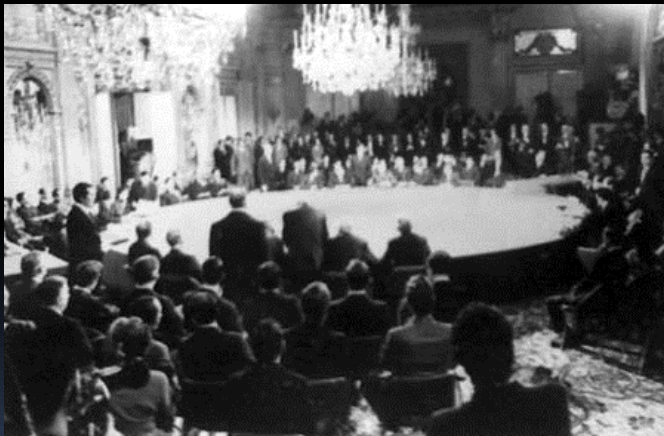


WHEN THE SECRETARY OF STATE SAYS: “PLEASE STOP HACKING US..”

David An
Former U.S. Diplomat
Bureau of Political-Military Affairs
U.S. State Department



Figures: Left, historical photo of 1973 Paris Peace Accords to restore peace following the Vietnam (American) War. Right, Reuters, May 2015, Iran negotiates with the five members of UN Security Council plus Germany.



Real-Time Cyber Attack Map



Figure: Live attack map sample from September 8, 2014. Norse Corporation.
See the current live cyber attack map on your smart phone
or computer: <http://map.norsecorp.com/>

DDoS shuts down Facebook



Figure: On June 19, 2014, a massive distributed denial of service (DDoS) attack appears to originate from China and shut down Facebook that afternoon for half an hour. Youtube.

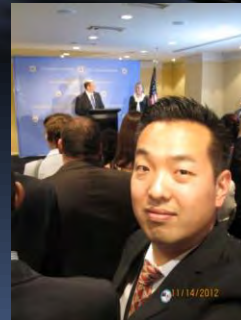
United Nations General Assembly



U.S.-China Strategic and Economic Dialogue



Australia-U.S. Ministerial Meeting



Cyber diplomacy

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Key points:

- Insight on senior bilateral dialogues
- Attribution problem
- Disclosure dilemma
- Recommendations for white hat hackers, private companies, and the U.S. government

Cyber weapons and cyber espionage

- Politics
- Economics
- Military



Types of dialogues

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- Senior level discussions
- Subject matter expert talks
- Intelligence-policy hybrid talks

Cyber as topic in diplomacy

How does cyber security become a topic?

- News
- Intelligence sources
- White House, Pentagon, State leads
- Stakeholder office edits and clears
- Desk officer
- Precedence



Roadblocks in senior dialogues

- Attribution problem
- Disclosure dilemma

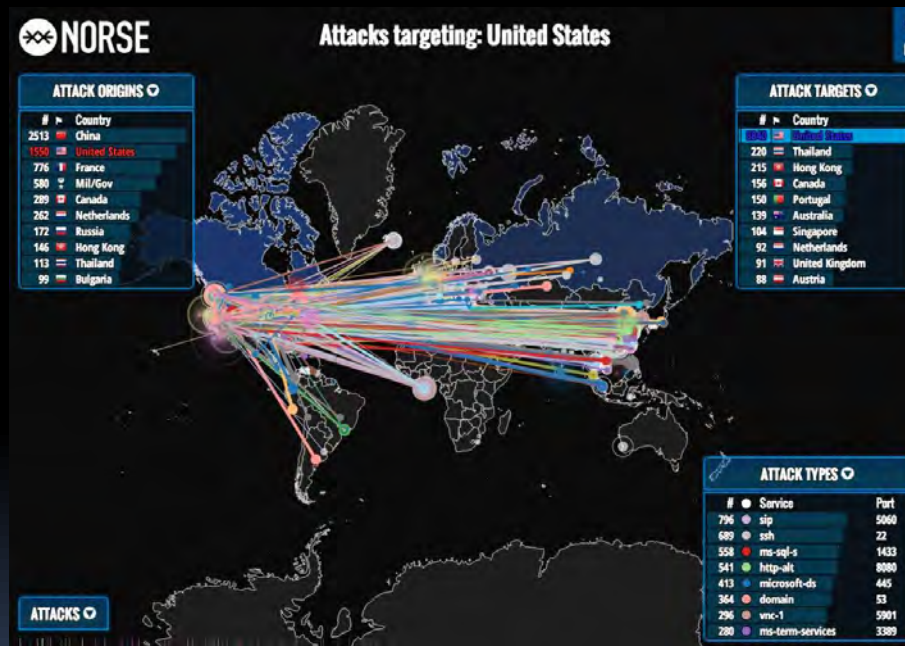
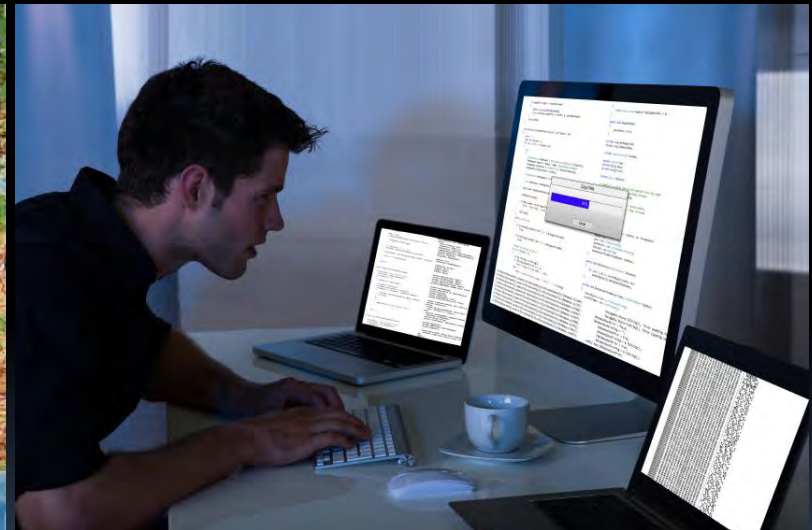


Figure: U.S. hit by 5840 attacks within a 45 minute span around June 2014.

The “5 Ws” plus “how”

- Political science and area studies
- Technical skills



State versus non-state actors

| | |
|---|--|
| State actor targets state actor: Allegedly Stuxnet | State targets non-state actor: Sony hack due to "The Interview" movie |
| Non-state actor targets state actor: | Non-state actor targets non-state actor: Target, Home Depot hacks |

Classic scenario

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- The Secretary of State says to his or her foreign minister counterpart: “Please stop hacking us...”



How we can do better



- Problems with private companies disclosing hacks.
- Governments and the attribution problem, and the government-to-government disclosure dilemma.
- Governments and norms

Thinking like a cyber diplomat

- Senior bilateral dialogues
- Attribution problem
- Disclosure dilemma
- Recommendations

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Appendix:

```
: %08d SetHandleInformation error: %08d MoveFileEx error: %08d GetLastError: %08d open cmd.exe %COMSPEC% cmd /d /a /c %s SOFTWARE\Policies\Microsoft\Windows\System DisableCMD Unable to find cmd.exe Unable to patch cmd.exe la revedere Unable to start %s Unable to install %s Installation of k /d /c ping 127.0.0.1 -n 15 & rename "%s" "%s" & type %%windir%%\explorer.exe > "%s" & del /f "%s" File saved successfully Download failed File decryption failed File is empty Current dir: %s %-15s: %s %-15s: %-15s: %s %s %-15s: %d seconds %-15s: %d.%d %s %-15s: Windows %s SP%d x86
```

- Source: [Softpedia.com](https://www.softpedia.com)