OKĒRA | snowflake

# SIMPLIFY DATA ACCESS CONTROL FOR SNOWFLAKE

Okera simplifies, standardizes, and dynamically enforces row-based filtering and fine-grained access controls consistently for all dashboarding, BI reporting, and similar SQL query tools accessing data in Snowflake.

Maximize the value of the Data Cloud and protect regulated, sensitive, and personal data.

Snowflake customers with analytical and BI reporting use cases can now use Okera to enforce granular access controls for data stored on the cloud data platform. Organizations can easily surface executive insights and streamline data-sharing between business units or external vendors, all while safeguarding access to confidential, sensitive data to comply with data security and privacy requirements.

Rather than managing complex roles or static views to implement fine-grained access control, Okera authorizes the query at run-time, dynamically pushing it down to Snowflake. By leveraging the power of attribute-based access control (ABAC), policies can be updated within seconds to comply with new regulatory requirements.

ARCHITECTURE
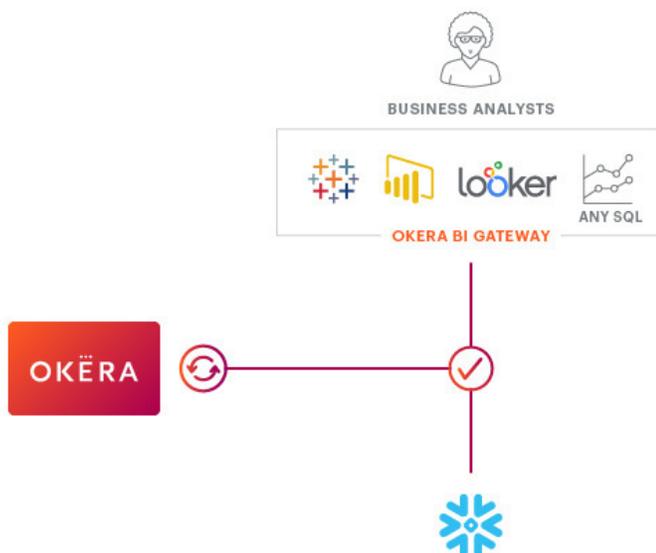
Okera's Dynamic Access Platform enables organizations to provision access to data through dashboarding and reporting tools faster and more securely by dynamically enforcing fine-grained access control. Unlike some alternatives, Okera's data authorization solution actually gets easier to use over time as you add more users, datasets, and use cases.

HOW IT WORKS

1. User runs dashboard, report, or SQL query.

2. Okera can rewrite queries to enforce user policies (hide, mask, tokenize, filter...)

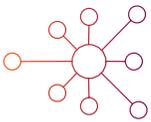3. Authorized query is pushed to the underlying data in Snowflake. Okera returns results to the client.

CONTROL

Dynamically apply user-appropriate row-level filters, data masking, and de-identification techniques at the point of query to comply with data privacy regulations and security mandates.

CENTRALIZATION

All data access policies can be managed and enforced in one place, instead of synchronizing data access controls across disparate end-user BI tools and Snowflake.
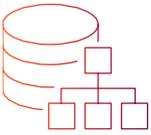
SIMPLICITY

Define user entitlements as human-readable data governance policies. Leverage user attribute data from external systems to build access policies and eliminate unmanageable view explosion and role bloat.
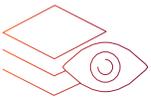
VISIBILITY

All data access requests are automatically logged for every individual user, down to the exact query, timestamp, access method, data attributes including sensitivity level, and whether requests are approved or denied.

ABOUT OKERA

Okera, the universal data authorization company, helps modern, data-driven enterprises accelerate innovation, minimize data security risks, and demonstrate regulatory compliance. The Okera Dynamic Access Platform automatically enforces universal fine-grained access control policies. This allows employees, customers, and partners to use data responsibly, while protecting them from inappropriately accessing data that is confidential, personally identifiable, or regulated. Okera's robust audit capabilities and data usage intelligence deliver the real-time and historical information that data security, compliance, and data delivery teams need to respond quickly to incidents, optimize processes, and analyze the performance of enterprise data initiatives. The company is headquartered in San Francisco and is backed by Bessemer Venture Partners, ClearSky Security, and Felicis Ventures. For more information, visit www.okera.com or contact info@okera.com.

CASE STUDY: SEMICONDUCTOR MANUFACTURING COMPANY

Problem:

- Migrating from Oracle Essbase to Snowflake

- Hundreds of personalized database views and roles were difficult to provision and manage

- Govern and protect ALL financial data and performance dashboards. minimize access to avoid insider trading and other risks

Solution:

- Dynamic row level security powered by user attributes
- Implemented governance on all financial data in 6 weeks

Outcome:

- 100x reduction in policy complexity
- Easy 24/7 onboarding