



Secure the End User: AI-based Email Security

Enhancing Security with Advanced Behavioral AI



Making the case

As organizations navigate the complex landscape of modern cybersecurity threats, the vulnerabilities inherent in traditional email security systems are glaringly evident. Considering that 91% of cyber-attacks start with an email, the stakes for identifying and mitigating these threats are incredibly high. The challenges range from sophisticated social engineering tactics and relentless malware campaigns to more insidious threats like business email compromise (BEC), which alone accounts for significant financial losses through deceptive financial transactions. Additionally, the rise in vendor compromise incidents showcases how attacks from the supply chain can disrupt operations and amplify security threats across networks.

Credential phishing continues to be a pervasive tactic, often leading to severe data breaches, while the prevalence of malware delivered via email underscores the channel's vulnerability. Furthermore, with a significant number of large corporations experiencing account takeovers, the need for robust security measures is clear. Even the sheer volume of spam and graymail presents not just a productivity drain but a serious security risk, as it can obscure more critical threats. These challenges highlight the urgent need for a shift to more proactive, advanced defense strategies. This is where Teneo's AI-based Email Security Solution, powered by Abnormal Security, becomes crucial. It leverages advanced behavioral analytics to identify and stop threats that traditional methods miss, providing a sophisticated layer of protection that is vital for securing sensitive communications and data in today's threat landscape.



Our approach

To combat the increasing sophistication of email-based threats, Teneo has partnered with Abnormal Security to employ a cutting-edge, AI-based behavioral analytics, approach to email security. Abnormal Security's platform stands out by using behavioral AI to create a detailed baseline of 'normal' email interactions within an organization. This innovative method allows the system to detect anomalies in email behavior by comparing incoming emails against this established normal behavior and other metrics derived from diverse deployments across various industries.

This approach is particularly effective against socially engineered email threats that often bypass conventional email gateways. Traditional systems might overlook emails that lack obvious malicious links or attachments; however, Abnormal Security's behavioral analytics engine examines the context and patterns of email communications, enabling it to identify and block subtle, deceptive threats. By understanding the typical interaction patterns between senders and recipients, the platform can swiftly flag and quarantine emails that deviate from the norm, offering a robust defense layer that adapts to evolving cyber threats. This methodology not only enhances the security posture of organizations, but also aligns with modern needs for dynamic and intelligent cyber defense mechanisms.

Key benefits

- Precisely blocks all email attacks using behavioral AI
- Protects from internal and external compromised accounts
- Deploys in minutes via API; no configuration needed
- Can be a supplement/replacement for the secure email gateway
- Improves user productivity
- Protects against email-like attacks in Slack, Teams, and Zoom
- Protection from Quishing attacks (QR codes)
- VendorBase continuously assesses vendor risk

Additional Highlights

- 10x more effective solution for email security
- 3x fewer attacks get through
- 2x faster threat response time



StreamlineX

AI-based email security is a key component of StreamlineX as it ensures that users get the best possible experience when connecting to their applications, while offering enhanced security, better visibility, and simplified network operations at a lower total cost of ownership.

Find out more about [StreamlineX](#).



Purpose Beyond Profit

In working with Teneo, you will help to improve the lives of a million children around the world.

[Learn more](#)

About Teneo

Most Network and Security teams are overworked so making progress is a challenge. We securely connect users to their applications by combining leading technology with expert guidance. You stay in control, simplify your operations and keep ahead of the game.

Find out more at www.teneo.net.

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