

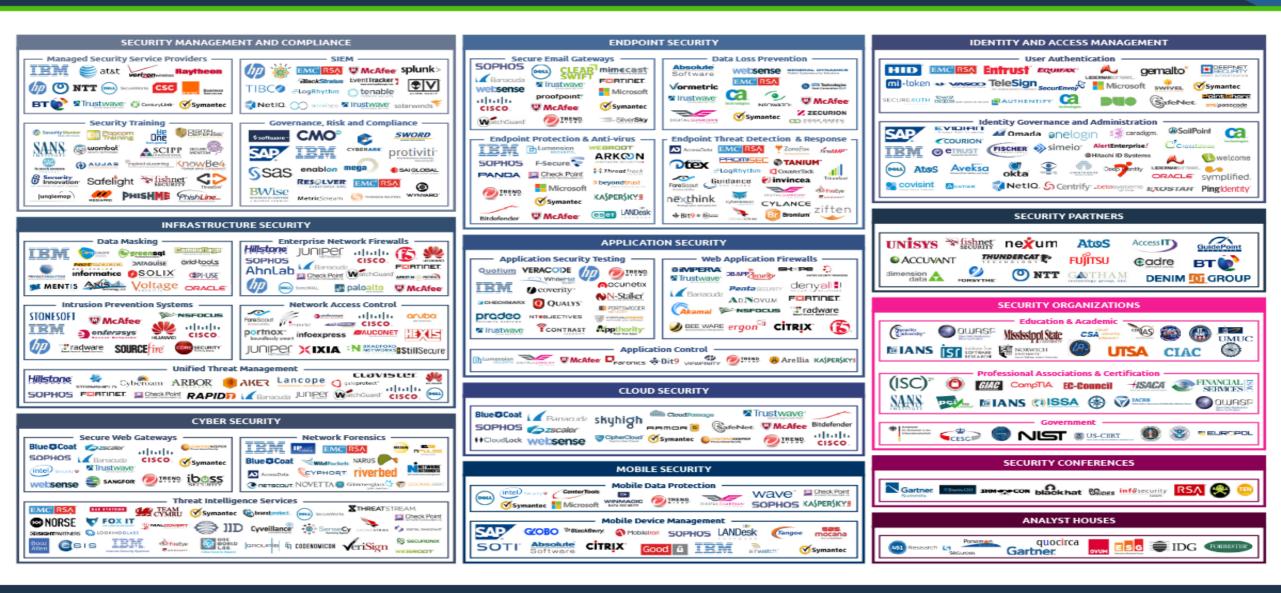
WHAT'S IN A NAME?

- 'Cyber' vs. 'Kinetic'
- Information Warfare
- Cyberattack vs. Cyberwarfare
- Opinion 1 Cyber actions that cause damage comparable to kinetic warfare
- Opinion 2 No cyber actions to date count as 'war' (Iran 2010, DPRK 2014)

THE NEW KID ON THE BLOCK

- Technology
 - (Relatively) low RD&A costs
 - (Relatively) cheaper to acquire/train personnel
- Use
 - Easy force projection
 - Deterrence is complicated
 - Weapon value significantly falls after use
 - Non-state actors are major players
- Attribution is hard

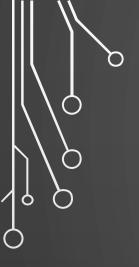
Information Security IndustryScape





L33T H@CKERZ





WEAPONS OF WAR

- What does a cyberweapon look like?
- Vulnerability, Exploit, Payload
- Holy Grail: 0-days
- Many, many publicly available tools...
- State/Agency owned software (Ghidra etc.)

THE ART OF WAR

- Stuxnet
- Mirai Botnet
 - Logged onto vulnerable IoT devices with default credentials
 - DDoS attacks on Dyn DNS service provider
 - Netflix, Github, Reddit, Xbox Live down
- NotPetya
- Olympic Destroyer

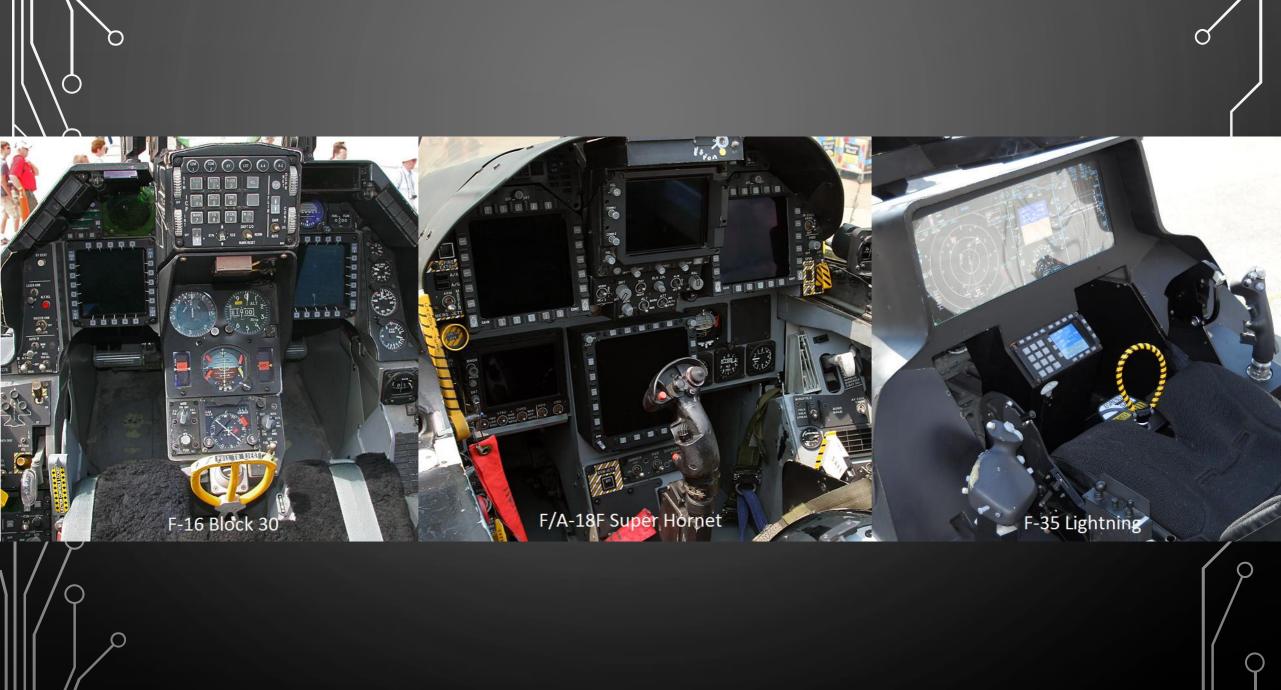


INTELLIGENT SHIPS: THE FUTURE OF NAVAL WARFARE

THE UK'S 'INTELLIGENT SHIP – THE NEXT GENERATION' COMPETITION OFFERS A GLIMPSE INTO THE FUTURE OF THE ROYAL NAVY

DSEI PREVIEW: THE TECH AND TOPICS WE EXPECT TO SEE THIS YEAR

A YEAR IN CYBERSECURITY WITH THE UK NATIONAL CYBER SECURITY CENTRE MANAGING BIG DATA FOR BETTER
DEFENCE AND INTELLIGENCE COMMS



THE RULES OF WAR

- Government agencies and vulnerabilities
 - Classified as weapons, prevent disclosure?
- Build separate Internets?
- Counter cyberattacks with conventional weapons?
- Geneva Convention' for cyberwarfare?

