

Barracuda Email Security and Advanced Threat Protection

Shut Down Email-Borne Threats Before They Can Attack



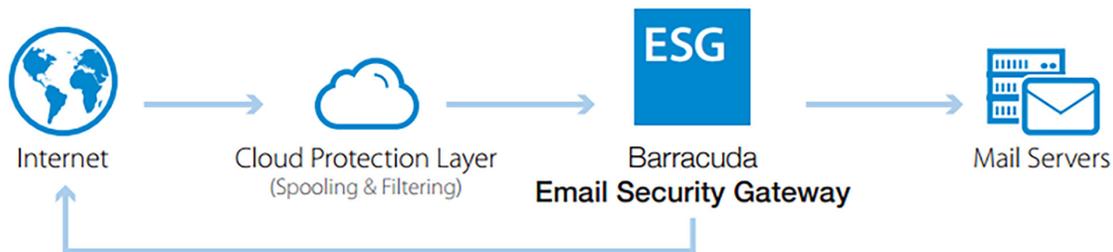
With email phishing being the No. 2 cause of successful cyber attacks (43 percent), and 61 percent of attack victims being small or mid-sized businesses¹, it's undeniable that SMBs must secure their email delivery chains. Making the situation even more concerning, malware—the leading culprit at 53 percent—is often spread through malicious email links.

To help SMB owners protect their firms from financially devastating security breaches, Carmichael Consulting Solutions recommends Barracuda's Email Security Service.

- Barracuda Email Security Service manages and filters all inbound and outbound email, proactively scanning

incoming email for malware and viruses that can steal corporate files and other assets, deliver ransomware code and open back doors to intruders.

- The defense is further enhanced by Barracuda's Advanced Threat Protection (ATP) which works with Barracuda Email Security Gateway and extends its benefit.
- The two services in tandem create an invincible solution, with the Email Security Gateway identifying and blocking malware and ATP protecting organizations against advanced malware zero-day exploits and other targeted attacks.

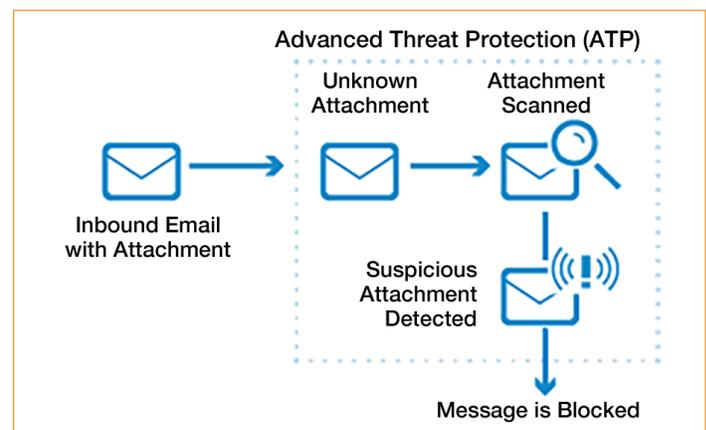


How Email Security and ATP Work Together

Every email that is sent to the company email server passes through Barracuda's Cloud Protection Layer first, where the ATP service analyzes all inbound email attachments in a sandboxed (isolated), secured cloud environment, identifying new threats and blocking infected messages. ATP scans every file type that could carry a destructive "payload," from Office documents (Word; Excel; PowerPoint) to JavaScript.

If it doesn't find a problem, it sends the email through to the Email Security Gateway for further scanning and delivery. If it does, it notifies a designated contact and retains the suspicious email to aid in compliance and investigation.

¹Verizon 2017 Data Breach Report



Inbound emails flow through the Barracuda Security Gateway to be filtered by ATP, which identifies suspicious attachments and blocks them.

Email Security: Enhancing Operating Efficiency

Email Security offers additional features that increase office security and productivity:

- **Protection in Transit:** Organizations can opt to have messages encrypted, preventing message interception and data theft or tampering.
- **Offline Support:** In the event that email servers become unavailable, Email Security can spool and archive email to the cloud until the servers are back on line.

Why Carmichael Consulting Solutions?

Although Email Security and ATP are cutting-edge, award-winning solutions, just like any technology product they

require effective deployment and configuration. ATP in particular should be deployed, configured and managed professionally, because it offers advanced options, including real-time scanning upon delivery (rather than before), that should only be enabled by experienced pros.

Carmichael Consulting Solution's deeply experienced IT specialists have the skill and background to help SMB decision makers determine the precise level of—and approach to—protection for their needs. They can also train designated team members how to understand reports, or Carmichael can help the organization manage and act on reports as they are delivered. On an ongoing basis, Carmichael experts will ensure installations stay up to date and that any changes at the company or its systems are reflected in its security services.

The screenshot shows a 'Message Log' interface with a table of email messages. The table has columns for From, To, Subject, Date, Size, Delivery, Reason, and Score. One message is highlighted in yellow, indicating it was blocked. Below the table, the details for this message are shown, including the sender's name and email address, the subject, date, and message ID. The 'Recipients' section shows the message was blocked by the Barracuda Real-Time System (BRTS).

From	To	Subject	Date	Size	Delivery	Reason	Score
midsummers@...	bellalopez@chro...	» My very first GMass email campaign	07/08 1...	7 KB	Delivered		1.29
awesomeness13...	bellalopez@chro...	» My very first GMass email campaign	07/08 1...	7 KB	Delivered		1.29
theresa.celine.s...	bellalopez@chro...	» My very first GMass email campaign	07/08 1...	7 KB	Delivered		1.29
leroux_r@moibe...	bellalopez@chro...	» My very first GMass email campaign	07/08 1...	7 KB	Delivered		1.29
geosofek@gmail...	bellalopez@chro...	» My very first GMass email campaign	07/08 1...	7 KB	Delivered		1.29
Richard Pfiffering	bellalopez@chro...	» I'd like to add you to my professional networ...	07/08 1...	21 KB	Delivered	Email Categorization (Socialmedia)	
Twoo	bellalopez@chro...	» Ces personnes attendent de pouvoir tch...	07/08 1...	59 KB	Delivered		0.00
ggpete5148	bellalopez@chro...	» obesity control and health revival medicines	07/08 0...	3 KB	Not Delivered	Barracuda Real-Time System (BRTS)	
SHUBHAM URA	bellalopez@chro...	» Hi from SHUBHAM	07/08 0...	23 KB	Delivered	Email Categorization (Socialmedia)	
Anica Draženović	bellalopez@chro...	» My very first GMass email campaign	07/08 0...	7 KB	Delivered		1.07
godhairhemou...	bellalopez@chro...	» My very first GMass email campaign	07/08 0...	7 KB	Delivered		1.29
rogericandrade2...	bellalopez@chro...	» My very first GMass email campaign	07/08 0...	7 KB	Delivered		1.29
l.anna.Tranter...	bellalopez@chro...	» My very first GMass email campaign	07/08 0...	6 KB	Delivered		0.73

From: ggpete5148 <ggpete5148@gmail.com>
To: Brian Smith <briansmith8477@gmail.com>, Tom Perkins <tomperkins@uptowndog.com>, Dylan McKay <d477@gmail.com>, Bella Lopez <bellalopez@chromecompetes.com>, Brandon Walsh <brandawalsh8477@gmail.com>
Subject: obesity control and health revival medicines
Date: 2017-07-08 09:18AM
Message ID: 1499530715-682770-16857-854648-1
IP: 209.85.218.85 (mail-oi0-165.google.com)
Envelope From: ggpete5148@gmail.com
Recipients: bellalopez@chromecompetes.com Action Reason Delivery Status
Blocked Barracuda Real-Time System (BRTS) (myctfo.com) Not Delivered

Our specialists are waiting to explain more about the value of Barracuda's Email Security Service with ATP. Please call us at 678-719-9671 or visit <http://www.carmichaelconsulting.net/services/barracuda>.

