

Ransomware: The Reality

It's here, it's sophisticated—and it's shifty!



Loss of sensitive, proprietary data



Disruption



Financial losses



Harm to reputation

Malware with a hefty price tag.



Recognize the accelerating threat



NUMBER 3 on the FBI's "Hot Topics for 2015" list¹

\$24 million extorted in more than 2400 complaints to the FBI²

\$60 million campaign of Angler Exploit Kit thwarted³

2015

Gaining momentum



2016

The "year of the ransom"

\$209 million extorted in first 3 months⁴



\$1 BILLION in profit expected in 2016⁵

6-fold increase in corporate user targets⁶



Know the Attack Vectors

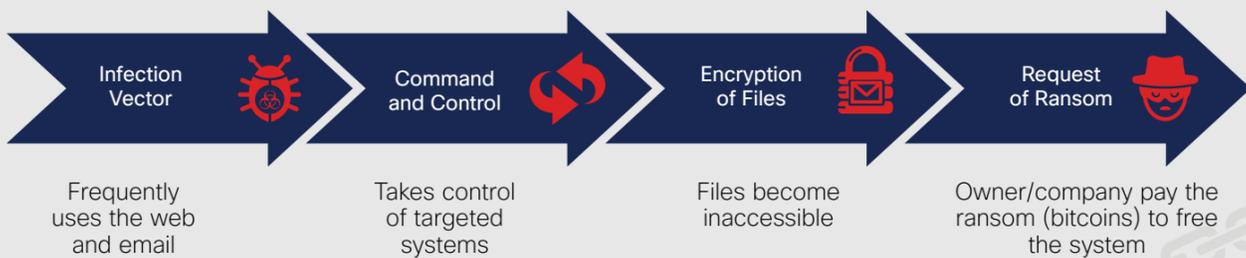
Exploit kits are tools used by attackers to distribute malware. They are often delivered through:

Email: phishing messages and spam with malicious links or attachments

Web servers: entry points for access into the network

Web-based apps: encrypted files spread through social media and instant messaging

Malvertising: drive-by downloads from an infected site



Prevent attacks with an architectural approach:

- Protection across DNS layer, endpoints, email, web, and network
- Secure devices on and off the network
- Be prepared to detect and contain movement of malware quickly

Detect and Disrupt Ransomware

Cisco Talos disrupts a **\$60 million** annual ransomware attack⁷

- One of the largest and most advanced exploit kits, known as Angler, was used in targeted malvertising campaigns
- Exploitation of **90,000 victims** a day for **\$30 million** annually through nearly **150 proxy servers** was stopped

Learn More Today

Go to cisco.com/go/ransomware for Cisco's simple, open, automated, and effective approach to security.



¹U.S. Department of Justice, Federal Bureau of Investigation, 2015 Internet Crime Report, https://pdf.ic3.gov/2015_IC3Report.pdf
²The Federal Bureau of Investigation, "Ransomware: Latest Cyber Extortion Tool," April 2016 <https://www.fbi.gov/cleveland/press-releases/2016/ransomware-latest-cyber-extortion-tool>
³Talos, Threat Spotlight: Cisco Talos Thwarts Access to Massive International Exploit Kit Generating \$60m Annually from Ransomware Alone, October 2015, <http://www.talosintelligence.com/angler-exposed/>
⁴CNN Money, "Cyber-Extortion Losses Skyrocket, Says FBI," David Fitzpatrick and Drew Griffin, April 2016, <http://money.cnn.com/2016/04/15/technology/ransomware-cyber-security/>
⁵Ibid.
⁶Security Week, "History and Statistics of Ransomware," Kevin Townsend, June 2016, <http://www.securityweek.com/history-and-statistics-ransomware>
⁷Cisco Talos, Threat Spotlight: Cisco Talos Thwarts Access to Massive International Exploit Kit Generating \$60m Annually from Ransomware Alone, October 2015, <http://www.talosintelligence.com/angler-exposed/>