



CYBERSAT17

SECURITY IN AEROSPACE

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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

Pull the plug

Technical controls

Reduce access controls

Network segmentation

Install updates

Strictest security settings possible

Incident response policy

Regular backups stored off network

Document policy

Turn off all unneeded services

Mind shift

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