

Anti-Spear Phishing Solution

AI-based spear phishing protection against business email compromise (BEC)



Businesses lost over \$50 billion to business email compromise from October 2013–December 2022ⁱ

Spear Phishing attacks continue to become more sophisticated and menacing. Often lacking the factors that identify malicious emails to regular filters – things like URLs, attachments, or images – the spear phishing email delivers an effective, yet subtle payload made of only text.

Vade's unique combination of AI technologies—including machine learning, computer vision, and natural language processing—blocks sophisticated threats while automating investigation and response.

Vade's AI engine painstakingly scrutinizes emails and webpages, detecting both known and unknown threats. From phishing to BEC/spear phishing, malware/ransomware to other cyberthreats, Vade neutralizes attacks before they can reach your users. Vade draws insights from more than 1.4 billion protected mailboxes to keep its threat-detection algorithms adjusted to changes in real-time.

PROTECTION AGAINST HIGHLY TARGETED EMAIL ATTACKS

Behavioral Analysis: Analyzes the context and content of emails, recognizing patterns of abuse common to spear phishing emails, such as requests for financial transactions.

Anomaly Detection: Builds an anonymous profile to establish normal communication patterns among employees. It can identify anomalies in an organization's email traffic and recognize advanced spoofing techniques, such as cousin domains and display name spoofing.

Natural Language Processing: Support Vector Machine and Deep Neural Network classifiers identify subtle grammatical and stylistic choices, such as flag words and phrases, as well as the sense of urgency found in most spear phishing emails and subject lines.

Spear Phishing Warning Banner: If anomalies or suspicious activities are discovered, a fully customizable warning banner is displayed. This alerts the user to the potential danger but does not block the email, preventing disruption to email flow.

Auto and One-Click Remediation*: Automatically removes email threats from user inboxes post-delivery. Admins can also remediate threats post-delivery with one click.



ⁱInternet Crime and Complaint Center. "Business Email Compromise: The \$50 Billion Scam." <https://www.ic3.gov/Media/Y2023/PSA230609>

PROTECT USERS FROM THE COSTLIEST FORMS OF BUSINESS EMAIL COMPROMISE

Wire Transfer Requests: Typically impersonating top executives, such as CFOs, this spear phishing variation is the costliest. Cybercriminals place users under extreme pressure, warning that time is running out and tricking recipients into transferring large sums of money.

Gift Card Scams: Less costly but easier to conceal due to incremental losses, gift card scams trick users into purchasing multiple cards, typically in \$250–\$500 denominations.

Payroll Scams: The direct deposit spear phishing attack impersonates an internal employee and tricks a human resources employee into changing the employee's bank account and routing number for their payroll direct deposits.



Vade is a leading cybersecurity firm specializing in AI-driven threat detection and response solutions for Microsoft collaboration suite, with a focus on serving Small to Medium-sized Businesses (SMBs) and their Managed Service Providers (MSPs). With a global presence across eight locations, including the United States, France, Japan, Canada, and Israel, Vade's flagship product, Vade for Microsoft 365, seamlessly provides supplementary cybersecurity services for Microsoft's collaboration suite. The company's best-in-class security solutions integrate robust AI-driven protection and automated threat remediation, resulting in improved efficiency, reduced administrative overhead, and optimized cybersecurity investments.

Vade provides distinctive protection against phishing, spear phishing, and malware, ensuring error-free configurations and enabling rapid deployment. Vade is a trusted choice for some of the world's leading internet service providers and security solution providers, ensuring the security of 1.4 billion email inboxes.

To learn more, please visit: vadecure.com

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