TOTAL EMAIL PROTECTION
When Protecting the Gateway is Not Enough

# PROTECTING THE GATEWAY IS NOT ENOUGH

Executive Summary

Secure email gateways are no longer enough to defend against today's sophisticated social-engineering attacks. These attacks bypass traditional security and end up costing organizations time, money, and brand equity. Barracuda Email Protection is the most effective solution to prevent targeted social-engineering attacks. Its multi-layered approach combines a secure email gateway, AI-powered fraud protection, and advanced security awareness training.

90%
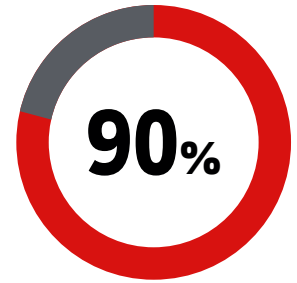
"The median company received 90% of their detected malware by email."
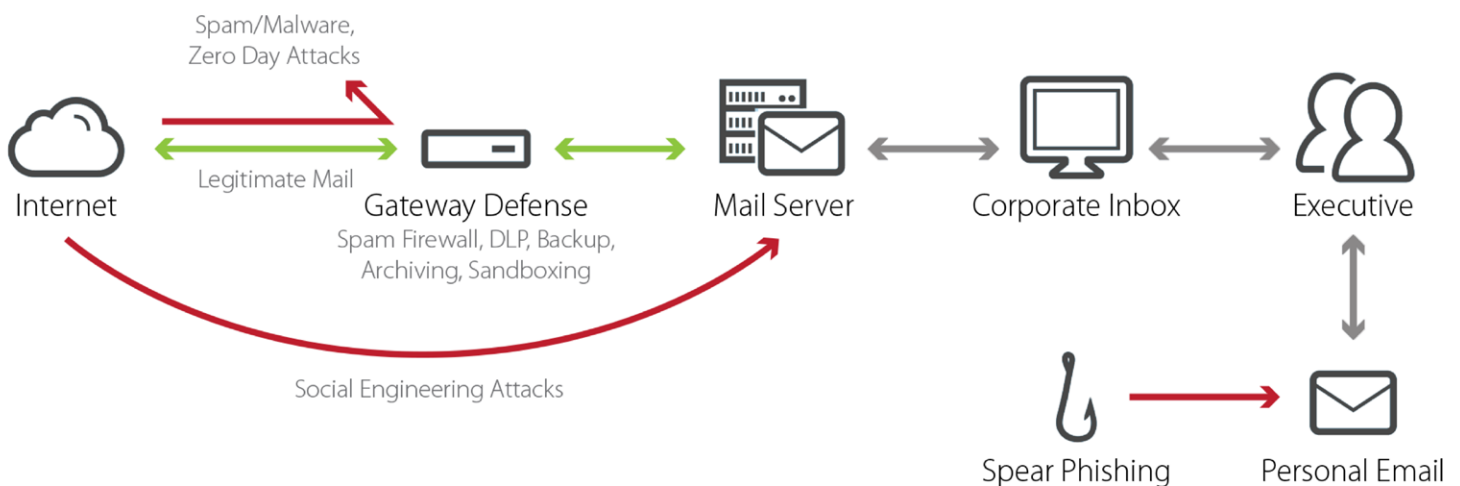
-2019 Verizon DBIR

The Barracuda Advantage

- Complete multi-level defense that combines AI-based email security, compliance, business continuity, and user security training.

- AI learns your communication patterns to detect personalized fraud in real time.

- Unique API-based architecture stops threats inside your mailbox that traditional gateways cannot.

- Barracuda Global Threat Network leverages threat information from millions of collection points to optimize detection.

- Complete multi-level defense that combines from millions of collection points to optimize detection.

Product Spotlight

- API-based architecture provides direct connectivity to Office 365.

- AI-powered solution for real-time protection against social engineering attacks and account takeover.

- Brand protection using DMARC reporting enforcement.

- Tamper-proof email archiving for compliance and e-discovery.

- Personalized user email security awareness training and simulation.

- Simple setup and management with zero impact on network performance.

- Free email threat vulnerability assessment scans for social engineering attacks in employee mailboxes.

Spam/Malware,
Zero Day Attacks

Legitimate Mail

Internet

Gateway Defense
Spam Firewall, DLP, Backup,
Archiving, Sandboxing

Mail Server

Corporate Inbox

Executive

Social Engineering Attacks

Spear Phishing

Personal Email

Office 365 | Exchange
Stream of Emails

1

Barracuda Essentials
Inbound/outbound security,
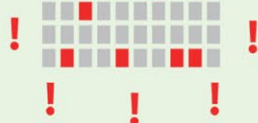Encryption & DLP, Archiving

2

Barracuda Sentinel
AI for social engineering, DMARC reporting,
Account takeover protection

3

Barracuda PhishLine
Phishing Simulation and training

4

Barracuda Essentials
Cloud backup, Email Continuity

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1. Protect Your Business from Targeted Email Attacks

Modern attacks are rapidly growing in volume and sophistication. With 91 percent of hacks starting with a targeted email attack, you need a solution that can detect and prevent attacks before they cause harm. Barracuda Essentials is a cloud-based security solution designed to protect against spam, phishing, malware, ransomware, and other targeted email threats. Essentials combines heuristic, behavioral, and sandboxing technologies to detect advanced, zero-day attacks.

2. Prevent Account Takeover and Social Engineering Attacks

Socially engineered spear-phishing attacks are growing fast, with total losses estimated at more than $5 billion. These highly targeted attacks are designed to impersonate a trusted third party to trick employees into disclosing valuable information or transferring funds directly to hackers. Barracuda Sentinel is a leading AI solution for real-time defense against socially engineered attacks, account takeover, and other cyber fraud. It uses artificial intelligence to learn each user's unique communication pattern, to identify malicious intent and flag fraud attempts.

3. Transform Users from a Vulnerability into a Robust Defensive Layer

Some attacks will get by your security and land in users' inboxes. What happens next depends on how well trained and aware the targeted user is. Barracuda PhishLine transforms users from potential attack vectors into a powerful layer of defense. Customized simulations test and train users to recognize social engineering attacks. Content is updated daily to reflect the most recent threats.

4. Build Resiliency and Mitigate Compliance Risk

You need data protection that boosts resiliency, minimizes downtime, and simplifies recovery from ransomware and accidental data loss. Barracuda Essentials ensures compliance and business continuity with advanced archiving and backup services, protecting against accidental or malicious deletion of emails and data.

Barracuda Essentials for Office 365

Comprehensive security and data protection for Office 365
Barracuda Essentials lets you migrate to Microsoft Office 365 safely, efficiently, and economically. It protects your users and your organization from dangerous ransomware and phishing attacks. It also minimizes downtime, ensures compliance with retention requirements, and enables fast, reliable recovery of Exchange Online, OneDrive, and Sharepoint Online data in case of malicious or accidental deletion.

Barracuda Sentinel

Artificial intelligence for real-time email protection
Business email compromise (BEC), spear phishing, and account takeover are today's top email threats. These hyper-targeted attacks trick employees into making terribly costly mistakes. Barracuda Sentinel combines artificial intelligence, deep integration with Microsoft Office 365, and brand protection into a comprehensive cloud-based solution that guards against these potentially devastating attacks.

Barracuda PhishLine

Fight phishing with continuous simulation and training.
Barracuda PhishLine trains users to understand and respond correctly to the latest phishing techniques, recognize subtle phishing clues, and prevent email fraud, data loss, and brand damage. It transforms employees into a powerful line of defense against damaging phishing attacks. This versatile, scalable, cloud-hosted SaaS solution includes hundreds of email and landing-pages templates, updated based on threat trends. Levelized training and gamification make it more effective by engaging employees.

Protecting the gateway is truly not enough. Don't settle for less than a comprehensive, end-to-end solution. Barracuda Total Email Protection is the right choice.
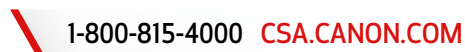
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