



Data Observability

Proactively identify and resolve data issues to ensure data reliability and prevent business disruption.

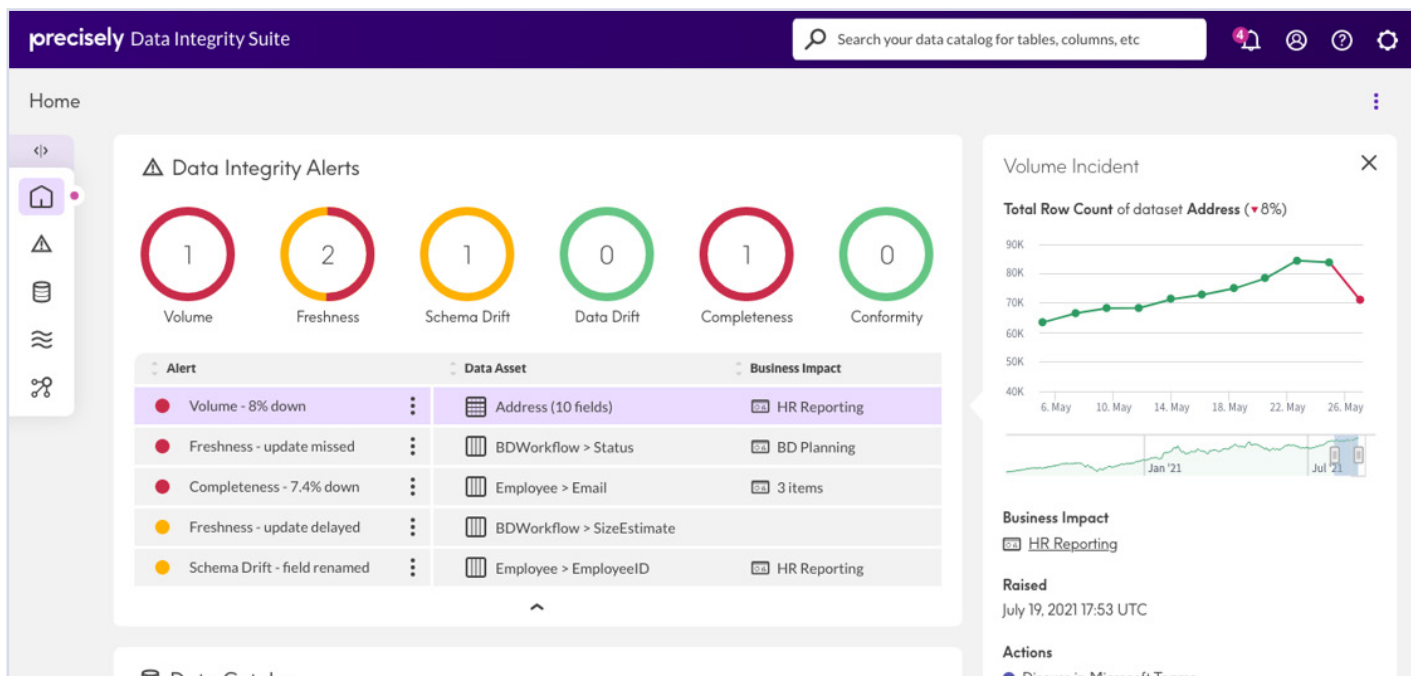
Overview

The Data Observability service of the Data Integrity Suite enables trust in your data and analytics by using machine learning intelligence to understand your data and identify data anomalies and outliers, allowing you to avoid business disruptions and costly downstream issues.

Additionally, Data Observability ensures data reliability and increases confidence in data-driven decisions by monitoring your organization's data, performing analysis to determine current and potential adverse data events, and alerting those who need to resolve the issues. A dashboard view shows the health of your organization's data landscape and related alerts. Integration across the Data Integrity Suite services provides context using details about your data, including metadata, relationships, lineage, and associated impacts.

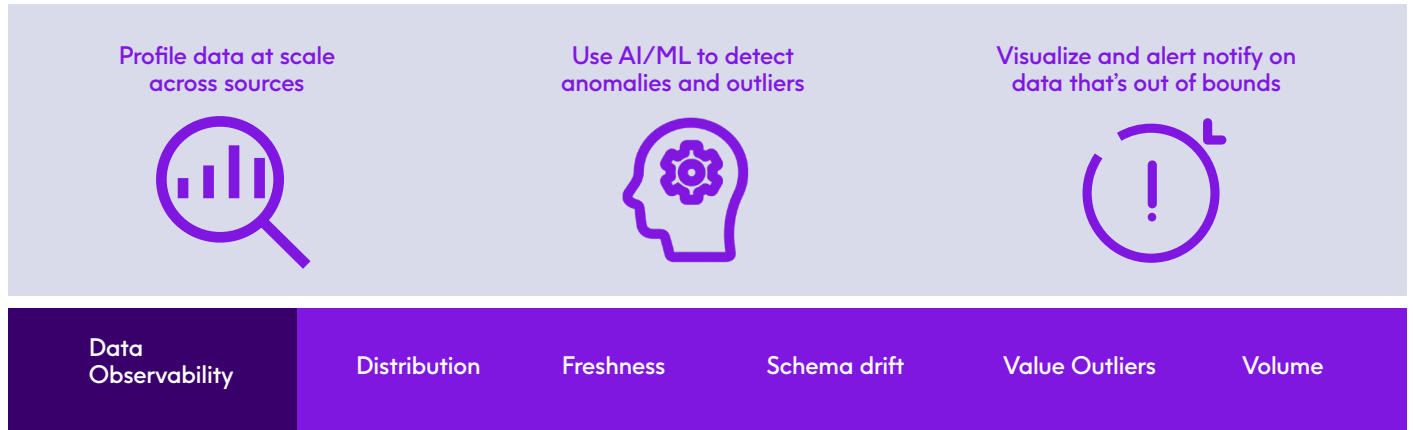
Benefits

- Understand the health of your data with continuous measuring and monitoring
- Reduce the risk associated with erroneous analytics that impact business decisions
- Obtain visibility into your data landscape and dependencies with intuitive self-discovery capabilities
- Receive a proactive notification when anomalies and outliers are identified
- Reduce the time to solve operational issues and the cost of adverse events
- Enable quick remediation when issues occur by understanding the cause of the issue



How it works

- **Discover, Profile & Monitor:** collect statistics and monitor the data landscape, profiling the data and enabling self-discovery.
- **Analyze:** process the information, assess historical trends, and detect anomalies and outliers using machine learning.
- **Visualize & Act:** utilize dashboards to visualize data activity, deliver proactive alerts that notify users of anomalies and outliers, and provide users with additional context to understand whether data is ready for decision-making.



Features

- **Data Observability Visibility**
View your data landscape, understand the health of your enterprise data, and view automated alerts in one convenient dashboard.
- **Automated Data Monitoring**
Perform scheduled and ad-hoc enterprise data and pipeline asset collection and monitoring from various sources, including Databricks, Snowflake, Amazon Redshift, Google BigQuery, Microsoft Synapse, and more.
- **Data Profiling**
Select assets and automatically apply comprehensive profiling rules, including intelligent semantic tagging, to enable self-service data discovery.
- **Self-Service Data Discovery**
Analyze summary and detail results and statistics, comparing results over time and gaining an understanding of the data derived from semantic tags with intuitive self-service data discovery capabilities.
- **Data asset popularity**
Understand the usage and impact of data assets to improve efficiency by focusing on the reliability of your most used data assets.
- **Intelligent data observations**
Enable the system to automatically identify anomalies and outliers using machine learning. Observations include distribution, freshness, schema drift, value, and volume outliers, with the flexibility to adapt these rules to your unique needs.
- **Automated alerts**
Receive alerts as issues are identified with the ability to tune the alerts to your desired sensitivity level.
- **Integrated data catalog**
Enable users to explore the data catalog and configure observers on any data assets directly from the catalog.