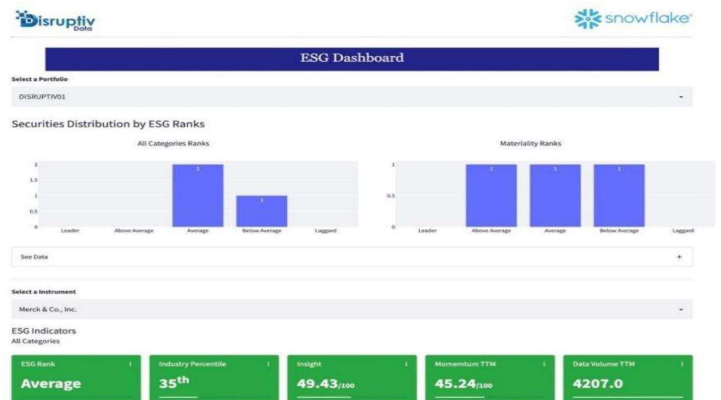


Imagine all Exceptions in one place. Basic Data Checks, Raw Data Source Assessment, Transforms, Gold Copy and Data Quality support follow-the-sun and work queue management.

Capture Exceptions and create KPIs on Source data driving your organization.

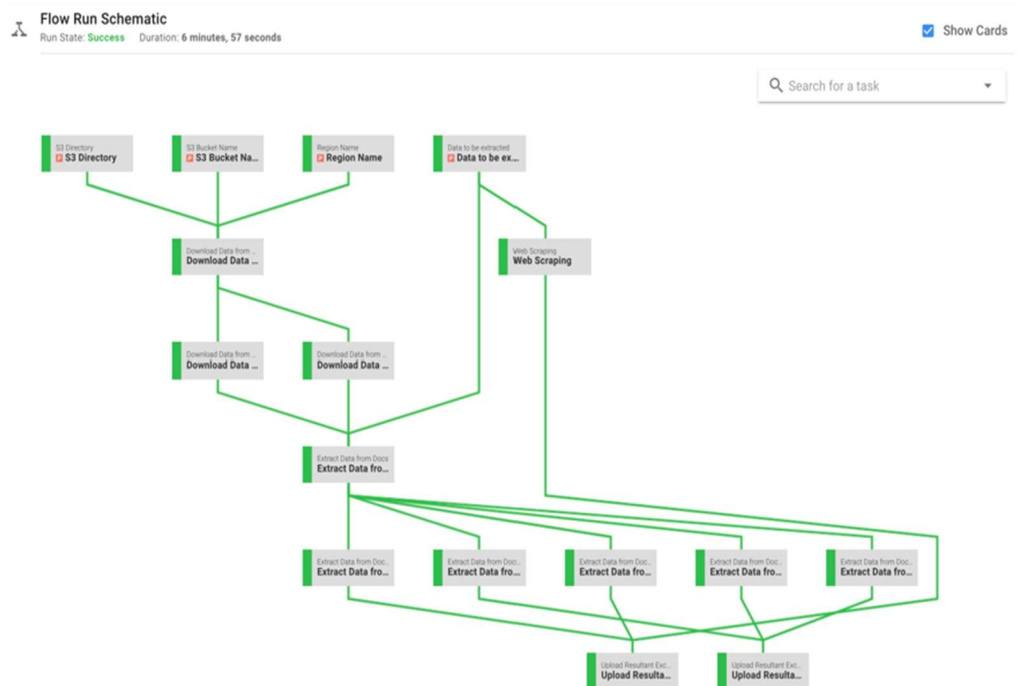
ESG:

Our Snowflake IDM includes a Streamlit Demo App with FactSet's TruValue Labs. This makes it possible to see your holdings and securities of interest data coupled with FactSet's ESG scores and measures in minutes. The IDM has been integrated with ESG data from a number of sources including MSCI, ISS and others.



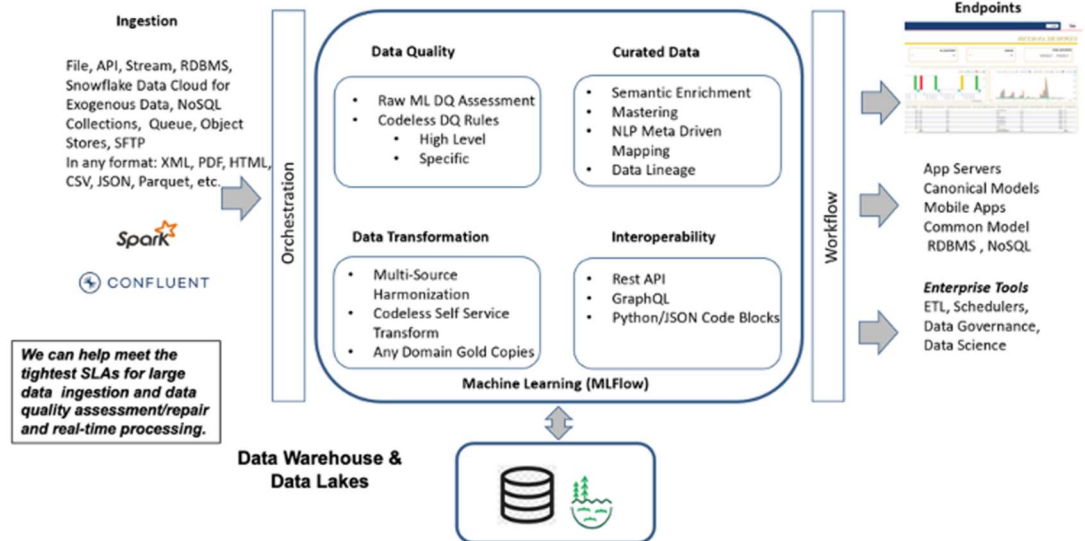
ORCHESTRATION:

We provide secure automated data pipelines featuring Codeless/Low Code Metadata alignment, Transform, Gold Copy and Data Quality Rules with metering by source across multiple domains (Securities, Prices, Accounts, Customers, Ledgers, Products, Strategies, etc...). Structured and semi-structured data can be sourced, curated and deployed with full lineage, logging, and audit in mind.



- **Ingest Data in Any Format**
- **Meta-Driven Approach**
- **Codeless Rules**
- **Integration with Leading Buy-Side Apps and Market Data Providers**
- **Support Data Analytics**

Modern Data Platform: Ingest, Curate and Provide Access



Key Benefits:

- Built for Data Consumption and to provide one version of the truth
- Scalable and Deployable on any Cloud (AWS, Azure, Google)
- Augment with Data via native Snowflake Data Cloud integration
- Low Risk & TCO; Proven for Asset Managers, Owners & Investment Consultants
- Support for all Asset Classes and Extensible
- ESG & AI/ML Ready; Derive your own Internal ESG measures across sources
- No-Code/Low Code Meta Data, Transform, Gold Copy and Data Quality rules capability
- Initialize Quickly– Available as a Native App and deployed directly to your Snowflake account
- Integrates with Azure Data Factory and Databricks
- Access to Experienced Implementation Consultants, Data Modelers and Developers
- Global Support and Services via our Partnerships with Snowflake, FIS & Exaflunce

Whether for Migrating to Snowflake or continued use for Daily Operations, these proven tools accelerate your move to Snowflake and the Data Cloud while reducing the cost and complexity associated with legacy MDM vendors.

Let us accelerate your move to the next generation data platform.

LEARN MORE AT:

[SnowflakeDataCloudMarketplace](https://www.snowflake.com/marketplace)

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