

unravel™



DATASHEET

UNRAVEL FOR SNOWFLAKE

AI-Powered Data Actionability + FinOps Platform

Optimize Snowflake costs, accelerate query performance, and ensure data reliability with intelligent automation

Overview

Unravel for Snowflake is an AI-powered data observability and FinOps platform built specifically for Snowflake. It uses machine learning to provide cost visibility, warehouse optimization, and query tuning to maximize Snowflake ROI and accelerate data insights.

35%

MORE WORKLOADS

- AI-driven warehouse rightsizing and consolidation opportunities
- Real-time cost visibility by query, user, department, and warehouse
- Automated identification of underutilized resources and waste elimination
- Predictive spend forecasting with customizable budget controls

50%

ENHANCED QUERY PERFORMANCE

- SQL optimization recommendations addressing inefficiencies in filters, joins, and projections
- Automated detection of slow, failing, and expensive queries
- Performance tuning for complex queries leveraging Snowflake's MPP architecture
- Root cause identification for query bottlenecks

90%

LESS FIREFIGHTING TIME

- Continuous monitoring with intelligent anomaly detection
- Automated SRE workflows with root cause analysis
- Proactive alerts and guardrails for cost and performance issues
- Seamless integration with existing DevOps and monitoring tools

99%

SLA ACHIEVEMENT

- Faster time-to-value with actionable recommendations
- Automated performance tuning reduces manual optimization effort
- Enhanced capacity planning and resource allocation
- Improved data pipeline reliability and quality

Use Cases

Cost Optimization & FinOps

- Real-time monitoring and optimization of Snowflake spending across all resources
- Automated warehouse rightsizing and consolidation recommendations
- Cross-departmental cost allocation and budget management
- Strategic capacity planning and resource allocation

Performance Engineering

- SQL query optimization for faster execution and reduced resource consumption
- Warehouse performance tuning and sizing optimization
- Complex query analysis and bottleneck resolution
- Capacity planning and auto-scaling optimization

Operational Excellence

- End-to-end data pipeline monitoring and quality assurance
- Proactive issue detection and automated remediation
- SLA monitoring and performance guarantee enforcement
- Operational efficiency improvement through intelligent automation

Data Governance & Quality

- Comprehensive data observability and quality monitoring
- Storage optimization and data lifecycle management
- Metadata management and lineage tracking
- Compliance monitoring and audit trail maintenance

Customer Successes

"Unravel cut our cloud data costs by 70% in six months—and kept them down."

- Financial Services Company

"Unravel helped us improve the platform resiliency and availability multiple fold."

- Retail company

"Equifax receives over 12 million online inquiries per day. Unravel has accelerated data product innovation and delivery."

- Equifax

"Unravel helped us reduce the time to identify and optimize top inefficient queries, cutting compute by 24%"

- Fortune Healthcare company

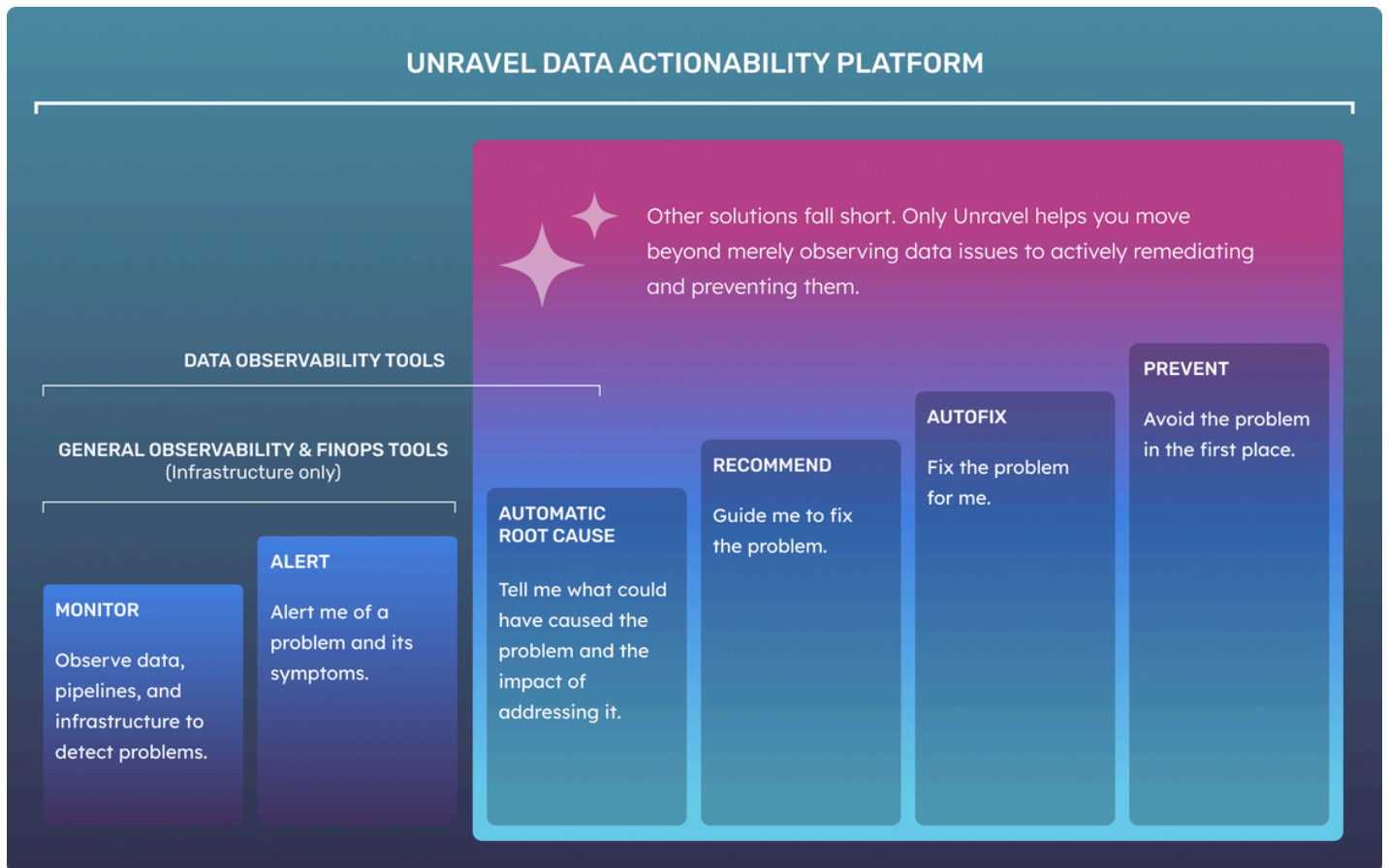
Industry Recognition

- Winner of Best Data Tool & Platform 2023 (SIIA CODiE Awards)
- Trusted by global brands including Maersk, Mastercard, Equifax, and Deutsche Bank

Key Results

- Customers experiencing 30-40% waste reduction in Snowflake spend and utilization
- Significant improvements in query performance and warehouse efficiency
- Faster time-to-value for data initiatives and AI implementations





Key Differentiators

Actionable Intelligence

Unlike traditional monitoring tools, Unravel emphasizes actionable diagnoses - not just showing inefficiencies but guiding users through fixing them or automating the fixes

Native Snowflake Integration

Purpose-built for Snowflake architecture with a deep understanding of pricing models, optimization opportunities, and platform-specific best practices

Comprehensive Coverage

End-to-end observability covering cost management, performance optimization, data quality, and operational excellence in a single platform

AI-Driven Automation

Advanced machine learning capabilities that provide intelligent recommendations and automated actions based on continuous analysis of your environment

Deployment Options

Snowflake Marketplace

Native app deployment directly through Snowflake Marketplace

SaaS Platform

Fully managed cloud service with automatic updates

Custom Configuration

Customized setup for specific organizational requirements

Security & Compliance

- SOC 2 Type II certification
- Native Snowflake security model integration
- Zero data movement requirements
- Enterprise-grade access controls and audit logging

Core Capabilities

Comprehensive Cost Management

- **Real-Time Cost Visibility:** Granular breakdown of warehouse usage, compute costs, and storage expenses by project, query, user, and department
- **Warehouse Optimization:** AI-powered recommendations for warehouse provisioning, runtime optimization, and auto-scaling efficiencies
- **Budget Management:** Customizable budget tracking with automated alerts and guardrails to prevent cost overruns
- **Chargeback & Showback:** Business-context cost allocation enabling precise department and team-level reporting

Advanced Query Optimization

- **SQL Performance Tuning:** AI-driven recommendations to improve query efficiency, including filter optimization, join improvements, and projection refinements
- **Anti-Pattern Detection:** Automated identification and resolution of common SQL inefficiencies and performance bottlenecks
- **Warehouse Sizing:** Intelligent recommendations for optimal warehouse size based on workload characteristics
- **Adaptive Warehouse Optimization:** Purpose-built AI for Snowflake's new Adaptive Compute, analyzing workloads, priority levels, and SLA requirements to recommend optimal spending thresholds and resource allocation strategies
- **Query Analysis:** Deep analysis of query execution plans with actionable optimization suggestions

Intelligent Automation

- **Speed, Cost, Reliability Optimizer:** Automated performance tuning with AI recommendations for application performance and cost efficiency
- **Auto-Scaling Intelligence:** Dynamic warehouse scaling based on predicted capacity needs to match demand
- **Automated Actions:** Configurable responses to common operational scenarios
- **Proactive Monitoring:** Continuous tracking with predictive analytics for issue prevention

Data Quality & Governance

- **Data Observability:** End-to-end monitoring of data pipelines and applications
- **Quality Integration:** Automated correlation of external data quality checks with AI-driven insights
- **Metadata Management:** Comprehensive KPIs and insights for Snowflake tables and data assets
- **Lineage Tracking:** Complete visibility into data flow and dependencies

Advanced AI Features

Purpose-Built for Snowflake

- **Snowflake-Specific Intelligence:** AI purpose-built for managing the Snowflake technology stack with deep observability at granular levels
- **Continuous Learning:** AI engine that adapts to your specific workload patterns and usage characteristics
- **Contextual Analysis:** Integration with existing Snowflake warehouse tags and custom labels for business-aligned insights
- **Predictive Analytics:** Forecasting capabilities for capacity planning, cost management, and performance optimization

Intelligent Recommendations

- **Warehouse Optimization:** Automated suggestions for warehouse consolidation, underutilization improvements, and sizing optimization
- **Query Enhancement:** Intelligent analysis using machine learning algorithms to identify patterns and anomalies, with root cause identification and optimization recommendations
- **Cost Efficiency:** AI-driven recommendations to reduce spending at warehouse and query levels
- **Performance Tuning:** Automated performance tuning that finds slow, failing, and expensive queries with AI-driven recommendations for efficiency improvements

Snowflake Native App: Health Check

Free Cost & Performance Assessment

Unravel's Health Check is a free Snowflake Native App available on Snowflake Marketplace that analyzes up to 30 days of Snowflake usage to deliver optimization recommendations across three key areas:

- **Warehouse Usage:** Rightsizing and consolidation opportunities to reduce costs
- **SQL Workload:** Query enhancements to address inefficiencies in filters, joins, and projections
- **Storage Usage:** Identification of "cold" tables and suboptimal feature usage

Key Advantages

- **Zero Data Movement:** Runs entirely within your Snowflake account with no security or privacy concerns as data never leaves your environment
- **Instant Results:** Users can see results within minutes of installation
- **Native Integration:** Built using Snowflake Native App Framework and Snowpark Container Services for sophisticated analysis
- **No Cost:** Available at no charge on Snowflake Marketplace

Enterprise Features

Comprehensive Monitoring & Alerting

- **Custom Dashboards:** Dashboard customization for at-a-glance summaries and drill-down insights for spend, performance, and unit costs
- **Advanced Alerting:** OpenSearch-based alerts beyond Snowflake's out-of-the-box alerts to enable early warnings of resource usage spikes
- **Real-Time Monitoring:** Continuous monitoring that automatically tracks query performance, resource utilization, and cost metrics
- **Integration Support:** Seamless connectivity with messaging systems, code repositories, and DevOps tools

Cost Governance & FinOps

- **Granular Cost Allocation:** Break down and allocate costs by department, team, workload, application, even down to individual job or user level
- **Budget Management:** Customizable budget tracking with automated guardrails and overage prevention
- **Unit Cost Analysis:** Compute + storage unit cost reporting with average cost per project, query, and user over time
- **Chargeback Reporting:** Visibility for cost allocation with chargeback/showback reports

Migration & Cloud Transformation Support

Cloud Migration Assistance

- **Pre-Migration Planning:** Granular insights, recommendations, and automation for before, during and after Spark, Hadoop and data migration to Snowflake
- **Performance Validation:** Comprehensive optimization and tuning during migration phases
- **Best Practice Implementation:** Automated application of Snowflake optimization patterns
- **ROI Measurement:** Detailed analytics to validate migration business case

Legacy System Integration

- **Hybrid Environment Management:** Unified monitoring across legacy and Snowflake environments
- **Migration Progress Tracking:** Real-time visibility into transformation initiatives
- **Comparative Analysis:** Performance and cost benchmarking between legacy and Snowflake workloads

**STOP WASTING
SNOWFLAKE SPEND.
ACT NOW WITH A
FREE HEALTH CHECK**

Optimize your Snowflake spend, boost performance, and increase ROI

Request your free report today at unraveldata.com/health-check-demo/.

Technical Specifications

Compatibility

- All Snowflake editions and regions
- Complete support for virtual warehouses and compute resources
- Integration with Snowflake's native features and security model
- Support for all Snowflake pricing models and configurations

Integrations

- **API-First Architecture:** Comprehensive REST APIs for custom integrations
- **Security Compliance:** SOC 2 Type II certification with enterprise-grade security controls
- **Authentication Support:** SAML/SSO integration with existing identity providers
- **Workflow Integration:** Native connectivity with CI/CD and monitoring ecosystems

Monitoring Capabilities

- Real-time query and warehouse performance tracking
- Historical trend analysis and predictive forecasting
- Custom KPI monitoring and reporting
- Automated anomaly detection and alerting

About Unravel Data

Unravel Data is a data observability and FinOps platform that provides full-stack visibility, AI-powered recommendations, and actionable automations to help optimize the performance, cost, and reliability of modern data applications.

For more information, visit unraveldata.com.