Solution Brief

Netskope One Data Security

Netskope's unified data security solution safeguards sensitive data in cloud applications, endpoints, and collaboration tools, extending beyond traditional security perimeters. Acting as the hub of this solution is the Netskope One DataSec Command Center. It is the control plane that simplifies and accelerates data protection by consolidating data security insights from disparate channels into a single, workflow-driven user experience.

Quick glance

- Use the DataSec Command Center to map actionable incidents, data lineage, and unify insights.
- Deploy AI-powered agents for automated incident triage at machine speed.
- Consolidate security operations into a truly unified UX, with one single enforcement plane.
- Uncover and map shadow data, unmanaged infrastructure as a service (IaaS) buckets, and unsanctioned software as a service (SaaS).
- Trace the full chain of data movement from origin to destination in seconds.
- Move from a critical finding to resolution in clicks using guided response playbooks.

One of Netskope's customer environments processes 14M data loss prevention (DLP) alerts, and 2.2M DLP incidents per day with the help of the DLP AISecOps's automated triage and investigation agent.

The challenge

Cloud computing and distributed work have increased productivity, but they have also led to fragmented data security across disconnected environments. On-premises, cloud, and edge systems each carry their own tooling, creating blind spots, inconsistent policy enforcement, and elevated breach risks.

Organizations face a major hurdle: they lack a clear starting point for their data protection journey. Too much is implicit about what to protect and how to configure it, leading to stalled adoption, critical coverage gaps, and an inability to track sensitive data as it moves.

Netskope One Data Security

Netskope's unified data security solution safeguards sensitive data in cloud applications, endpoints, and collaboration tools, extending beyond traditional security perimeters. It transforms data security from a fragmented hurdle into a streamlined business enabler. It eliminates the implicit guesswork of security configurations by providing a summarized view of risk and automated playbooks. By unifying signals from data at rest and data in motion into a single workflow, organizations achieve complete coverage with zero context switching. Netskope One Data Security accommodates inline web and software as a service (SaaS) traffic, next generation secure web gateway (NG-SWG), cloud access security broker (CASB) API, and endpoints.

Discover and protect data everywhere

As data proliferates across an organization's environment, finding it becomes increasingly challenging. Netskope One addresses this by providing deep insights into all data, enabling organizations to achieve comprehensive protection and control. This comprehensive solution safeguards both structured and unstructured data at rest, in motion, and in use across all channels, including web traffic, email, cloud applications such as software as a service (SaaS), endpoints, private apps, and infrastructure as a service (IaaS), ensuring consistent protection across the entire digital ecosystem.

Key capabilities include:

- Discover sensitive data at rest in managed cloud services such as Microsoft 365 and AWS using API-enabled controls.
- Continuously scan IaaS storage services like AWS for data movement or inadvertent exposure.
- Detect and monitor data in motion between thousands of cloud apps and services, including instances, using inline controls.
- See and control how data moves between cloud apps and instances leveraging AI-powered data loss prevention (DLP) to inspect that movement in the context of cloud app risk and user risk without relying on tenant restrictions. Gain visibility into whether users are on premises or remote, using browsers, sync clients, or mobile apps.
- Go beyond content analysis by inspecting metadata, hidden fields, and comments.
- Deliver seamless, multi-modal data security across all domains and states of data through a unified user experience.
- Accelerate data security and simplify day-to-day operations by summarizing signals, prioritizing risks, and recommending or assisting with the next best action.
- Reduce the cognitive load on security teams so they can focus on strategic decisions rather than manual data wrangling.

Netskope One Data Security protects data everywhere it lives and moves — using DataSec Command Center, DLP, DSPM, NG-SWG, CASB API, and data lineage to discover, trace, and remediate risk.

Secure AI usage

Security leaders are struggling to keep corporate data safe as organizations increasingly use AI to achieve their business goals. With this trend showing no signs of slowing down, we have to address the security concerns brought about by this new reality. Organizations can now drive innovation without sacrificing protection or performance. Netskope One provides unparalleled visibility and granular control over AI-powered SaaS applications, allowing security teams to monitor access, enforce real-time data protection, and prevent sensitive information from being exposed.

Key capabilities include:

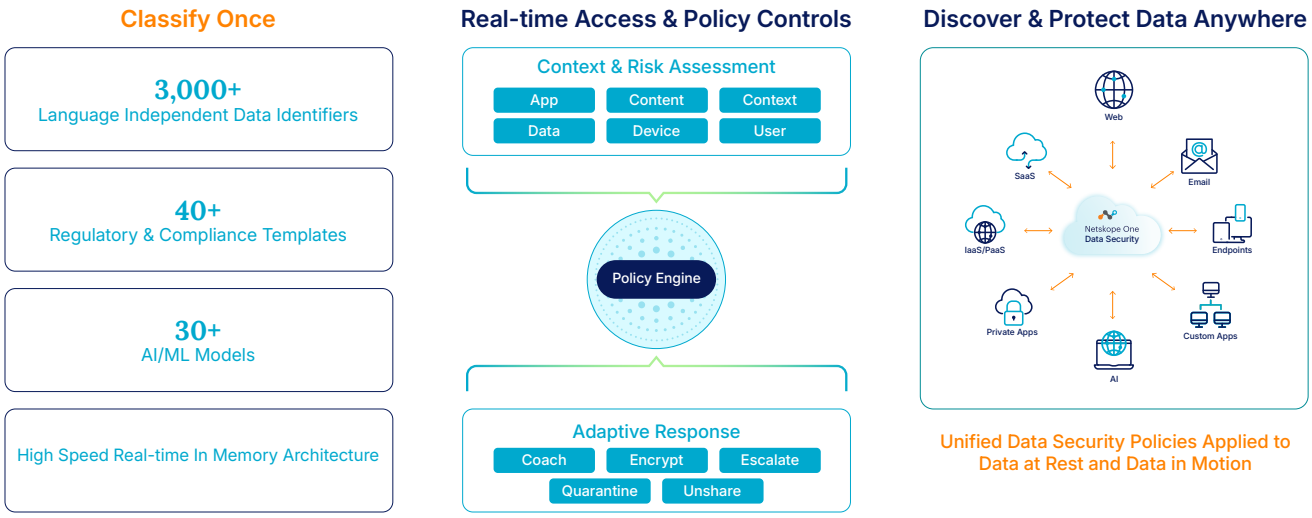
- Secure deployment of AI applications through implementing controls, enforcing secure API connections, and unifying SaaS protection.
- Data loss prevention in AI workflows by monitoring sensitive data usage and leveraging data classification and masking.
- Threat detection and response using AI-driven threat protection, proactively addressing vulnerabilities, and uncovering insider threats.
- Policy enforcement and user coaching through automated, real-time guidance and enforcing data usage policies.
- Compliance and risk mitigation by aligning AI use with industry-specific regulations, maintaining audit trails, and consolidating security capabilities.

Can you answer these 4 key questions:

- Where is your data?
- What type of data do you have?
- Who has access to it?
- How risky are the data interactions?

Netskope One Data Security

Platform Approach to Data Security is Comprehensive, Effective and Efficient



Manage data security posture

As data environments grow more complex and cyber threats evolve, the need for unified data security across cloud and on-prem systems has never been greater. Where is all your data? What is the nature of that data? Who has access to it? How risky is your data usage?

The Netskope One DataSec Command Center uses a discovery dashboard and data topology view to provide a full catalog of data stores across IaaS, platform as a service (PaaS), on-prem, and SaaS applications with relationship mapping.

Netskope One Data Lineage and the risk explorer track data movement and sensitivity propagation from origin to destination, allowing teams to stitch together the full chain of an event in seconds.

Key capabilities include:

- Gain visibility: Discover and classify data across all environments, including shadow data stores, ensuring compliance with data sovereignty policies.
- Manage permissions, monitor access, and enforce strict controls so sensitive data remains accessible only to authorized users.
- Prioritize and secure every data interaction by setting alerts, enforcing governance standards, and ensuring end-to-end encryption.
- Translate risk signals from data and security posture into profile adjustments and automated remediation to close the loop from insight to action.

Support privacy and compliance

Maintain data privacy and meet regulatory compliance mandates with the EU's General Data Protection Regulation (GDPR), California Consumer Privacy Act (CCPA), U.S. Health Insurance Portability and Accountability Act (HIPAA), Gramm-Leach-Bliley Act (GLBA), and Payment Card Industry Data Security Standard (PCI DSS), and others through advanced DLP, granular access controls, audits, reporting, and strong encryption of sensitive data.

Key capabilities include:

- Apply granular auditing for all user activity in the cloud and web, including which cloud service was used, website accessed, the activities performed, the data, location, device, and more.
- File encryption in real time without impacting user productivity.
- Leverage more than 40 compliance templates for global data protection regulations.
- Generate regular compliance reports on service usage to inform cloud security policies.
- Govern the usage of cloud services and websites based on contextual details such as user, app, device, location, activity, and content to meet compliance and risk standards.

Minimize exfiltration risk and malicious and negligent data exposure

Organizations are constantly at risk of data breaches due to the ingenuity of attackers and the unintentional actions of their own employees. A single click or response can lead to unauthorized access, making insider threats and negligent user behavior major concerns.

Netskope's unified data security offers a solution by monitoring and mitigating data exposure, oversharing, and personal app and shadow IT usage. Security teams can utilize unified policy controls and user and entity behavior analytics (UEBA)-driven data protection to minimize risk across email, detachable drive, and bulk downloads.

Key capabilities include:

- Restrict personal app and shadow IT usage.
- Prevent oversharing and transfers in bulk or email.
- Defend against command and control (C2)-driven and other targeted attacks.
- Proactively identify malicious outsiders.

BENEFITS	DESCRIPTION
Mitigate data security risks	Protect your data across all states, whether at rest, in motion, in the cloud, on premises, or on endpoints. The Netskope One DataSec Command Center unifies signals, cuts guesswork, and speeds protection through one integrated view of risk.
Enhanced context and actionable lineage	Go beyond surfacing risks by tracing the full chain of data movement from origin to destination in seconds. Netskope One Data Lineage provides the complete paper trail, full history, and user context to enable faster, more confident incident response.
Reduce cost and complexity	Move from managing five or more disconnected tools to a single, workflow-driven user experience. By unifying signals and policy management into a single enforcement plane, organizations reduce overhead, eliminate context switching, and ensure data security adoption never stalls.
Achieve compliance and govern shadow data	Uncover and map shadow data, unmanaged IaaS buckets, and unsanctioned SaaS to bring them under corporate governance. The Netskope One DataSec Command Center provides full visibility to manage your data security posture, ensuring adherence to regulatory requirements before exposure becomes a liability.

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