Dasera + Snowflake

Better Together

Automating Data Security and Governance
Controls for Snowflake Users

DASERA

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Congratulations! By choosing Snowflake, you've embarked on a transformative journey to revolutionize your data management and analytics capabilities. Snowflake's cloud data platform has shattered the barriers of traditional data storage, offering unparalleled scalability, flexibility, and performance. Now, you have the power to unlock the true potential of your data like never before.

As you navigate this new era of data-driven decision-making, safeguarding sensitive information throughout its lifecycle becomes paramount. The stakes are higher than ever, with data breaches and regulatory non-compliance making headlines daily. That's where Dasera, the steadfast protector of your Snowflake data, steps in to ensure your data remains secure.

Dasera understands the critical importance of data security and governance. We know that your data is the lifeblood of your organization, containing the insights and intelligence that drive your business forward. That's why we've developed a comprehensive data security and governance platform that seamlessly integrates with Snowflake, empowering you to protect your data at every stage of its journey.

In this white paper, we will delve into the remarkable benefits of Dasera for Snowflake customers. Together, we will explore how Dasera strengthens the security and integrity of your data within the Snowflake ecosystem. We will examine organizations' challenges in safeguarding sensitive information and how Dasera's automated data security controls provide a robust defense against threats and vulnerabilities.
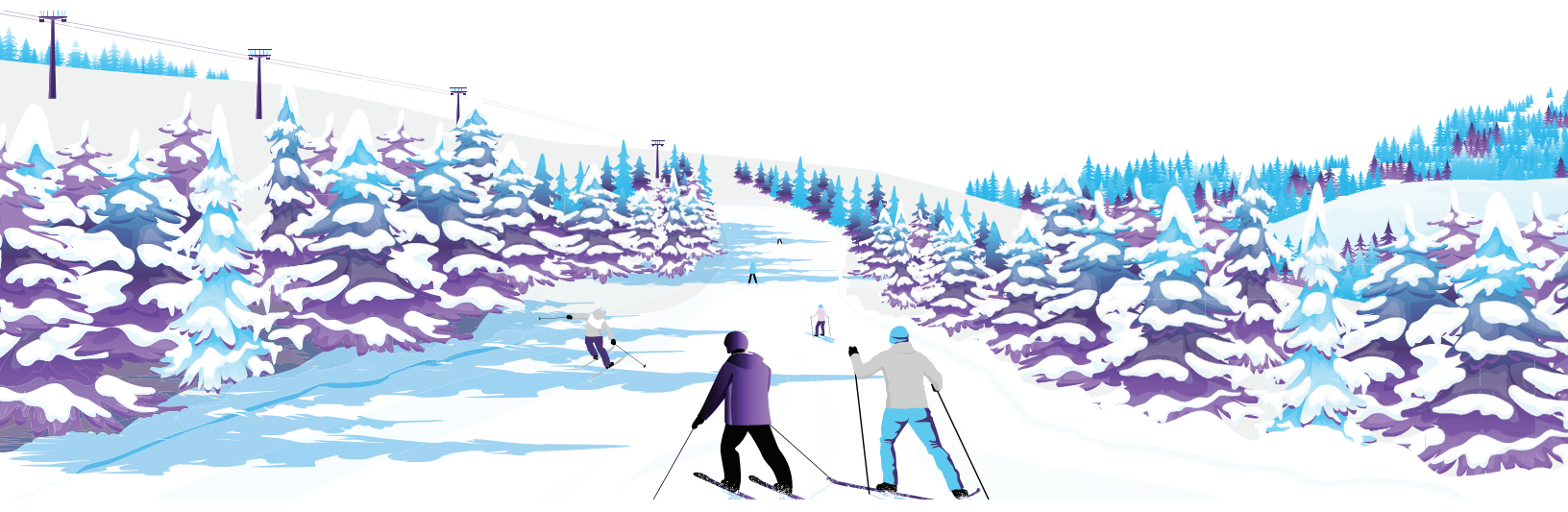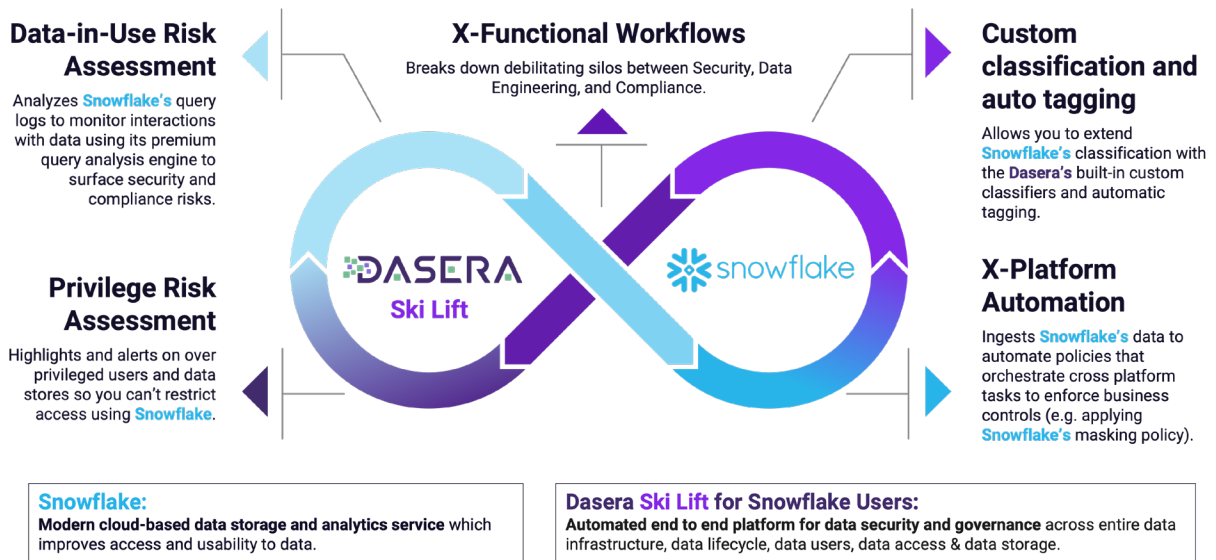
Unveiling the Power of Snowflake

Picture this: you were once burdened with an array of data sources and stores, struggling to navigate the hurdles of scalability and efficiency. Performance issues, resource contention, and the complexities of data management were ever-present challenges. But then, Snowflake arrived on the scene, disrupting the status quo. With its ingenious separation of compute and storage, a new era of possibilities unfolded.

Gone are the days of marketing interns and their dreadfully slow queries, bringing your entire data warehouse to a grinding halt. Snowflake's revolutionary approach empowers you to create highly independent and infinitely scalable compute clusters. No longer constrained by performance limitations, you can effortlessly add compute power with the push of a button. The dream of a single source of truth becomes a reality as data marts and silos are dismantled, paving the way for unified insights and enhanced collaboration.

Snowflake's power lies in its ability to divorce compute from storage, liberating your data and unlocking unprecedented agility. The stage is set for a transformative journey where the true potential of your data can be harnessed and unleashed. However, while Snowflake empowers you with unparalleled capabilities, protecting sensitive data throughout its lifecycle remains a critical responsibility.

Enter Dasera, your unwavering ally in safeguarding your Snowflake data. With Dasera, you can rest assured that your data remains secure and protected. Let us delve deeper into the remarkable benefits that Dasera brings to the Snowflake ecosystem, enabling you to maximize the value of your data while maintaining the highest standards of security and governance.

Data-in-Use Risk Assessment

Analyzes Snowflake's query logs to monitor interactions with data using its premium query analysis engine to surface security and compliance risks.

X-Functional Workflows

Breaks down debilitating silos between Security, Data Engineering, and Compliance.

Custom classification and auto tagging

Allows you to extend Snowflake's classification with the Dasera's built-in custom classifiers and automatic tagging.

Privilege Risk Assessment

Highlights and alerts on over privileged users and data stores so you can't restrict access using Snowflake.

X-Platform Automation

Ingests Snowflake's data to automate policies that orchestrate cross platform tasks to enforce business controls (e.g. applying Snowflake's masking policy).

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Ski Lift

snowflake

Snowflake:
Modern cloud-based data storage and analytics service which improves access and usability to data.

Dasera Ski Lift for Snowflake Users:
Automated end to end platform for data security and governance across entire data infrastructure, data lifecycle, data users, data access & data storage.

Embracing Responsibility with Dasera

But remember, "With great power comes great responsibility." As you embark on your journey with Snowflake, embracing its unparalleled potential, safeguarding sensitive data becomes a paramount obligation. At this crucial moment, Dasera steps forward as your unwavering partner, dedicated to securing your data lifecycle within the Snowflake ecosystem. With Dasera, you can confidently fulfill your responsibility, knowing your data is protected at every step.

Dasera brings forth a comprehensive data security and governance platform that seamlessly integrates with Snowflake, amplifying its capabilities and providing you with the essential tools to fortify your data's security. Snowflake and Dasera form an unbreakable alliance, empowering you to navigate the complex data management landscape with unparalleled efficiency and peace of mind.

Through its deep understanding of the four crucial variables - data infrastructure, attributes, data users, and data usage - Dasera empowers you to establish a secure data-driven growth strategy, minimizing risk and maximizing value. By automating data security and governance controls, Dasera ensures that every aspect of your data's journey is meticulously protected, enabling you to confidently leverage your data to drive insights, make informed decisions, and achieve your strategic objectives.

Dasera brings forth a comprehensive data security and governance platform that seamlessly integrates with **Snowflake.**

The Journey Begins - Automated Data Security

The first step of this journey begins with Dasera's automated discovery and classification capabilities. Dasera tirelessly scans your expansive Snowflake data lakehouse to continuously identify structured and semi-structured data stores.

Dasera's comprehensive scanning process goes beyond mere identification. It diligently samples and classifies every data field, allowing you to gain invaluable real-time insights into your data security posture. By automatically categorizing data fields based on their sensitivity, Dasera empowers you to understand the inherent risks of different data types. With this newfound knowledge, you can prioritize security measures and allocate resources effectively, ensuring your data is always protected.

Furthermore, Dasera's classification capabilities extend beyond generic classifications. While Dasera includes a multitude of built-in sensitive data classifiers, such as Mailing Addresses or Social Security numbers, it recognizes the unique nature of your organization's data. Dasera enables you to define custom regular expressions, allowing it to identify and classify sensitive data specific to your environment. This tailored approach ensures that Dasera's

classification process aligns perfectly with your data landscape, providing you with accurate and granular insights into the sensitivity of your data.

But it doesn't stop there. Dasera goes the extra mile to ensure your data remains compliant with data privacy regulations such as GDPR (General Data Protection Regulation) and CCPA (California Consumer Privacy Act). By tagging data fields with the regulations that apply to them, such as GDPR and CCPA, Dasera helps you maintain compliance effortlessly. With Dasera, you can rest assured that your data handling practices align with the stringent privacy regulations requirements, mitigating the risk of costly penalties and reputational damage.

Empowering Snowflake Customers with Risk Detection and Mitigation

As you continue your journey with Dasera, you unlock advanced capabilities beyond data discovery and classification. Dasera's commitment to data security extends to continuous risk detection and mitigation, ensuring your sensitive data remains safeguarded against emerging threats and unauthorized access.

Dasera monitors every aspect of data access, usage, and user behavior within your Snowflake environment. Through this vigilant surveillance, Dasera is constantly scanning for potential security risks and suspicious activities that could compromise the integrity and confidentiality of your data.

By employing a proactive approach, Dasera enables you to stay one step ahead of potential threats. It swiftly identifies anomalies, deviations, or patterns that deviate from established norms, alerting you in real-time to security risks. With this early warning system, you can promptly assess each detected risk's gravity.

Dasera's risk detection capabilities extend beyond mere identification. With detailed insights into the scope and nature of the detected risks, you can prioritize your mitigation efforts effectively. Dasera empowers you to make informed decisions regarding risk mitigation strategies, allowing you to allocate resources efficiently and focus on areas that pose the highest threat to your sensitive data.

But Dasera continues beyond detection and assessment. It empowers you to take immediate action to mitigate identified risks. With Dasera by your side, you have the tools and capabilities to implement robust security controls and enforce compliance measures in real-time. Dasera's automated remediation workflows streamline resolving security and compliance violations throughout the data lifecycle, ensuring that potential vulnerabilities are swiftly addressed and mitigated.

With Dasera's risk detection and mitigation capabilities, you gain unparalleled control over the security of your Snowflake environment. By promptly detecting and addressing potential threats, you fortify the barriers to protecting your sensitive data, mitigating the risk of unauthorized access and potential data breaches. Dasera's proactive approach ensures that your data security remains a top priority, allowing you to confidently navigate the ever-evolving threat landscape.
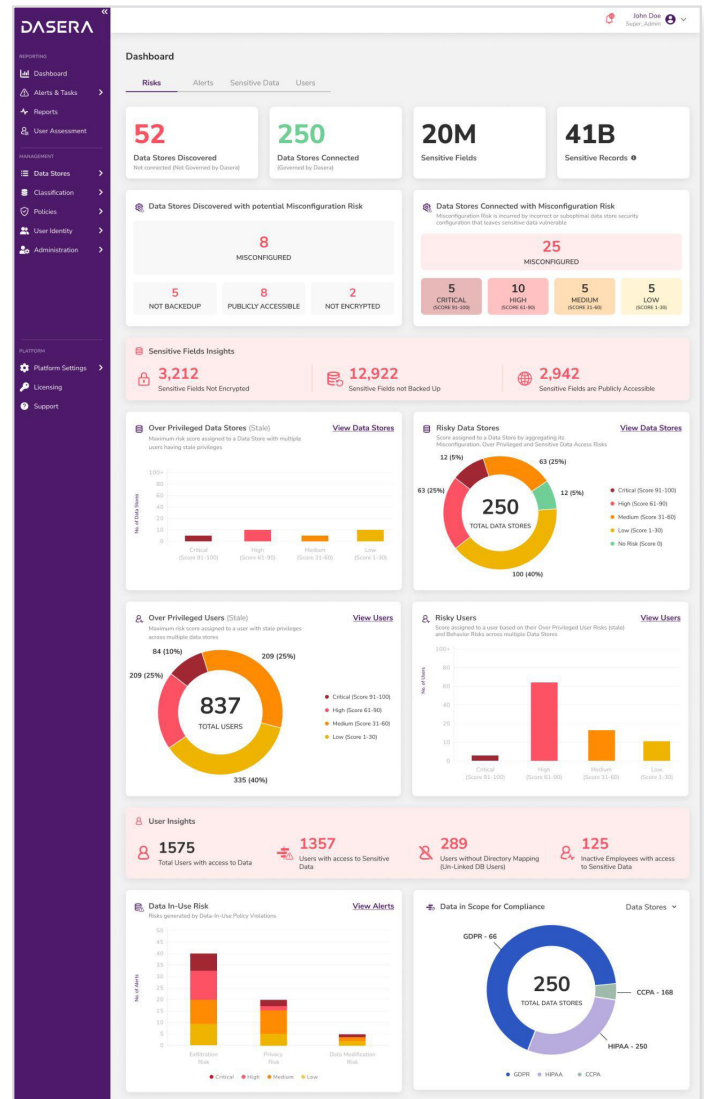
Query Analysis and Data In-Use Monitoring

In addition to its exceptional risk detection and mitigation capabilities, Dasera brings forth powerful features to defend your data: its advanced query analysis and data-in-use monitoring functionalities. As you continue your journey with Dasera, you gain invaluable insights into how your data is accessed, utilized, and manipulated within your Snowflake environment.

Dasera's query analysis engine is designed to automatically find, flag, and fix unsafe queries in your data warehouses. By leveraging sophisticated algorithms and intelligent pattern recognition, Dasera identifies potentially risky queries that may pose security and compliance concerns. These queries could range from unauthorized access attempts to data manipulation attempts that violate established data policies.

With Dasera's query analysis, you can proactively address potential risks before they escalate, minimizing the chances of unauthorized data access and ensuring the integrity and confidentiality of your sensitive information. By swiftly identifying and flagging risky queries, Dasera empowers you to take immediate action, remedying any security or compliance violations throughout the data lifecycle.

Furthermore, Dasera goes beyond query analysis and extends its monitoring capabilities to the actual usage of your data. By actively monitoring data in use, Dasera

provides comprehensive visibility into how your data is accessed, utilized, and shared within your Snowflake environment. This real-time monitoring enables you to detect unauthorized or suspicious data usage, ensuring your data remains protected and compliant with applicable regulations.

With Dasera's query analysis and data-in-use monitoring, you gain unparalleled control and visibility over how your data is utilized within Snowflake. By proactively identifying and addressing potential risks, you fortify your data security measures, reducing the likelihood of data breaches, compliance violations, and unauthorized access.

Ski Lift: Elevating Your Data Security and Governance to New Heights

As Snowflake users, you already understand the power of Snowflake's data storage and analytics capabilities. But what if we told you there's a way to enhance further and elevate your data security and governance controls? Introducing Ski Lift, Dasera's new, full-featured offering explicitly designed for Snowflake customers.

Ski Lift is the ultimate solution to automate your data security, governance, and access controls within Snowflake. It empowers you to scale your data security and governance in minutes, providing a panoramic view of your Snowflake environment. With Ski Lift, you can confidently harness your data's full potential, knowing your sensitive information is protected. So, what does Ski Lift offer you? Let's take a closer look:

Find: With Ski Lift, you can effortlessly discover and protect your data. It offers automated classification and tagging, allowing you to gain real-time insights into your data security posture. Ski Lift helps you identify sensitive data, such as personally identifiable information (PII), financial records, or intellectual property, ensuring accurate identification and prioritization of security measures.

Flag: Ski Lift enables you to continuously monitor and detect risks from user access, data usage, misconfigurations, and more. By leveraging advanced algorithms, Ski Lift keeps a vigilant eye on your Snowflake environment, alerting you to suspicious or abnormal behavior. You can proactively address potential threats and prevent data breaches or compliance violations with timely risk detection.

Fix: Ski Lift doesn't just identify risks; it also helps you auto-remediate security and compliance violations throughout the data lifecycle. With automated remediation capabilities, Ski Lift streamlines the process of enforcing data policies, ensuring that violations are swiftly addressed and resolved. This proactive approach minimizes the impact of security incidents, maintaining the integrity and confidentiality of your data.

Flow: Ski Lift offers fast and self-service deployment within minutes, allowing you to experience accelerated value with rapid risk assessments and automated alerts. The intuitive user interface and streamlined workflows make it easy for you to navigate and leverage the full potential of Ski Lift. And don't worry. Our team of experts is always ready to assist you as your trusted "ski" instructors, ensuring a smooth and successful implementation.

Ski Lift is the perfect complement to Snowflake, enabling you to take your data security and governance to the next level. By automating critical processes, providing real-time risk detection, and offering seamless integration with Snowflake, Ski Lift empowers you to unlock the full potential of your data while ensuring regulatory compliance and minimizing security risks

Conclusion

Snowflake's unparalleled scalability, flexibility, and performance enable you to revolutionize your data management and analytics capabilities. In contrast, Dasera's comprehensive data security and governance platform seamlessly integrates with Snowflake ensuring your data remains secure and protected throughout its lifecycle. By automating the discovery and classification of your data, Dasera enables you to comply with data privacy regulations and effectively protect sensitive information. Its advanced algorithms monitor data access, usage, and user behavior, alerting you to potential risks and suspicious activities and allowing you to detect, assess, and mitigate risks promptly.

But Dasera goes beyond risk detection and mitigation. Its query analysis and data-in-use monitoring capabilities provide deep insights into how your data is accessed, utilized, and manipulated within Snowflake. This granular visibility empowers you to address vulnerabilities and ensure your sensitive data's integrity, confidentiality, and compliance.

Embrace the power of Dasera and Snowflake today, and embark on a safe and innovative data management journey. **Visit our website** to learn how Ski Lift for Snowflake users can transform your data security landscape.

About Dasera

Dasera is a comprehensive data security platform that automates data security and governance controls, safeguarding your company's structured and unstructured data throughout its entire lifecycle, both on-prem and in the cloud. Dasera offers continuous data usage and storage visibility, promptly detecting risks and aligning data security strategies with business objectives.

Don't wait any longer – **contact our data security experts at Dasera** to learn how we can help you navigate the complexities of data management and security and unlock your business's full potential.

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