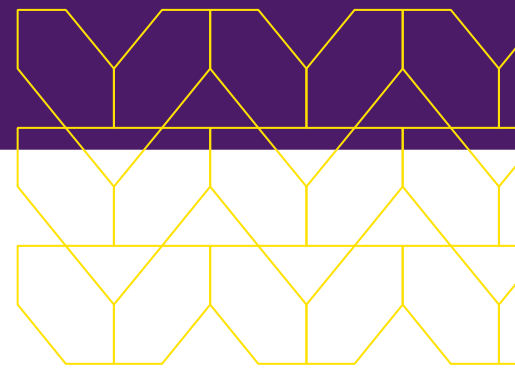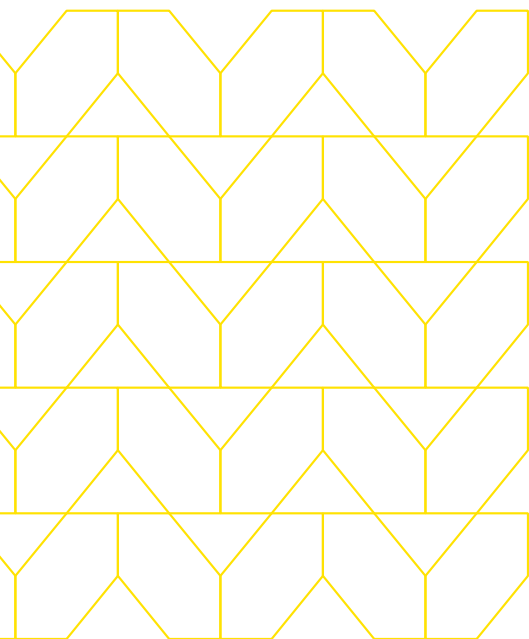# Menlo Cloud Security Platform Powered by an Isolation Core™ and Palo Alto Networks Prisma Access

Enables safe browsing with proactive threat prevention.

The challenge

Now more than ever—especially with the growing adoption of workforce mobility and cloud transformation—business is conducted on the Internet. The Internet is fraught with malicious content, however, ranging from fake login portals to malware-infected websites. Unfortunately, taking a very strict approach to what users are allowed to access on the Internet negatively impacts their productivity. Moreover, it strains overburdened IT support teams who are already locked in a daily struggle against intelligent, motivated, and well-financed cyber adversaries. These issues are driving the need to tightly integrate best-in-class security solutions. As cybercriminals' tools evolve to evade traditional detection technologies, enterprises need to eliminate threats earlier in the attack lifecycle while empowering their IT security teams with visibility and forensics.

Menlo Cloud Security Platform— Powered by an Isolation Core™

The Menlo Cloud Security Platform assumes that all web content is risky and hosts potentially malicious content. This approach eliminates the need to make an "allow or block" determination based on coarse categorization and detailed analysis. Instead, the platform offers an additional option to "isolate" potentially risky or uncategorized websites. For content that is isolated, Menlo efficiently delivers only safe and malware-free content to the end user's browser with no impact on user experience or productivity, and without requiring an endpoint agent or browser plug-ins. All active content, such as JavaScript and Flash, whether good or bad, is fully executed and contained within Menlo Security's cloud-based Isolation Core™. This eliminates the possibility of malware ever leaving the isolated web browsing session and infecting the endpoint. This approach restores 100 percent confidence in your security posture and enables security teams to empower worry-free and productive clicking, downloading, and browsing for end users.

Palo Alto Networks Prisma Access

Palo Alto Networks Prisma® Access transforms security with the industry's most complete cloud-delivered platform, allowing organizations to enable secure remote workforces. It protects all application traffic to reduce the risk of data breaches while providing guaranteed performance with leading service-level agreements (SLAs) to offer an exceptional end-user experience. All users, whether at corporate headquarters, branch offices, or on the road, connect to Prisma Access to safely access cloud applications residing on public or private clouds as well as on the Internet. Prisma Access consistently inspects all traffic across all ports and provides bidirectional networking to enable secure branch-to-branch as well as branch-to-HQ traffic.

Menlo Cloud Security Platform with Palo Alto Networks Prisma Access— Increase user productivity, minimize security risks

Organizations are often faced with the difficult choice to either allow or deny user access to many websites that may be uncategorized or mistakenly classified as "malicious." Allowing unfettered access supports user productivity but increases cyber risk, whereas denying access limits productivity and dramatically increases help desk tickets requesting website categorizations and recategorizations.
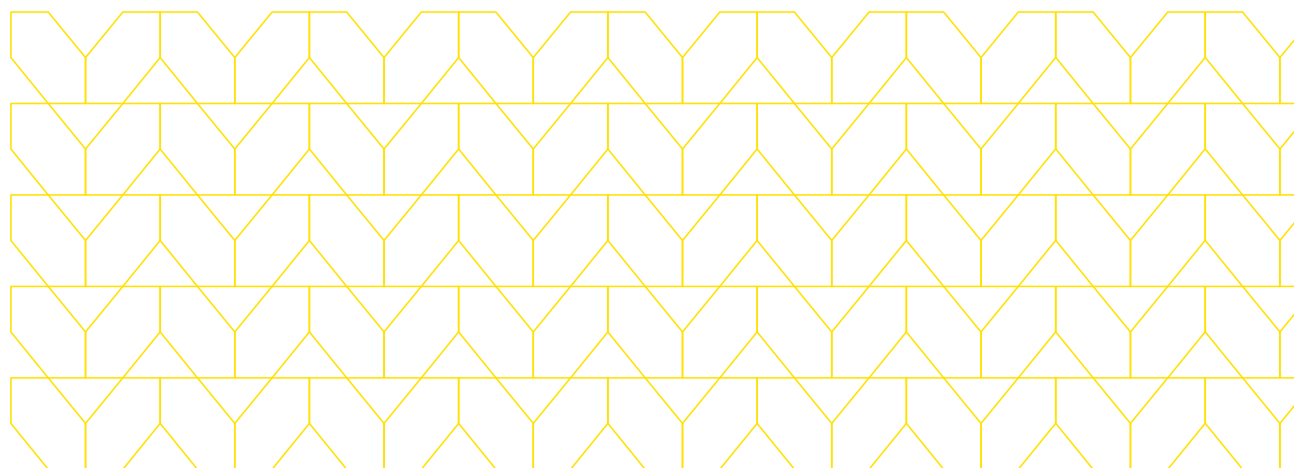
By integrating the Menlo Cloud Security Platform with Palo Alto Networks Prisma Access, organizations can strike the right balance between user productivity and mitigating security risks. In short, this combination enables customers to selectively route web traffic through the Menlo Cloud Security Platform to ensure that users' endpoints are safe all the time from harmful content. The joint solution can leverage the URL policy capabilities of Prisma Access and selectively steer specific websites— such as uncategorized or risky websites, or those that register a false positive—to the Menlo Cloud Security Platform. This can be done via existing policy controls on the customer's Prisma Access instance, thereby providing a single pane of glass for policy management. As a result, customers can now allow users to access such websites safely without risking the organization's security posture. More important, users will experience 100 percent native web browsing, and their web browsers will receive 100 percent safe visual components for local rendering.
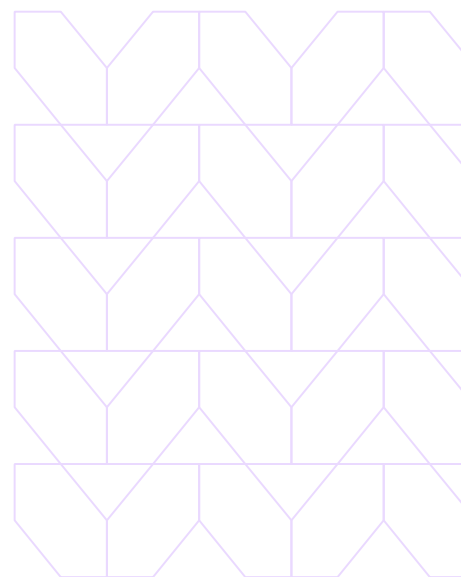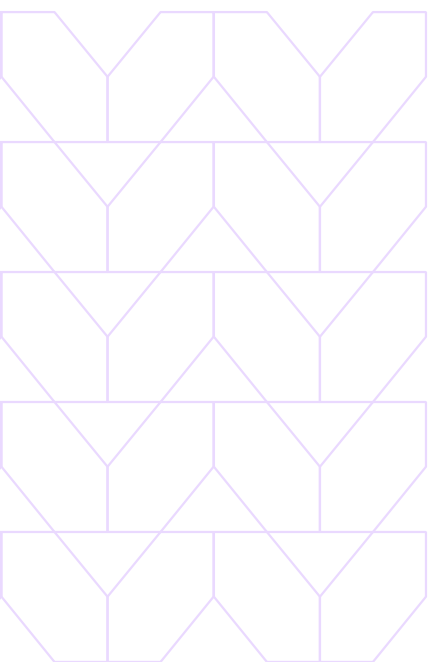
Another use case for organizations may involve providing elevated security for certain groups of users. These users could be privileged administrators or those who have access to highly secure systems (e.g., payment systems, SWIFT interbank transfer systems) from their devices. The extra level of security may also be mandated by industry or government regulations. In such cases, web traffic for specific users or groups of users may be directed all the time through the Menlo Cloud Security Platform via integration with Prisma Access. This ensures that any website accessed by a specified user or a group is first opened within Menlo's cloud-based Isolation Core™, returning only safe and malware-free visual components to the user's device for local rendering in a web browser.

The integrated solution provides web isolation for users in two ways. The first method is via URL prepend, wherein URLs associated with a user's web traffic are prepended with safe[.]menlosecurity[.]com. The second method utilizes traffic steering policies in Prisma Access, wherein web traffic is redirected across an IPsec tunnel to the Menlo Cloud Security Platform and is completely transparent to end users for a more seamless experience. End users will see no change and can browse web pages with a native experience.
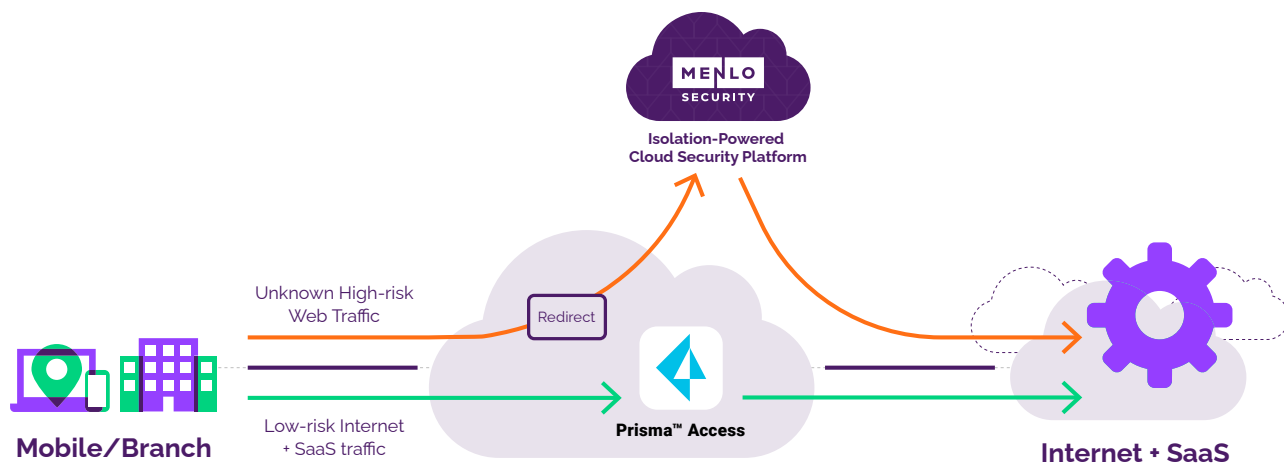
Figure 1: Palo Alto Networks Prisma Access forwards specific traffic to the Menlo Cloud Security Platform for browser isolation.

In summary, the Menlo Cloud Security Platform and Palo Alto Networks Prisma Access work together to deliver the most proactive threat prevention available, without hindering productivity applications like web browsers and email. The joint solution can also help organizations comply with various mandates and regulations for "air-gapping" high-value users. To find out how Menlo Security can provide your company with protection against cyberattacks, visit menlosecurity.com or contact us at ask@menlosecurity.com.

MENLO SECURITY

To find out more, contact us:

menlosecurity.com

(650) 695-0695

ask@menlosecurity.com

About Menlo Security

Menlo Security enables organizations to eliminate threats and fully protect productivity with a one-of-a-kind, isolation-powered cloud security platform. It's the only solution to deliver on the promise of cloud security—by providing the most secure Zero Trust approach to preventing malicious attacks; by making security invisible to end users while they work online; and by removing the operational burden for security teams. Now organizations can offer a safe online experience, empowering users to work without worry while they keep the business moving forward.