

## The Reign of Ransomware: 2016 1H Security Roundup

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# How much do you value your data?

\$500? \$20,000?

\$100?



#### **Threat Realities**







US\$ 3 Billion lost globally (since JUN 2016)







# Ransomware is the biggest threat of 2016.





172% growth rate in the first 6 months of 2016



#### **Industry Impact**





#### **New Ransomware Behaviors**

- Improved social engineering lures
- More platforms and systems to infect
- New network-related capabilities
- New extortion tactics
- Direct server attacks



#### **Ransomware Targeting Enterprise**



Trend Micro multilayered defense addresses ransomware at any stage of infection.



#### **Ransomware Entry Points**





#### Business Email Compromise threatens organizations globally.



- 1 Threat
- 22,000 victims worldwide
- US\$ 120,000 loss per scam
- \$3B worth of losses globally



#### **Most Affected Countries**





## **BEC** Tactics

- Bogus invoice scheme
- CEO fraud
- Account compromise
- Attorney impersonation
- Data theft

#### **BEC Components**







Social Engineering

Malware



Exploit Kits continue to make life difficult with new vulnerabilities and ransomware families.



### **Exploit Kits and Vulnerabilities**



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1 million hits to EKhosting sites blocked monthly

473 vulnerabilities discovered in 1H



#### **Protection Against Exploit Kits**



Trend Micro Virtual Patching Trend Micro Deep Security Trend Micro Vulnerability Protection

Trend Micro Network Defense **Digital Vaccine Labs** 



### The resilient threat of Data Breaches



#### **Recent 2016 Data Breaches**







#### **Prevention and Mitigation**





Block or contain threat

Protect sensitive data



Point of Sale (PoS) malware hounding those behind the times



Payment systems are catching up to today's security needs.

But a majority still use traditional Point of Sale machines



#### For the complete report, please visit:

http://www.trendmicro.com/vinfo/us/security/research-andanalysis/threat-reports/roundup/the-reign-of-ransomware

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