Fireside Chat

Unit42 Views on Recent Trends in Security

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Overview

- Ransomware
  - Cryptolocker
- Industry Themes
  - Retail and POS Malware
  - Healthcare
- Desktop to Mobile
  - Wirelurker

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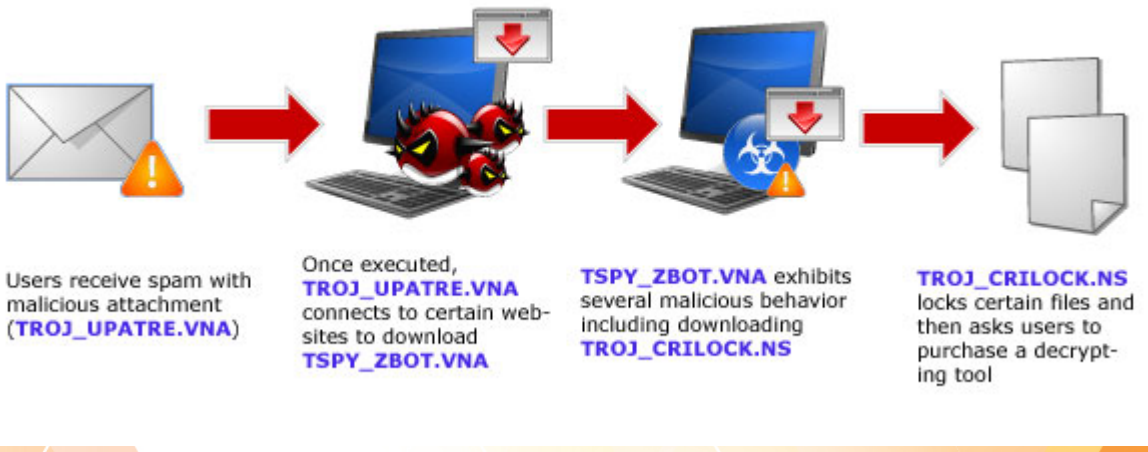
Ransomware

- In 2012, Symantec, using data from a command and control (C2) server of **5,700** computers compromised in one day, estimated that approximately 2.9 percent of those compromised users paid the ransom.
  - For a single C2 Server:
    Average ransom: $200 ➔ $33,060 profit per day ➔ $394,400 profit per month
- 2013 Variants: Xorist, CryptorBit, CryptoLocker
- 2014 Variants: CryptoDefense, Cryptowall
- Some variants encrypt not just the files on the infected device but also the contents of shared or networked drives.



Source: https://www.us-cert.gov/ncas/alerts/TA14-295A

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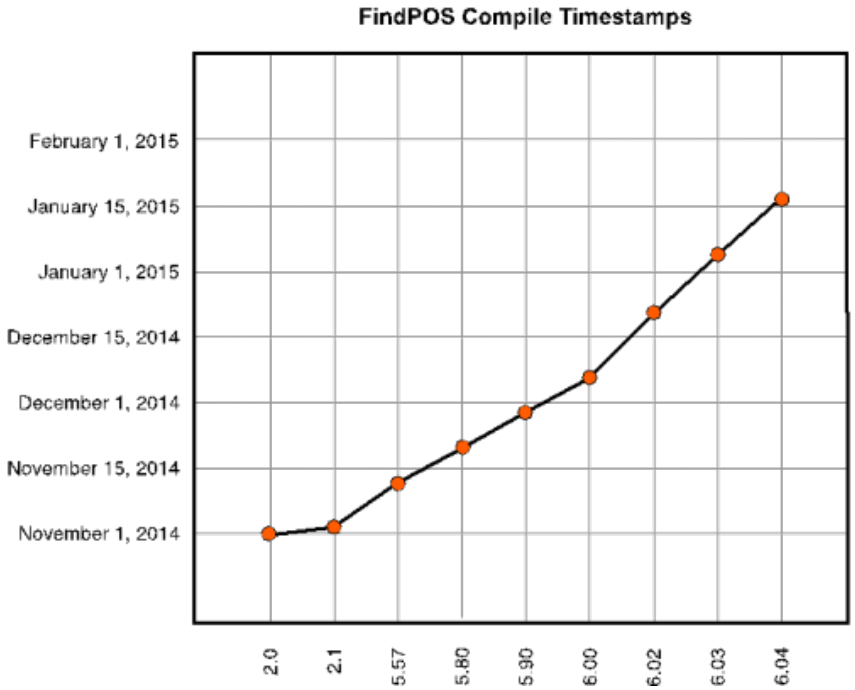
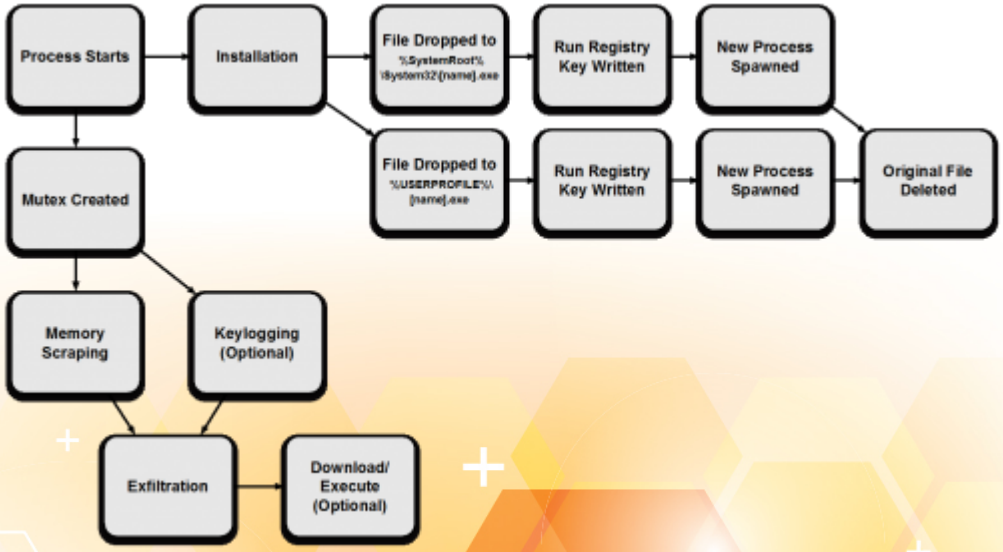
Retail Targets: Point of Sale Malware



Rapid Iteration and Evolution



Simple and Efficient Execution

Source: http://researchcenter.paloaltonetworks.com/2015/03/findpos-new-pos-malware-family-discovered/

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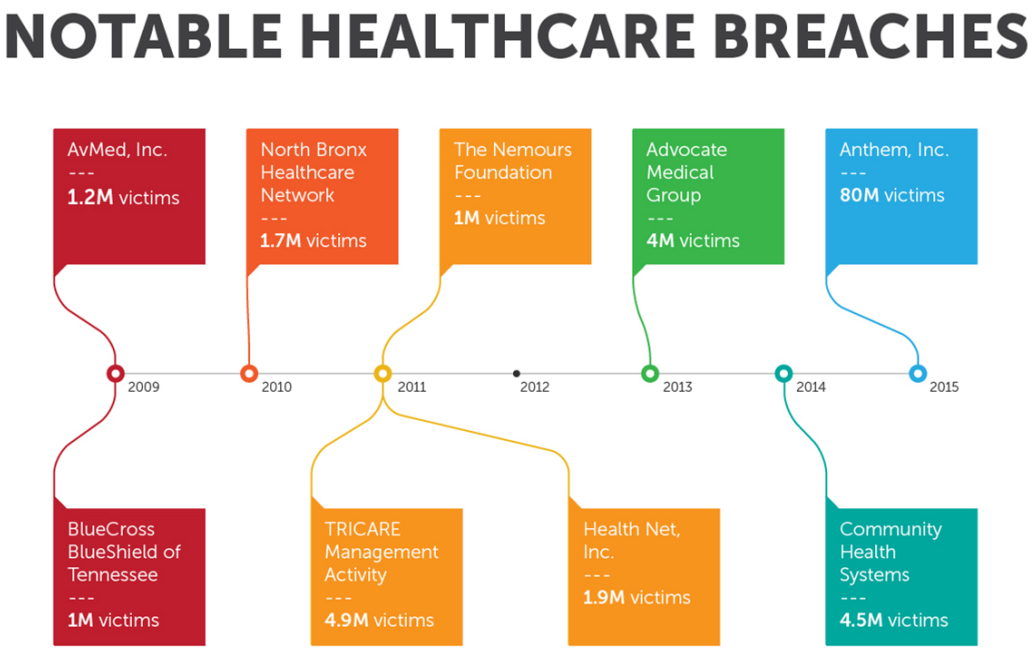
Healthcare



Source: http://www.trendmicro.com/vinfo/us/security/news/cyber-attacks/millions-affected-in-anthem-breach-healthcare-companies-prime-attack-targets

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Desktop to Mobile: WireLurker Attack