

Overview

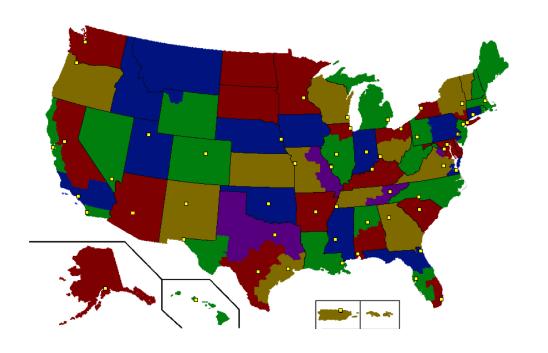
- What are the FBI's Priorities?
- What is the FBI's Cyber Structure?
 - HQ Division
 - Dedicated Cyber squads in all 56 field offices, including satellite locations overseas.
 - Cyber Identity Crisis
- Who works the Cyber Threat?
 - Special Agents, Intelligence Analysts, Support,
 Computer Scientists, Linguists, Contractors

Cyber Mission

- What does the FBI's Cyber Mission look like?
 - Goals:
 - Investigate and collect evidence NOT secure networks.
 - Disrupt threats through arrests, technical ops, intel sharing, etc
 - Benefits victims
 - Change how we share information with the Private Sector, make it a smoother and faster process.

Resources

- Local Field Office
 - Intake
 - Complaints
 - Liaison
- FLASH
- Strategic Outreach
 - Briefings
- Infraguard
- IC3
- NCFTA





What Do We Investigate?





















Cyber, hreats

- Hacktivist
- Criminal
- Insider
- Lone Wolf

- Nation State
- Military
- Terrorist

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- Borderless
- Complex global problem
- Criminal can be anywhere
- Victims can be everywhere
- Endless possibilities
- Applies to BOTH Criminal and Nation State hacking groups

HowDoiTheyDoilti

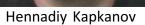
- General answer:
 - Engage in criminal activity
 - Streamline their activity
 - Simply steal money or information from their victims.

Malware | Vulnerabilities | Exploits | Loaders |
Botnets | AV Checkers | SPAM | Crypters | Cash out
services | Mules | Reshippers | Injects | BP Hosting

Crimina

- Goal:
 - Make Money through:
 - Data breaches
 - Malware
 - Money Laundering
 - ID Theft
 - Stolen Credit Cards
- Who:
 - Hacking groups, typically located outside the U.S.







Joint Cyber Operation Takes Down Avalanche Criminal Network

FBI took part in a successful multi-national operation to dismantle Avalanche, alongside our law enforcement partners representing 40 countries and with the cooperation of private sector partners. The investigation involved arrests and searches in four countries, the seizing of servers, and the unprecedented effort to sinkhole more than 800,000 malicious domains associated with the network

Nation State/Military

- Goal:
 - Obtain information from Private Sector companies, or Government entities.
 - High-Tech Espionage
 - Cyber Warfare
- Who:
 - Military
 - Intelligence Services
 - Government sponsored hackers



Insider/Lone Wolf

- Goal:
 - To disrupt or destroy company infrastructure
- Who:
 - Employee/Former Employee
 - Expert Knowledge

THE UNITED STATES ATTORNEY'S OFFICE
WESTERN DISTRICT of PENNSYLVANIA

FOR IMMEDIATE RELEASE

Thursday, June 1, 2017

Houston Man Admits Hacking and Damaging

Computers of Dittaburgh area Health Core

Computers of Pittsburgh-area Health Care Facility

Prosecutors: NSA contractor may have had plans for more leaks



Hacktivist

- Goal:
 - To Promote Ideology
 - For Publicity and/or Disruption
- Who:
 - Non-Specific
 - Often Part of a Group







Terrorist

- Goal:
 - -Trying to cause harm/terrorize
- Who:



Hacker charged with cyber terrorism gets 20 years

By: Matthew Barakat, The Associated Press, September 23, 2016

ALEXANDRIA, Va. — A computer hacker who helped the Islamic State group by providing names of more than 1,000 U.S. government and military workers as potential targets has been sentenced to 20 years in prison.





Open Discussion & Questions

