Welcome Racing & Ransomware!



the one source for IT & AV





the one source for IT & AV

System Source & Barracuda:

- Barracuda Partner since 2013
- Why Barracuda Backup:
 - Combines onsite & cloud backup
 - Comprehensive, cost-effective local & offsite backups
 - DR solutions
 - Deduplication and compression
 - Easy deployment and administration
 - Small, Mid-size and Larger organizations



Ransomware and Advanced Threats Avoid Falling Victim to These Cyber Threats

Tony Foxen, Channel Manager, Mid-Atlantic & Virginia



In The News...

93% of phishing emails are now ransomware

M Texan indicted for hacking into Pittsburgh healthcare company's computers



May 20, 2016

TORSTEN OVE

Pittsburgh Post-Gazette tove@post-gazette.com

engineering and email compromises. The reported losses associated with business email compromises in 2015 was \$246,226,016.

Russian Hackers Faked Gmail Password Form To Invade DNC Email System

Ransomware attack on San Francisco public transit gives everyone a free ride

Texas Police Unit Loses Years Of Evidence To Ransomware

MAR 20, 2017

4:19 PN

Police in Cockrell Hill, Tex., lost eight years of documents, photos, and videos when a ransomware attack corrupted files on its server.

LinkedIn Breach Results In Phishing Scams

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Source: SC Media, Ransomware Attack Study, 2017

Indiscriminate



Of ALL organizations were infected by ransomware



Source: Osterman Research, Inc. 2017

It's High Impact

\$3.8M

Average Cost of a Breach

\$154

Average Cost Per Stolen Record

Source: Ponemon Institute, May 2015

What will the next morph bring? Does your payment really mean you are free and clear? How long before Ransomware payments are temporary? Will one payment unlock you forever? When will ransomware morph into "protection ware?"

Is It Getting Worse?

Security Threats are Common



Of organizations had malware infiltrate through an unknown source



Source: Osterman Research, Inc. 2017

Security Threats are Common





Decision Makers' Concerns

Malware infiltration through email 70% Malware infiltration via web browsing 69% Phishing through email 68% Ransomware 63% Business email compromise 38% Physical theft 32% 0% 20% 40%

High





5%

1%

3%

3%

100%

13%

16%

25%

30%

29%

34%

80%

49%

54%

60%

Many tools are not solving the problem



Of organizations report that malware is getting worse



OK, So It Is Getting Worse... But Why?

LF78406971D Economic Motivation

PRALI

200200200C6974746C6 E3100A16C20Data Brea Increasing Sophistication 1 Cyber Attackee 106564207368 $- (\pi 2) 07468652$

Data Is Everywhere

Anatomy of a Hack

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Compromise

Lateral Movement

Reconnaissance

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Obfuscatior

Damage, Deface, or S

John







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Reconnaissance



😎 Reconnaissance






















What We Learned

Threats

What We Learned

Threat Vectors

Threats

Attack Surfaces

Threat Vectors

Threats

What We Learned

How Can Barracuda Help?

The Need for End-to-end Security

Detect



Exchange Threat Scanner

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Barracuda Vulnerability Manager





WAF NG

Web Application Firewall

NextGen Firewall



Barracuda

Essentials for Microsoft Office 365



Web Security Gateway

Recover

BU

Detect

Detect Email Threats



Barracuda Email Threat Scanner

- Cloud-based tool integrated with Office 365
 - Scans Office 365 email accounts for advanced threats
 - Identifies senders of threats
- Provides you with reports and recommendationsFree

Scan your Office 365 account for latent threats

Detect Web Application Threats

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Barracuda Vulnerability Manager Barracuda Vulnerability Manager

- Scan web applications for vulnerabilities
- Provides detailed vulnerability scan reports
- Integrated with Barracuda WAF

• Free

Scan your web applications for vulnerabilities



Prevent Email-Borne Threats



Barracuda Essentials

- Comprehensive security, archiving, and backup solution for Office 365 or Exchange
- Compatible with on-premises and hybrid configurations
- Built on proven Barracuda SaaS solutions

Secure your email

Prevent Typosquatting



Barracuda Link Protection

- Secures against typosquatted domains
 - Foreign language spelling (exemple.com)
 - Homograph (example.com)
 - Misspelling based on typo (examlpe.com)
 - Different top-level domain (example.org)
- Provides integrated end-user security training

Train your users

Prevent Hacks

WAF

Barracuda Web Application Firewall Barracuda Web Application Firewall

- Application security and DDoS protection
- Load balancing and server health monitoring
- Inbound and outbound inspection
- Granular identity and access management

Secure your web applications from vulnerabilities

Prevent Hacks



Vulnerability Remediation

WAF

Barracuda Web Application Firewall

Barracuda Vulnerability Remediation Service

- Everything BVM offers plus:
 - Remediate vulnerabilities automatically on a Barracuda WAF
 - Schedulable or on-demand
 - Manage vulnerability workflow/lifecycle

• Free

Simplify and streamline your web application deployments

Prevent Network Breaches

NG

Barracuda NextGen Firewall

Barracuda NextGen Firewall

- Powerful network firewall
- Full application control
- Full user awareness
- Intelligent traffic management
- Comprehensive security layers
- Centrally manage all functions

Secure your network perimeter

Prevent Spyware

WSG

Barracuda Web Security Gateway

WSS

Barracuda Web Security Service

Barracuda Web Security

- Filters content, malware, social media and rogue application threats
- Enforce corporate web usage policies
- Protect against web-based threats
- Monitor network and user activity
- Secure laptops and mobile devices

Secure your users everywhere

Prevent Advanced Threats

ADVANCED THREAT PROTECTION

Barracuda Advanced Threat Protection

- Comprehensive, real-time, defense-in-depth
 - Against all threats
 - Across all threat vectors
 - On all attack surfaces
- Layered threat detection optimized for speed, accuracy, and coverage
- Global threat intelligence network

Secure against threats in real time

Global Threat Intelligence

Security Solutions All Threat Vectors ESS 品 **Email Security Service** Network All Advanced Threats ESG ADVANCED THREAT Honey Pots PROTECTION Email Email Security Gateway Crawlers WSG CPU Emulation Sandboxing Threat 240,000 Intelligence Machine Learning Oueries Deployments (······) Web Static Analysis Web Security Gateway Customer **Behavioral Analysis** Submissions NG Barracuda Labs Mobile Users Signature Analysis NextGen Firewall WAF Application

Web Application Firewall

Barracuda

Benefits of the Layered Approach

Layered pre-filtering for faster response times

- ~ 95% of attacks are caught through the pre-filters within seconds
- High performance CPU emulation sandbox
- Detects threats designed to evade traditional sandboxes
- Provides detailed reports for auditing and forensics

Machine learning for increased efficiency and accuracy

- Analysis results are shared across layers to cover threats
- Minimal false positives

Recover

Recover By Regularly Backing Up Your Data

Barracuda Backup

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Backup

- Comprehensive, cloud-integrated solution for protecting your environment
- Simple to deploy and easy to manage
- Replaces multi-vendor piecemeal backup solutions

Use Backup to protect your data

A Comprehensive Solution

Our Security Platform Secure against all threats On all threat vectors Across all attack surfaces



Simplified IT

30-Day free evaluationSimple pricing model24x7 support4 Year Hardware Refresh

Moving Forward



Consider your current security posture or...

Contact us for an risk assessment

Get a **free** Office365 Email Threat Scan • http://scan.barracuda.com

Get a **free** Web Application Scan

http://appscan.barracuda.com

Thank You



THANKS! Evaluations & Door Prizes Learning Center Offer

3 Races Each with Prizes For: Fastest Time! Most Enthusiastic! Best Rookie Driver!





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