

FBI investigating 1,000 suspected 'lone wolf' militants, director says

Suspects radicalised online are being examined in all 50 states, bureau chief says, along with 1,000 'domestic terrorists'



▲ Christopher Wray testifies to senators. 'There are not many dots to connect with some of these people.'
Photograph: Joshua Roberts/Reuters

2015 Paris Terror Attacks Fast Facts

CNN Library

① Updated 2047 GMT (0447 HKT) December 19, 2018



News & buzz



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Photos: World reacts to Paris attacks

A Lone-Wolf Terrorist Is Never Quite Alone

How social media changed terrorism.

By ISAAC CHOTINER

JUNE 13, 2016 • 12:28 AM





Reuters handout



Characteristics of the Lone wolf terrorist

- Men (85%) and Women (15%), age 18 to 35
- Motivate by deep faith or racism
- Difficult to detect and pre-empt
- Before the act they start to act differently:
 - Strange/different behavior
 - Shave beard
 - Post their intention on social media

Somebody knows (Family member, friend..) and fail to report

Motivation



- Group pressure
- Radical belief/religious
- Revenge
- Family rejection
- Social rejection and loneliness
- Been mocked by other
- Feeling they not able to preform religious ceremonies









Cyber warfare – The struggle for data



Control, exploit and defend data, information and information systems

Different types of adversaries













Insiders

Amateurs

Anarchists

Criminals

Terror organizations

States

And different types of weapons

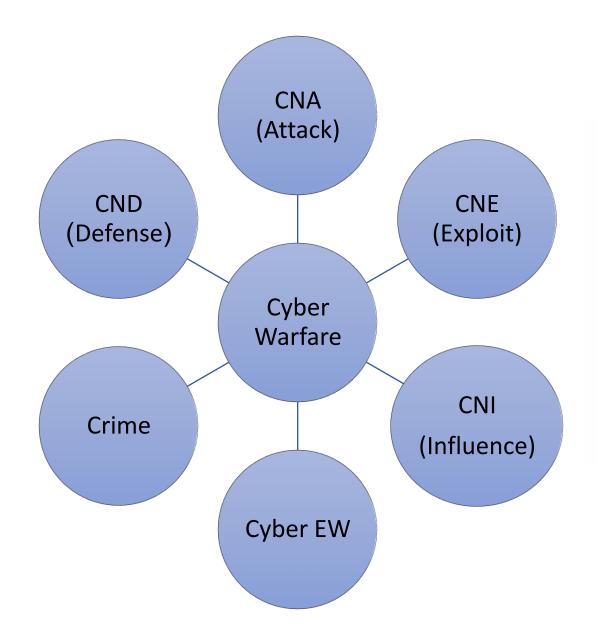




To cheap (even free), easy to get, for everyone and pretty easy to use...



Cyber Warfare









National Infrastructure





Threats to critical infrastructure from Russia and China

In January 2019 testimony in front of the Senate Select Committee on Intelligence, key U.S. intelligence officials – including CIA Director Gina Haspel, Director of National Intelligence Dan Coats, and FBI Director Christopher Wray – outlined the various types of cyber threats that China and Russia pose to the United States, both at home and abroad. They highlighted three key

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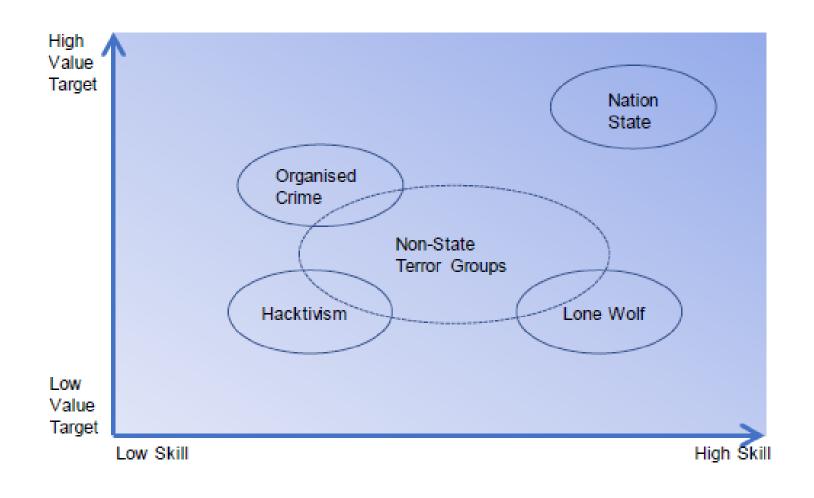
areas where the two strategic rivals pose the biggest threats to national security: cyber attacks against critical infrastructure, online influence and misinformation campaigns on social media designed to destabilize American democratic institutions, and direct interference in U.S. elections (including the upcoming 2020 presidential election).

Who are the cyber-Terrorist?

- States
- Terror organizations
- Activist -> Hacktivist
- Lone Wolf



Threat Intelligence Model of Cyber Capabilities



Few Examples...

Ukrenegro/Ukrainian Blackout (December 2016) – moderate confidence in state-sponsored actor

WannaCry (May 2017) - moderate confidence in state-sponsored actor

NotPetya (June/July 2017) - moderate confidence in state-sponsored actor

UK and US ICS malware evidence (reported July 2017) – moderate confidence in state-sponsored actor

NHS website defacement (January 2017) - hacktivism as claimed by Tunisia Fallaga Team

Barts Health NHS Trojan malware (January 2017) – unknown, hacktivism likely

Shamoon reappearance (January 2017) – likely state-sponsored actor

Operation BugDrop (February 2017) – moderate confidence in state-sponsored actor

Kill list release by United Cyber Caliphate (April/May 2017) – Daesh affiliated United Cyber Caliphate

- . Brute force attack on UK MP emails (June 2017) likely state-sponsored (*) OR hacktivism (*)
- . US government website defacement (June 2017) hacktivism, Team System Dz

WELCOME!



