Protecting against email-based threats.

Augment your existing email security with Email Isolation.

MENLO

eBook

The Problem.

Secure email gateways (SEGs) are often ineffective in stopping multi-stage attacks that use newly created websites designed to capture credentials or documents as attack vectors. These sites are often not identified quickly enough by email gateways to enable IT teams to respond and block them.



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Email security **extends beyond** spam filtering.

Email gateways protect against spam and other basic phishing attacks; however, the numerous unique attacks employed by bad actors frequently steal credentials.

Multi-stage attacks are dangerous

Clicking on an email link may lead to a phishing website, but that's only part of the danger.

Threat actors rely on a mix of tactics that take advantage of a user's lack of attention. The most devious tactic involves linking to legitimate but booby-trapped websites, where an attack happens after the user views the first page—further down the chain of interactions between the user and the website.

Malicious code or third-party plug-ins then work to infect the user's unprotected device.





The danger zone.

The challenge most email gateways face is finding a way to protect against the "danger zone"—the period of time when phishing sites are allowed to sneak into the network past email filters.

Inadequate security policies with uncategorized sites.

A recent study by Bolster AI (2020) found that criminals create an average of 5,000+ phishing sites daily—all designed to capture the credentials of distracted workers. These URLs exist for days or weeks as "uncategorized/unknown" sites before being identified as malicious and blocked.

The danger of these sites is obvious. Most IT teams do not have time to handle the sheer volume of "allow" or "block" decisions needed to guard against every URL-based threat, and they often do not set policies for uncategorized sites. The security gap created by inadequate URL policy control then leaves the network open to compromise.

Zero-Day threats and attachments.

Attachments also pose significant security challenges. While email gateways scan for known malware before downloading, that tactic does not protect against unknown, zero-day threats.

Newly created malicious email attachments encounter less resistance when attacking the first victim because the threat is unknown to the security environment.



Email Isolation with Menlo Security.

Email Isolation with Menlo Security protects users against the "danger zone" when phishing on-prem sites are allowed to capture credentials before being detected as malicious.

With Menlo Security, no email link or website is trusted as safe by default. All links are placed into isolation, eliminating the threat posed when users visit phishing sites that are assumed to be safe by most secure email gateways.

Our solution supplements existing email gateways by providing the benefits of cloudbased isolation for email security. Our technology allows us to:

- Stop phishing with our read-only mode—Sites identified as risky (using statistical modeling) are placed into
- read-only mode, which prevents users from entering their credentials.
- Prevent multi-stage attacks— The entire chain of user actions following a clicked link is placed into isolation, protecting beyond the first page.
- Eliminate attached malware— All attached content is isolated, rendering traditional detect-andreact tactics (and their shortfalls) obsolete.

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- Scale globally for any email service—Flexible deployment options include cloud or on-prem implementations for Office 365, G Suite, or any popular email service.
- Enable viewing of documents in the cloud—Safely view documents in the cloud without downloading them to the network to promote better cybersecurity habits.

Email protection services.

Email Link Isolation.

Link Isolation places malicious web pages into read-only mode from email links.

- When the user clicks on a malicious link, they are automatically sent to our isolation cloud instead of directly to the website.
- Link URLs are analyzed using our proprietary risk scoring algorithm to determine whether the web page should be blocked outright or rendered in a read-only mode to prevent credential theft.

Email Attachment Isolation.

Our Email Attachment Isolation prevents malware or ransomware from being downloaded.

- Safely view attached documents (such as Microsoft Office files) in an isolated cloud container without downloading the original version.
- Scan documents within an isolated environment before downloading.



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Phishing insights for incident response.

Menlo Security insights gives administrators more visibility into their isolation environment by providing threat models and highlighting risky users.

Log data helps security analysts discover, track, and monitor activity. Reports can be created on-demand or automatically sent to various stakeholders across the organization.

Our API tools allow administrators to collect log data quickly and efficiently.

POST Destination

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Password Present on Form

Edit Policy



Next steps.

Cloud-based isolation supplements your existing email security stack to provide an extra layer of protection between malicious content and users.

Contact us if you're...

- Using Microsoft Office 365 or G Suite
- Worried about phishing attacks
- · Seeing an increase in document-based attacks
- Spending a lot of time and money reimaging machines
- Struggling with false positives from URL-based attacks

Menlo Security has a solution that will help you with all of these concerns. Get in touch with us today.



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Set status hare -		* 6	Kathleen Chen	Costume party - I'm thinking	g of dessing up as a big pine tree for the party on Friday. Do you		
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