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Ransomware: Don't Click That Link!

Newsweek

RANSOMWARE ATTACKS RISE 250 PERCENT IN 2017, HITTING U.S. **HARDEST**



Mobile ransomware has risen by over 250 percent during the first few months of 2017

More than 4,000 ransomware attacks have occurred every day since the beginning of 2016

300% increase over 2015, where 1,000 ransomware attacks were seen per day





How do I get ransomware? Is it just a matter of clicking a link?

- The Human Element
- Security flaws
- Legacy systems
- Insecure services
- "Drive by" attacks
- Insider threats





How does ransomware traverse a network? Does it keep the same signature?

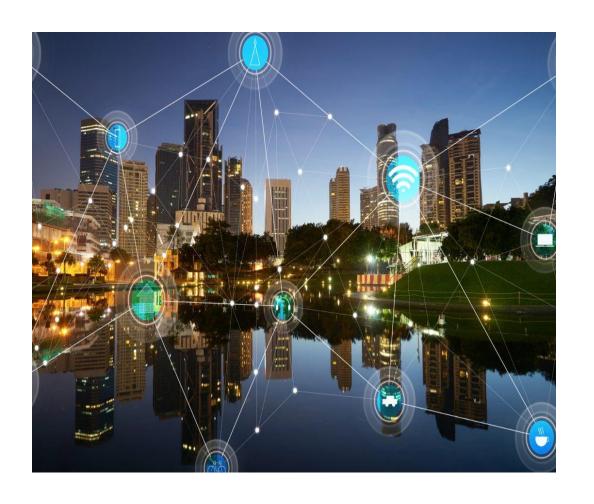
- Can be polymorphic
- Can traverse different systems in network
- Can use various protocols
- Infection can happen via any connected device





Can ransomware infect my IoT or critical infrastructure? Is it really that big a deal?

- •Can infect any connected system or device
- Massive amounts of information available
- •The IoT threat
- Critical infrastructure
- Everything connected





Should I pay the ransom?

- Most ransomware leaves backdoor
- Theft of information to be held for further ransom
- No guarantee of decryption key
- Depends on how critical locked information is





How can I reduce the odds of being a ransomware victim?

Mandatory security awareness training Strict policies for home and travel

Technical controls Pull the plug

Reduce access controls Network segmentation

Install updates Strictest security settings possible

Incident response policy Regular backups stored off network

Turn off all unneeded services **Document policy**

Mind shift



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