



# The Expanding Cyber Threat

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# Global Intelligence Network

## Attack Sensors

- 69M attack sensors
- Thousands of events per second

## Spam/Phishing

- 5M decoy accounts
- 8B+ email messages/day
- 1.4B+ web requests/day

## Malware Activity

- >180M client, server, gateways monitored
- Global Coverage

## Vulnerabilities

- 60,000+ vulnerabilities
- 16,500+ vendors
- 43,000+ products

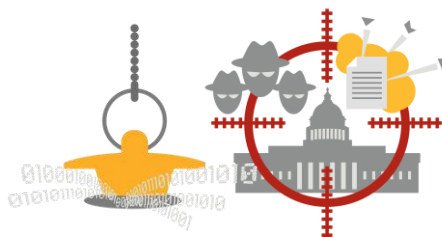
## Big Data Analytics

- 4 trillion rows/ 150 TB
- 55,000 added every second
- 13.8 billion files
- 21.3 billion URLs

# Cyber Threat Overview



**Ransomware**



**Cyberespionage  
Malicious Insider**



**Data Breaches**



**Mobile & Social**



**Internet of Things**

# Scareware



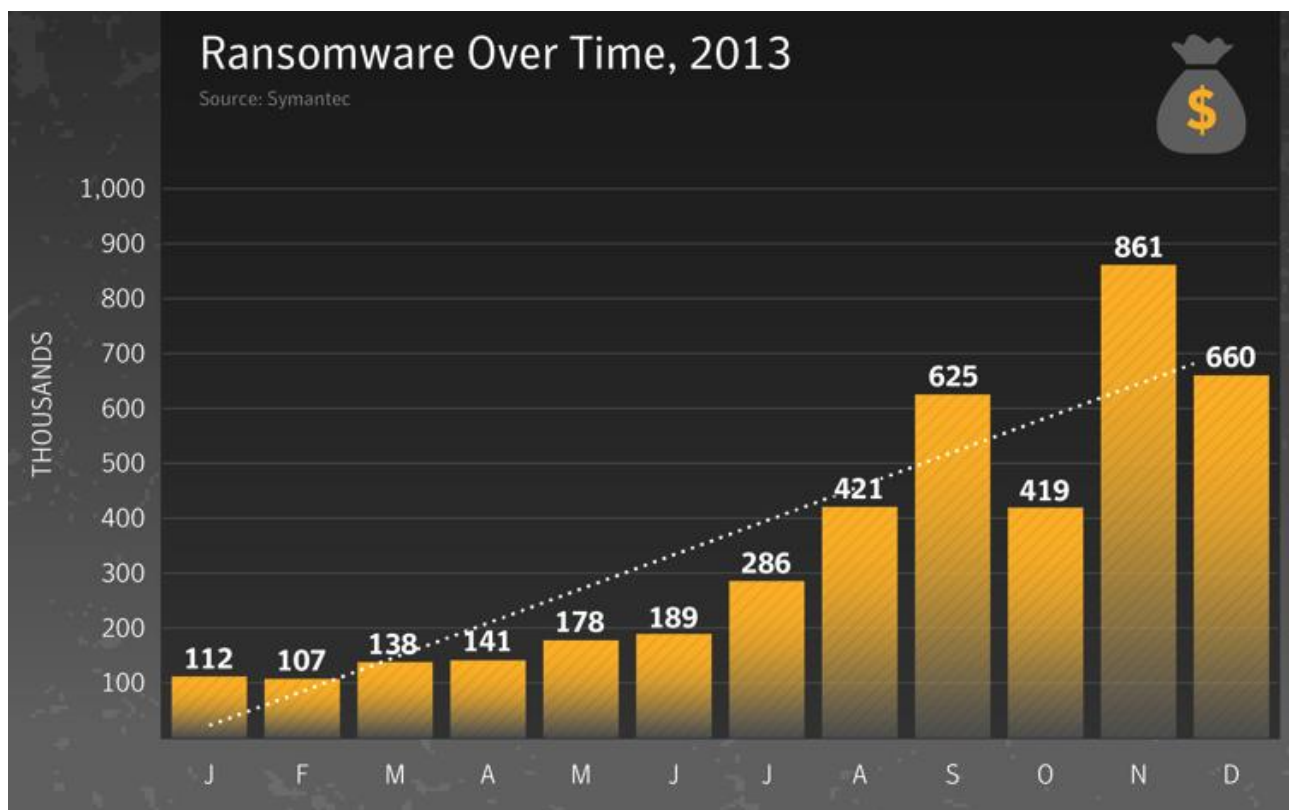
# Ransomware



# Ransomcrypt



# Ransomware

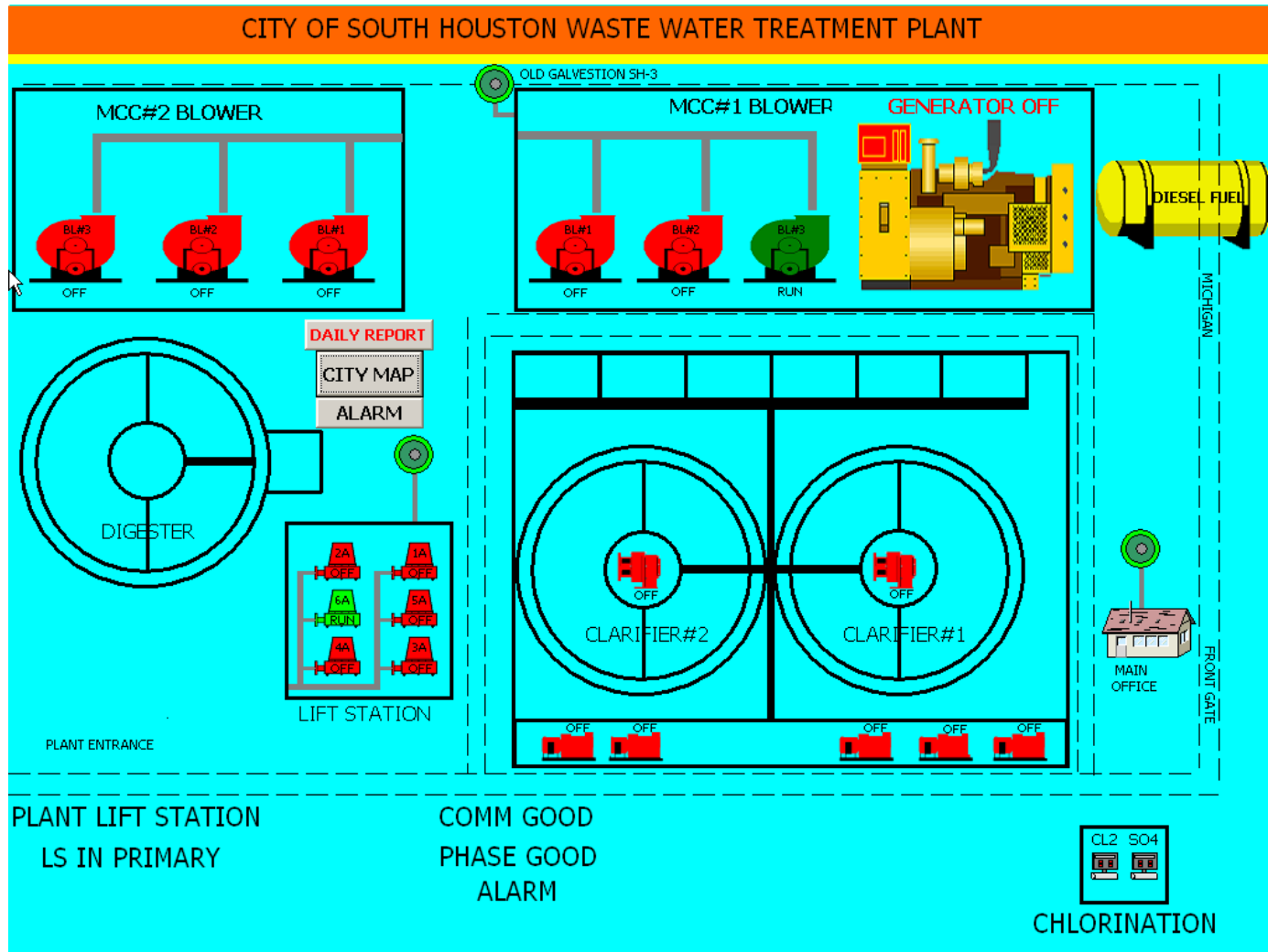


**500% increase  
in Ransomware attacks in 2013**



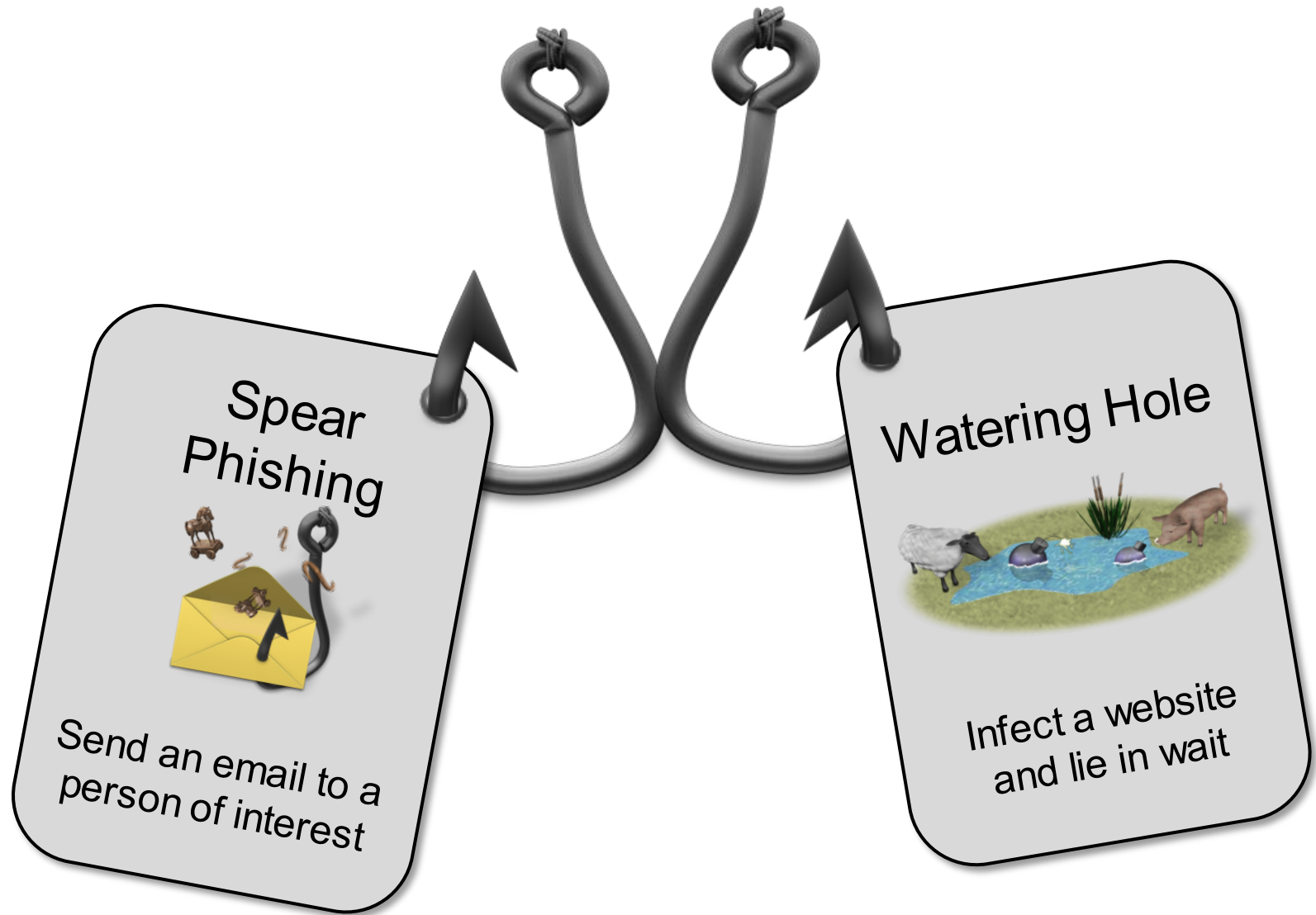


# Critical Infrastructure

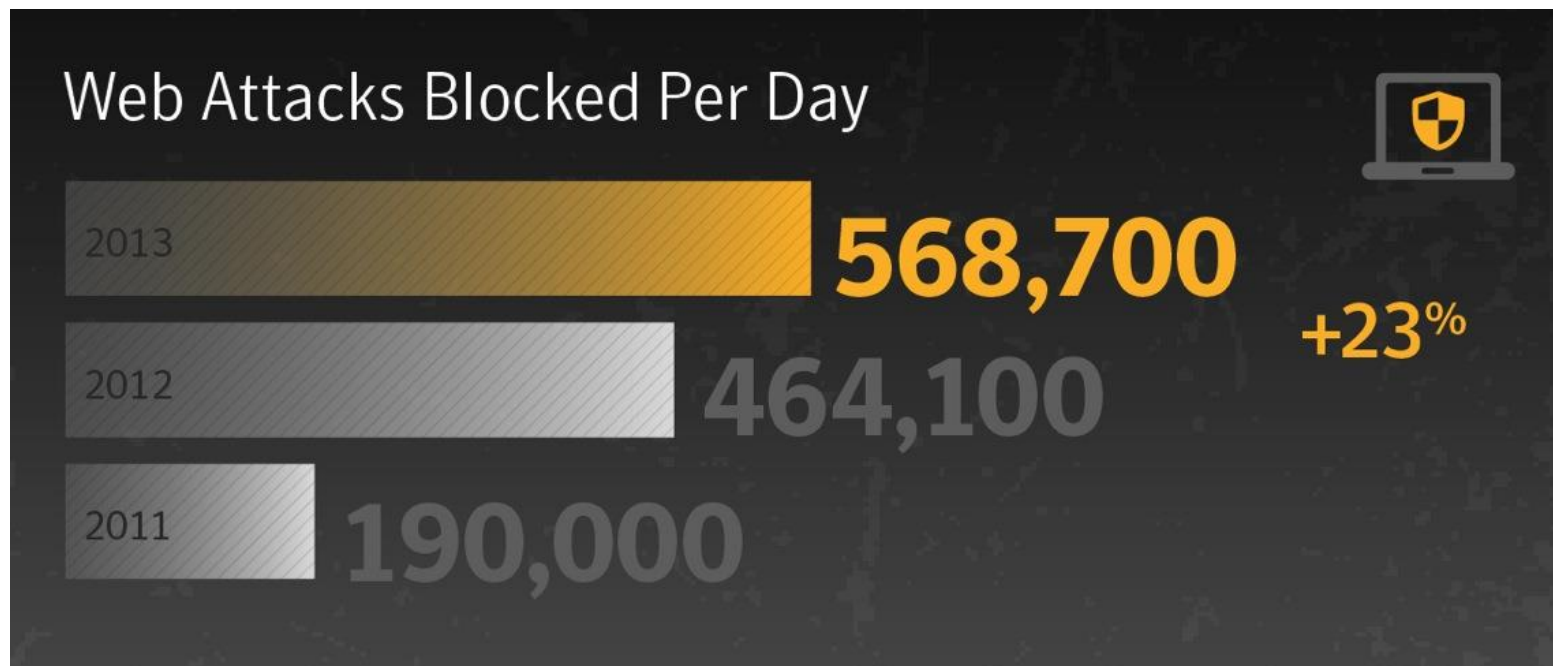




# Common Attack Types



# Web-based Attacks



# Internet of Things

The Washington Post

Search



## How a Russian Web site peers into your home, and your baby's room, by hacking webcams



By Terrence McCoy November 21 at 5:15 AM Follow @terrence\_mccoy



Stock photo showing a sleeping baby. (iStock)

In a dark corner of the Internet, a profound violation of privacy is quietly unfolding unbeknownst to thousands of victims. A Russian-based Web

# Best Security Practices for Business

- 01 Employ Defense-in-depth strategies
- 02 Monitor for network incursion attempts and vulnerabilities
- 03 Antivirus on endpoints is not enough
- 04 Secure website against Man-in-the-Middle attacks
- 05 Protect your private keys
- 06 Use encryption to protect sensitive data
- 07 Ensure all devices on company networks have security protections
- 08 Implement a removable media policy
- 09 Be aggressive with updating and patching
- 10 Enforce an effective password policy
- 11 Ensure regular backups are available
- 12 Restrict email attachments
- 13 Ensure an infection and incident response procedure is in place
- 14 Educate users on basic security protocols





# Questions



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