

Prisma Cloud At a Glance



Complete Cloud Security from Palo Alto Networks

Prisma™ Cloud delivers complete security across the development lifecycle on any cloud by providing broad security and compliance coverage for the entire cloud native technology stack as well as applications and data throughout the entire application lifecycle, across multi-cloud and hybrid cloud environments. Only Prisma Cloud takes a deeply integrated approach that enables SecOps and DevOps teams to collaborate effectively and accelerate the deployment of secure applications.

Get complete cloud native security

- Deliver complete visibility, automation, detection, and response across any compute resource, network, or cloud service.
- Enforce hundreds of out-of-the-box governance policies that provide a robust cloud security posture and help ensure compliance.

Enjoy full lifecycle coverage

- Eliminate issues early and prevent alert fatigue by seamlessly integrating security early and throughout the application lifecycle, from IDE, SCM, CI/CD, and registries to runtime.
- Leverage continuous vulnerability management and automated risk prioritization across the entire cloud native stack and lifecycle. Easily investigate any incident.

Secure across any cloud

- Monitor, secure, and maintain compliance on hybrid and multi-cloud environments with a single integrated platform.
- Leverage purpose-built solutions for public clouds, such as Amazon Web Services (AWS), Google Cloud Platform (GCP®), and Microsoft Azure®, as well as secure your on-premises investments like OpenShift®.

Prisma Cloud Pillars

Visibility, Governance, and Compliance

The first step to establishing a strong security posture is gaining deep, contextual visibility. Prisma Cloud gives you insight into all cloud resources along with their security and compliance posture. Once you know what you have, where you have it, and how secure it is, you can build and enforce customizable governance policies that keep your cloud compliant across both internal and external standards.

- ✓ Asset inventory
- ✓ Governance and compliance
- ✓ Data security

Compute Security

The cloud native landscape is constantly evolving with new technologies and levels of abstraction. Hosts, containers, and serverless workloads provide unique benefits and have different security requirements. Prisma Cloud provides best-in-class solutions for securing any type of cloud native workload, throughout the development lifecycle, against vulnerabilities and active threats, using automated machine learning to build 4D models of known good application behaviors.

- ✓ Vulnerability management
- ✓ Runtime security
- ✓ Application security



Visibility, compliance, and governance
Understand security posture, maintain compliance, enforce guardrails



Compute security
Secure containers, hosts, and functions across the application cycle



Network protection
Monitor and secure cloud networks, enforce microsegmentation



Identity security
Enforce permissions and secure identities across workloads and clouds

Figure 1: Prisma Cloud capabilities

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Network Protection

Network protection must be adapted for cloud native environments while still enforcing consistent policies across hybrid environments. Prisma Cloud detects and prevents network anomalies by enforcing container-level microsegmentation, inspecting traffic flow logs, and leveraging advanced cloud native Layer 7 threat prevention.

- ✓ Network visibility and anomaly detection
- ✓ Identity-based microsegmentation
- ✓ Cloud native firewalling

Identity Security

Managing a large number of privileged users with access to an ever-expanding set of sensitive resources can be challenging. On top of that, cloud resources themselves have permission sets that need to be managed. Prisma Cloud helps you leverage the identity of cloud resources to enforce security policies and ensure secure user behavior across your cloud environments.

- ✓ Identity and access management (IAM) security
- ✓ Machine identity
- ✓ User entity behavior analytics (UEBA)

About Prisma Cloud

Prisma Cloud is a comprehensive cloud native security platform with the industry's broadest security and compliance coverage—for applications, data, and the entire cloud native technology stack—throughout the development lifecycle and across multi-cloud and hybrid cloud environments. The integrated approach of Prisma Cloud enables SecOps and DevOps teams to stay agile, collaborate effectively, and accelerate cloud native application development and deployment. It eliminates the security constraints around cloud native architectures—rather than masking them—and breaks down security operational silos across the entire application lifecycle, allowing DevSecOps adoption and enhanced responsiveness to the changing security needs of cloud native architectures.

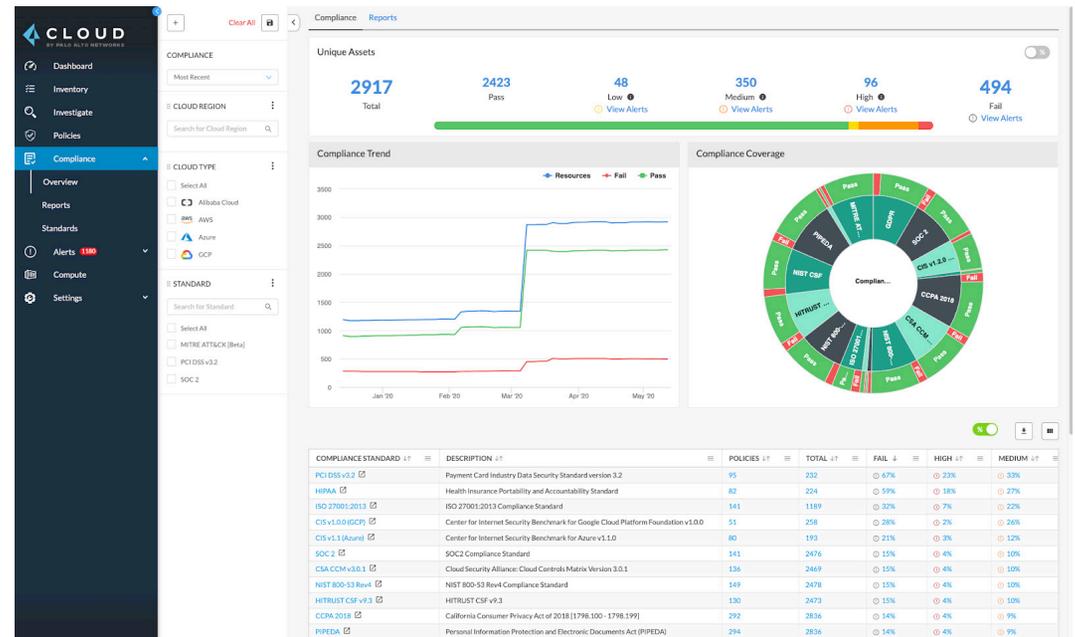


Figure 2: Prisma Cloud dashboard