

AT A GLANCE EVIDENT

RIVERSAFE
INTEGRITY, INNOVATION, IMPACT



Continuous Visibility and Enforcement for a Secure, Compliant Public Cloud

Addressing security and compliance in the cloud requires a rigorous and continuous approach that ensures risks are identified and controlled with speed. Palo Alto Networks® Evident provides continuous security of public cloud infrastructure services, enabling you to deploy applications confidently, knowing the cloud is configured according to your organization's security requirements.

Challenges

The cloud has made the traditional security model unsustainable. Driven by the flexibility and ease of public clouds, agile development and the DevOps movement have accelerated the speed of development cycles. Security teams can no longer depend on pre-deployment scanning, penetration tests or presence-based discovery methods. Getting the visibility they need requires automated, API-based tools that can handle the fire hose of data the cloud produces. The key for today's enterprise is to remove the human element from repeatable processes and tasks so teams can better protect their cloud environments.

Human errors can become amplified quickly and create major risks. Because cloud environments are continuously changing and connecting with more services, errors are bound to occur: private keys are inadvertently made public, ports are left open and stored data gets exposed.

A New Approach

Evident was developed specifically to help modern IT, DevOps and risk/compliance teams implement and maintain security within the cloud shared responsibility model. It provides public cloud infrastructure services security that enables organizations to automate the management of cloud security and compliance risks so they can minimize the attack surface and protect their public cloud deployments.

Evident provides continuous monitoring of public clouds, enabling you to deploy applications with confidence that the cloud environment is configured for security. With continuous monitoring enabled, Evident also helps you achieve a continuous state of compliance by analyzing the configurations of all services and account settings against strict security and compliance controls. In addition, Evident classifies and checks data stored within cloud storage services for data exposure and malware.



Continuous visibility, alerts and enforcement for public clouds

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Evident for Public Cloud Approach	Benefits
<p>Continuous visibility and monitoring</p>	<p>Evident provides security and compliance teams with a view into the risks across all their cloud accounts, services and regions by automating monitoring, inspection and assessment of your cloud infrastructure services. With real-time visibility into the security posture of your environment, you can identify issues that do not comply with your organization's required controls and settings, and send automated alerts.</p>
<p>Compliance validation</p>	<p>Taking a security-first approach to compliance helps your organization go beyond the compliance requirements and adopt best practices that keep your environments and data secure. Evident simplifies measurement and reporting of compliance with pre-built, one-click compliance reports for CIS Foundations, GDPR, HIPAA, ISO, NIST, PCI and SOC 2, and allows users to create custom reports to measure specific organizational goals.</p>
<p>Securing cloud storage services</p>	<p>Evident helps identify and classify data stored in Amazon S3 buckets, Microsoft Azure Blob Storage and Google Cloud Storage. Powered by machine learning, this provides awareness of the type of data in these services so you can identify data exposure risks and automatically remediate policy violations as soon as they occur.</p>
<p>Automated remediation</p>	<p>Evident enables automated remediation to quickly enforce policies as defined by the organization. Risks can be addressed promptly, and necessary changes can be made to configurations and settings without manual intervention, getting the environment back to a compliant state more quickly. By automating more of the fixes, security and development teams can allocate more of their time to other projects.</p>
<p>Frictionless approach to cloud security</p>	<p>Evident is an API-driven cloud service that integrates with DevOps, SecOps and risk/compliance tools. This enables security to be embedded into the cloud application development process without compromising agility.</p>

Security Operating Platform

Evident offers a frictionless approach to securing public cloud workloads that incorporates three critical security components: continuous monitoring, compliance validation and secure cloud storage. It is fully customizable and can be adapted to identify and alert enterprises about risks and vulnerabilities specific to their data and usage policies. Evident's API-based approach allows all three security components to be embedded directly into the application development process without compromising agility. Evident is part of the Palo Alto Networks Security Operating Platform, providing enterprise organizations with a multidimensional approach to public cloud security delivered through inline, API- and host-based protection technologies working together to minimize opportunities for attack.

The Security Operating Platform extends protection to your larger enterprise, with comprehensive protection regardless of location. Whether your applications reside on-premise; have been virtualized and need protection in a private cloud, such as VMware® NSX®, Cisco® ACI™, KVM or OpenStack®; are extended to a public cloud, such as Amazon® Web Services, Microsoft® Azure® or Google® Cloud Platform; or have been moved to a SaaS application, we can protect them.