

Okera for Snowflake Data Cloud

Deliver Secure Data-Driven Applications Faster on Snowflake Data Cloud

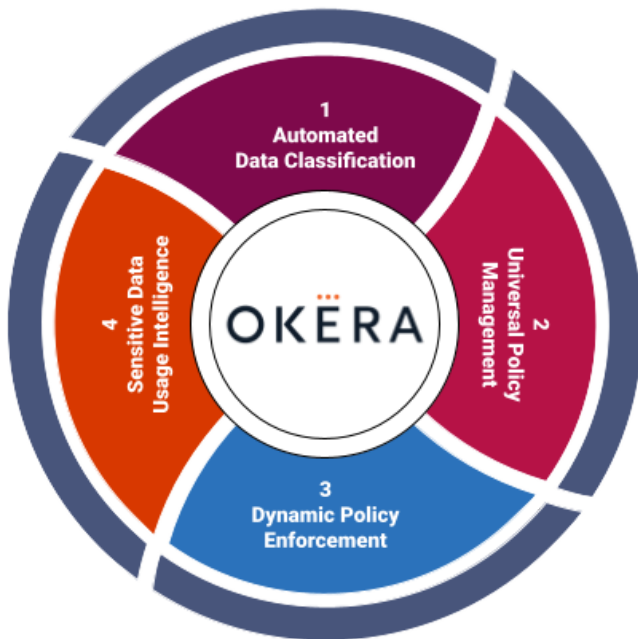


Drive data and applications to customers faster with Okera’s data security integration for Snowflake Data Cloud. Easily protect confidential, personally identifiable, and regulated data from inappropriate access and misuse. Okera is a trusted Snowflake Data Access Governance Accelerated partner.

Complexity is the enemy of security. Simplify and scale fine-grained data access control with Okera.

Whether you’re building analytic applications with **Streamlit**, ML models with **Snowpark**, traditional **BI dashboards**, or granting access to Snowsight **Worksheets**, the question of security confounds data product teams. **How do you maximize security and at the same time enhance the data consumer experience?** What options are sustainable and cost-effective?

Okera integrates with Snowflake Data Cloud to **simplify and natively enforce fine-grained data access control policies**, making it easier and faster for teams to deliver data products *and* demonstrate compliance.



From proofs-of-concept through enterprise-scale deployments, Okera automated data classification, universal policy management, and dynamic policy enforcement simplify data access governance. Accelerate compliance audits with usage intelligence on who has access to – and who has accessed – sensitive data.

KEY BENEFITS

COLLABORATION

Don’t burden data engineers with policy ambiguity. Use Okera to share authority and accountability with data stakeholders in security, compliance, and the business.

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.

SIMPLICITY

Define user entitlements as human-readable data governance policies. Leverage data and user attributes to build dynamic access policies that easily adapt to change.

CENTRALIZATION

All data access policies can be managed and enforced in one place. Stop implementing data access controls across applications and end-user visualization and BI tools.

VISIBILITY

Automatically log access requests down to the user, exact query, timestamp, access method, data attributes including sensitivity level, and whether requests are approved or denied.

FGAC: Fine Grained Access Control

ABAC: Attribute Based Access Control

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Migrate Sensitive Data to Snowflake Data Cloud



Migrate sensitive data workloads to Snowflake Data Cloud while enhancing security, regulatory compliance, and operational efficiency. Standardize on **single-source-of-truth** datasets in Snowflake, allow data stakeholders to collaborate in Okera to define rich ABAC policies, then synchronize to Snowflake for **fast, simple, and native enforcement** of column, masking, and row-level data security policies.

Single Source-of-Truth Data in Snowflake Data Cloud

COUNTRY	CONTACTNAME	EMAIL	PHONE	...
France	Annette Roulet	baylott1y@exblog.jp	61.77.6555	
USA	Rosa Hernandez	fglanister24@google.cn	2155559857	
France	Laurence Lebihan	lyakhin5@dagondesign.com	91.24.4555	
UK	Thomas Hardy	ichick2a@gizmodo.com	(171) 555-7555	
Philippines	Arnold Cruz	gsootsq@unc.edu	+63 2 555 3587	

```
select country, contactname, email, phone from customer_contact_details limit 5;
```

Before Okera: data scientist was over-provisioned

COUNTRY	CONTACTNAME	EMAIL	PHONE	...
France	Annette Roulet	baylott1y@exblog.jp	61.77.6555	
USA	Rosa Hernandez	fglanister24@google.cn	2155559857	
France	Laurence Lebihan	lyakhin5@dagondesign.com	91.24.4555	
UK	Thomas Hardy	ichick2a@gizmodo.com	(171) 555-7555	
Philippines	Arnold Cruz	gsootsq@unc.edu	+63 2 555 3587	

After Okera: row-level filter, tokenize, redact

COUNTRY	CONTACTNAME	EMAIL	PHONE
France	Laurence Lebihan	mmugwsh3@phvrrnmngx.esq	REDACTED
France	Paul Henriot	mmugwshfq5@rrnmngxd.sqy	REDACTED
France	Carine Schmitt	mmugwshfq@hvrnmngxde.qyk	REDACTED
France	Mary Saveley	mmugwshfq@hvrnmng.des	REDACTED
France	Dominique Perrier	mmugwsh@qphvrrnmngxd.sqy	REDACTED

Before Okera: analyst was locked out

002003 (42S02): SQL compilation error:

Object 'CUSTOMER_CONTACT_DETAILS' does not exist or not authorized.

After Okera: row-level filter, masking, null

COUNTRY	CONTACTNAME	...	EMAIL	PHONE
USA	XXXXXX Tam		xxxxxxxxxxxxxxxxxxxxxxxx	null
USA	XXXi Yu		xxxxxxxxxxxxxxxxxxxxxxxx	null
USA	XXX Kuo		xxxxxxxxxxxxxxxxxxxxxxxx	null
USA	XXXXXXXXXajas		xxxxxxxxxxxxxxxx	null
USA	XXXXXXXXrown		xxxxxxxxxxxxxxxxxxxxxxxx	null

Okera is a Snowflake Data Access Governance Accelerated partner. Okera is available as SaaS or customer-managed, and works with all editions of Snowflake Data Cloud.

For more information visit okera.com/partners/technology-snowflake/