

CONFRONTING THE CYBER THREAT

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Chinese Economic Espionage

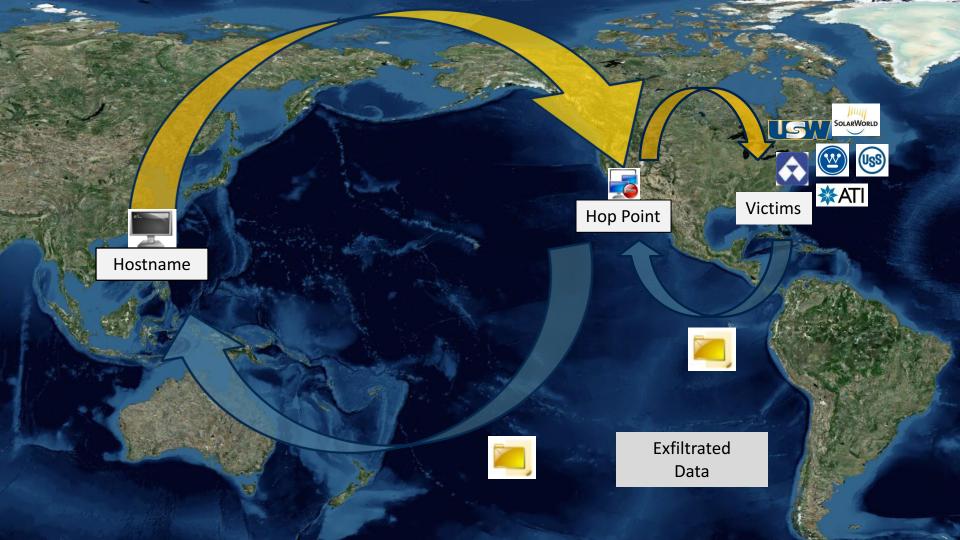
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First time the United States has leveled cyber espionage charges against the military of a foreign country



31-count indictment charges five members of Chinese military with theft of technological secrets and communications





Chinese Economic Espionage





PLA Unit 61398

Employs hundreds, perhaps thousands of personnel

Requires personnel trained in computer security and computer network operations

Requires personnel proficient in the English language

Has large-scale infrastructure and facilities in the "Pudong New Area" of Shanghai

Chinese Economic Espionage

What Did They Steal?





GameOver Zeus/Cryptolocker

GameOver Zeus Malware

One million infected computers worldwide; 25% in the United States

\$100M+ wire transferred from compromised computers to cyber criminals overseas

Haysite Reinforced Plastics in Erie, Penn. bilked of \$375K in October 2011

WANTED

Conspiracy to Participate in Racketeering Activity; Bank Fraud; Conspiracy to Violate the Computer Fraud and Abuse Act; Conspiracy to Violate the Identity Theft and Assumption Deterrence Act; Aggravated Identity Theft; Conspiracy; Computer Fraud; Wire Fraud; Money Laundering;

Conspiracy to Commit Bank Fraud

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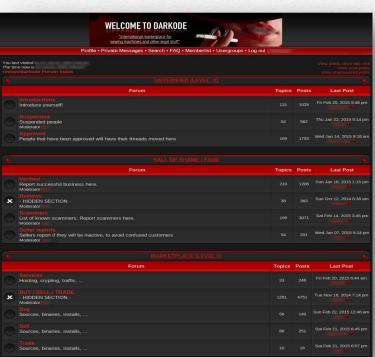
Darkode

Global Cybercrime Marketplace,

Largest, most sophisticated English-language forum

Buy, sell, trade, share cybercrime products

Malware, botnets, passwords, Facebook Spreader, Dendroid

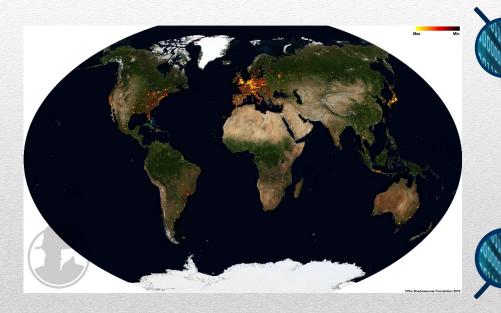


Darkode



Multi-year investigation, infiltrated forum at high level Seized domain 70 members and associates searched or arrested globally U.S. charges 12 criminally in U.S., Sweden, Pakistan, Spain and Slovenia

Avalanche Network



Delivery platform to launch and manage mass global attacks and money mule recruiting campaigns

Infected computers in 189 countries

Monetary losses: hundreds of millions

Five individuals arrested; 37 premises searched; 39 servers seized worldwide

Challenges of Cybercrime Fighting



Opportunities of Cybercrime Fighting



Opportunities of Cybercrime Fighting





Discussion and Questions