



Prisma: Cloud Data Protection

Automatically discover, classify, and protect sensitive data across SaaS applications and public cloud storage

The Challenge

The concept of data residing only in a single, centralized location does not typically apply to modern organizations. Data is now distributed across multiple locations, including many outside a given organization's control. Wherever the data is located, IT organizations are still responsible for securing it as it moves.

Not all data is the same, however. An organization's data can be its core value (intellectual property), a potential liability (customers' private data), or completely benign and unimportant. With a single organization's data spread across multiple cloud storage environments and software-as-a-service (SaaS) applications with varying levels of visibility and control, it is critical to gain a deep understanding of what assets are out there and the context of how they are exposed.

What You Need

Ensuring data protection across multi-cloud deployments and SaaS applications requires:

- **Data and asset discovery** across dynamic SaaS applications and multi-cloud storage deployments.
- **Data and asset classification**, using machine learning to identify sensitive data.
- **Data monitoring**, including implementation of data loss prevention (DLP), to ensure security best practices are followed as well as detect suspicious activities using heuristics.
- **Data protection** to automatically remediate new risks as they appear through data exposure or threat insertions, ensuring sensitive data stays private and exposure to threats is prevented.
- **Seamless user experience** that doesn't force additional steps or introduce significant latency in the use of applications as you add new security tools.

The Right Approach

Prisma™ is the industry's most complete cloud security offering for today and tomorrow. It accelerates your journey to the cloud by providing unprecedented risk visibility as well as consistently governing access, protecting data, and securing applications.

To ensure data protection, Prisma enables automated discovery, classification, monitoring, and protection of data across cloud storage and SaaS applications, and performs automated remediation before leaks can occur. It does this through a combination of services:



Prisma SaaS controls access and usage of SaaS applications in addition to automatically discovering and classifying data across SaaS applications by using advanced data loss prevention (DLP) technology. With complete visibility into all user, folder, and file activity across SaaS applications, you can quickly determine if there are any data risk- or compliance-related policy violations. With a multi-mode approach to a cloud access security broker (CASB), you can ensure SaaS applications are secure and threats as well as data leaks are prevented.



Prisma Public Cloud dynamically discovers cloud resources and sensitive data across Google Cloud Platform (GCP™), Amazon Web Services (AWS®), and Microsoft Azure® to detect risky configurations, network threats, suspicious user behavior, malware, data leakage, and host vulnerabilities.

Built for the Future

No matter where you are on your journey to the cloud, Prisma can help:

- Cloud-enabled mobile workforce
- Cloud-connected branch
- Zero Trust cloud security
- Cloud governance and compliance
- Cloud data protection
- Cloud threat protection
- Secure DevOps

To learn more about how Prisma can enable your key cloud initiatives, visit www.paloaltonetworks.com/prisma.



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