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If you don't like the game, hack the playbook...

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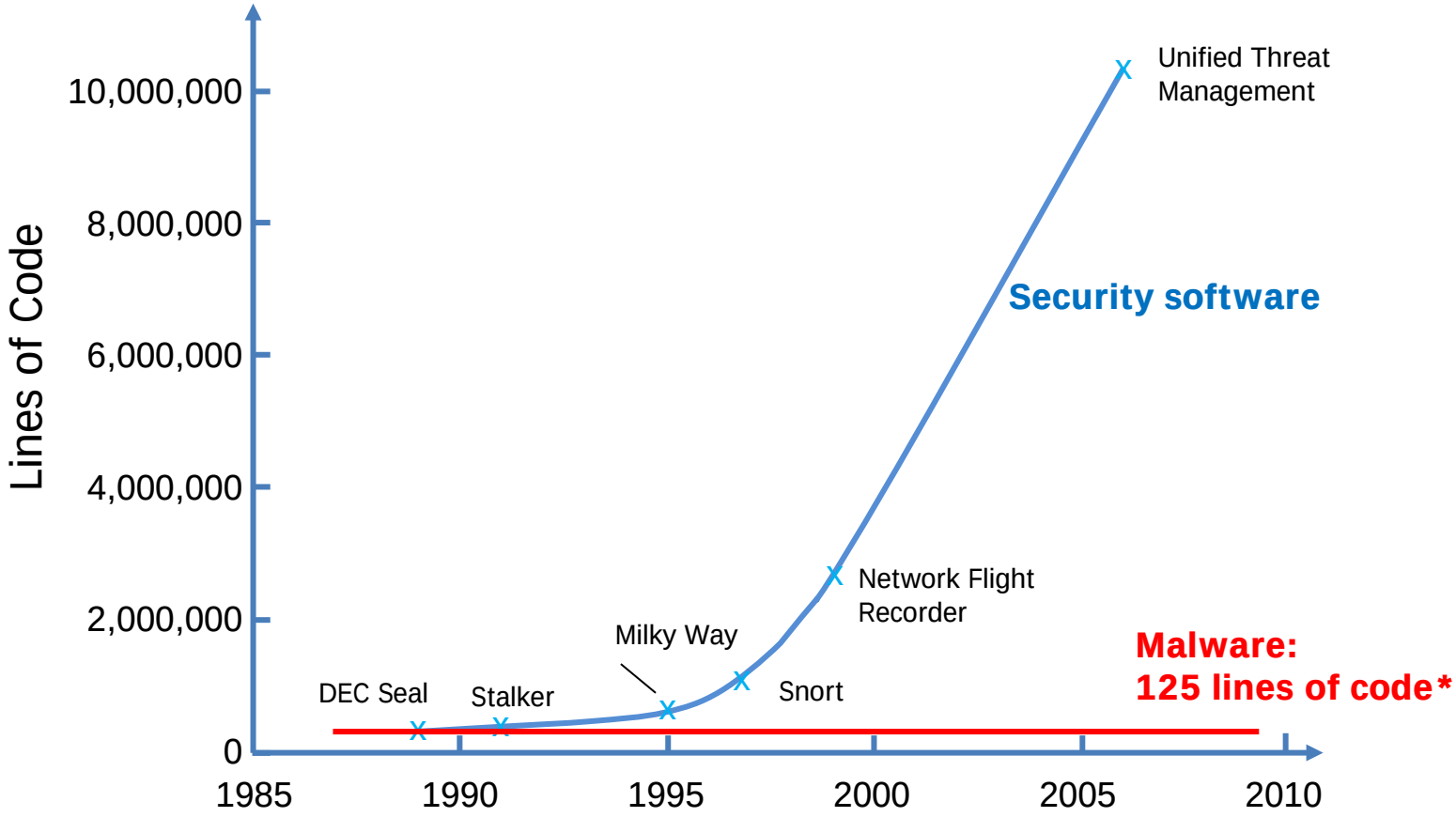
The Problem: Not Convergent

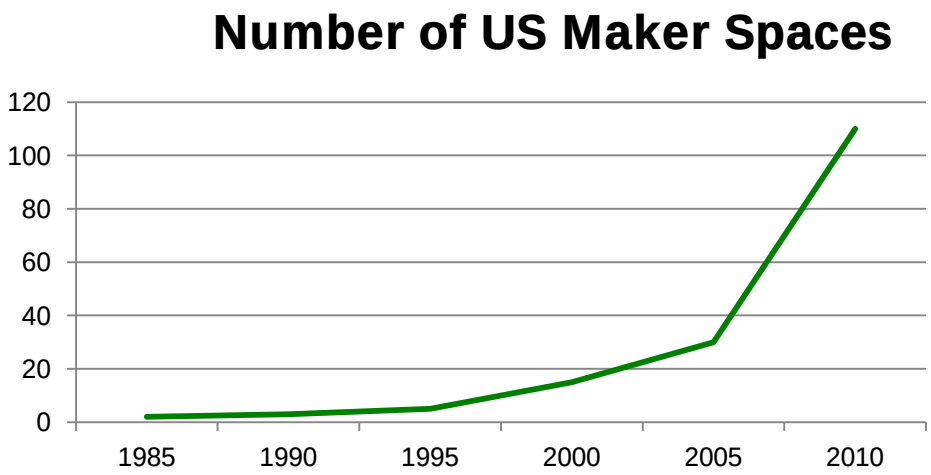


* Public sources of malware averaged over 9,000 samples (collection of exploits, worms, botnets, viruses, DoS tools)

Maker spaces and boutique security firms

- Small groups of motivated and like minded researchers have repeatedly shown significant talent and capabilities.
- Commodity high end computing, personal prototyping and fabrication capabilities, and open software tools remove barrier to entry.
- The new “home brew computer club”...
- This relationship needs to be mutually beneficial. DARPA intends to cultivate relations and become a resource.

NYC Resistor – Brooklyn, NY
Source: Make Magazine



The New Cyber Braintrust

Assembly, Helsinki, Finland May 8, 2004

Cyber Fast Track

DARPA-PA-11-52

Patient Zero

Dino Dai Zovi

Hank Leininger

Fyodor

Bruce Potter

Cyber Fast Track Themes

- Crowd
  - Many eyes on many efforts
- Fast and cheap
  - Faster than adversary lifecycle (transition while still relevant)
  - Low price point
- Diverse
  - Numerous approaches
  - Numerous efforts

The key to a good strategy is to have multiple options.

Current Cyber Fast Track Efforts

Performer	Effort	Period of Performance
Rogue Networks	Methods of Detecting Malicious Web Server Traffic	3 Months
Immunity Federal Services, LLC	Combining Expert Knowledge and Symbolic Analysis for Detection of Exploitable Bugs	7 Months
Charlie Miller	Evaluation of Near Field Communication in Mobile Smartphones	7 Months
Secure Ideas, LLC	MobiSec Live Environment Mobile Testing Framework	3 Months
Korelogic, Inc.	Hand Held Testing	2 Months
Assured Information Security, Inc.	MoRE: Measurement of Dynamic Code	4 Months
Peak Security, Inc.	TinyLANE - Mobile Hardware Endpoint Security for Individuals	9 Months
Raphael Mudge	A Language to Control and Automate Cyber Capabilities	7 Months

Cyber Fast Track So Far...

In its first 2 months:

- 31 submissions - 19 non-traditional performers
- 8 awards - 7 non-traditional performers
- Average time from submission to award is 7 days
- Average period of performance: 5 months

www.cft.usma.edu

Cyber Fast Track

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DARPA CFT Town Hall meetings

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