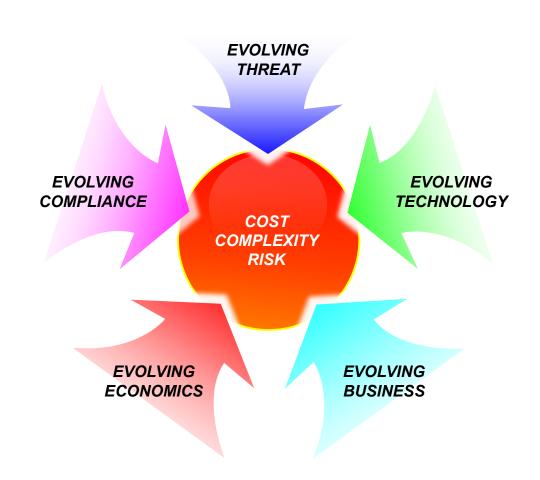


Rugged Software Development

Joshua Corman, David Rice, Jeff Williams

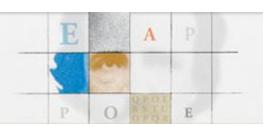
SANS Application Security Summit February 5, 2010

Context



RSACONFERENCE | Where The World Talks Security

USA 2009 20-24 April | Moscone Center | San Francisco









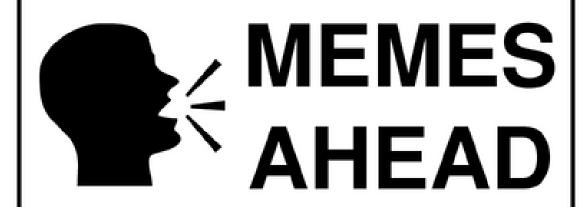




"What is missing from software security?"

THEORIES PRACTICES HABITS SONGS OPAGA SURVIVAL AND COMPETITION INFLUENCE THEM

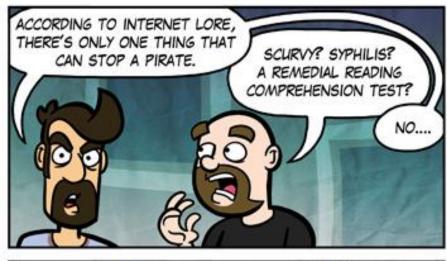




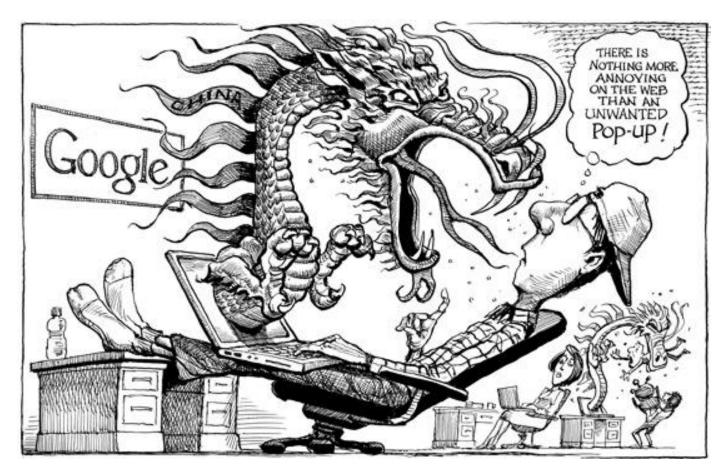
December 2000, verrigines with factor time districtive to the later, over extensions of CHIRD PAY-1000.



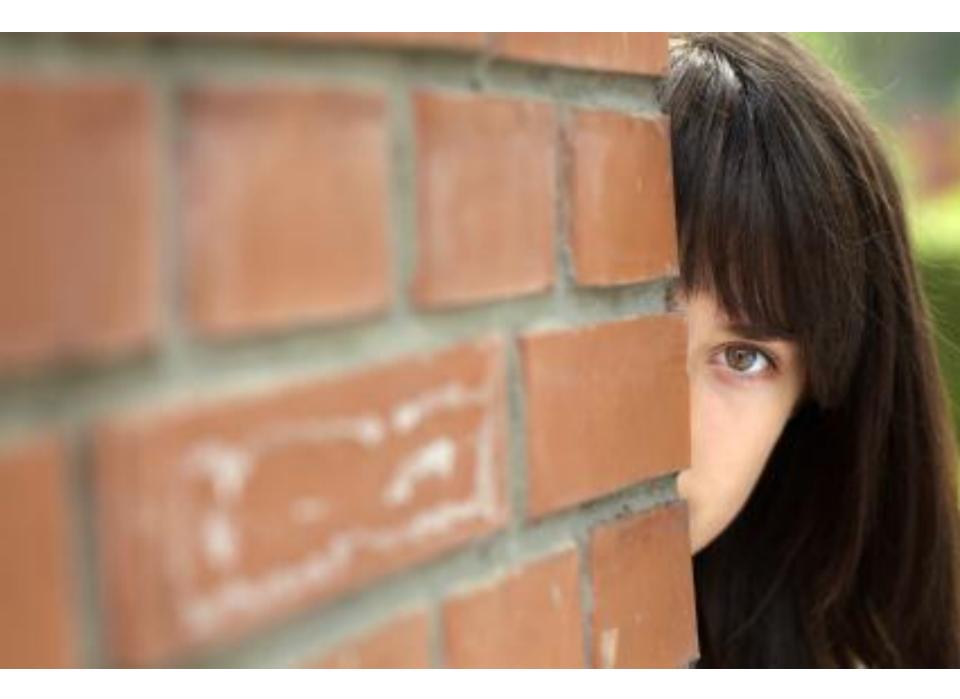


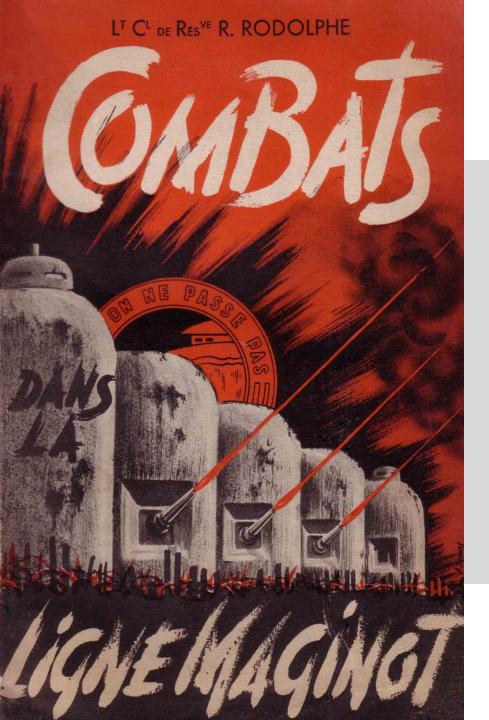






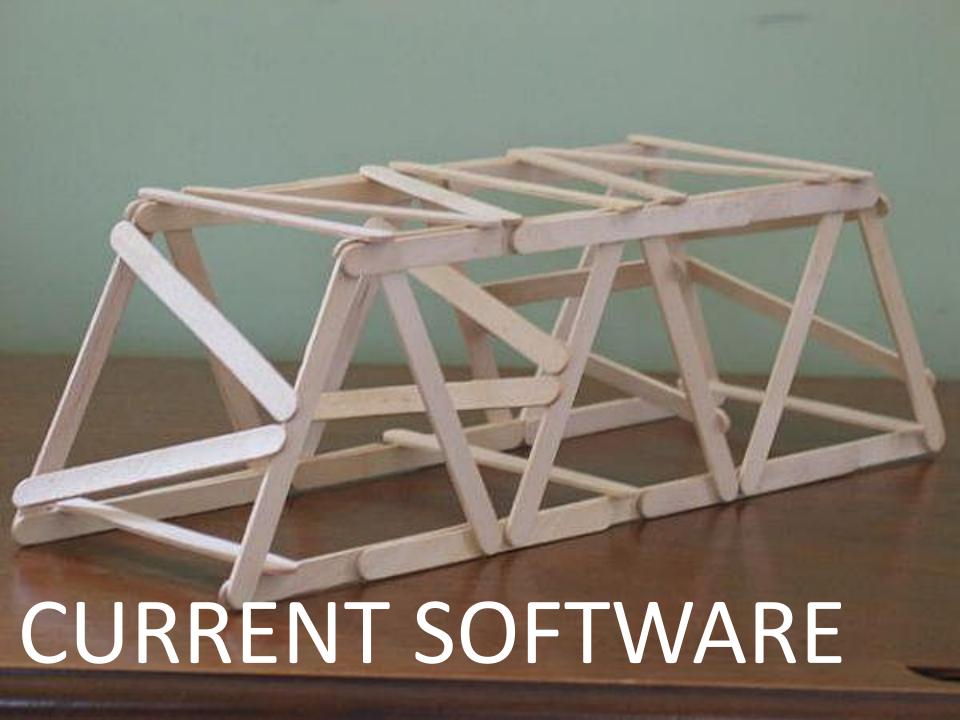
Secure software is critically important to almost every aspect of life.





"A fortress mentality will not work in cyber. We cannot retreat behind a Maginot Line of firewalls...If we stand still for a minute, our adversaries will overtake us."

-William Lynn, U.S. Deputy Secretary of Defense January 2010



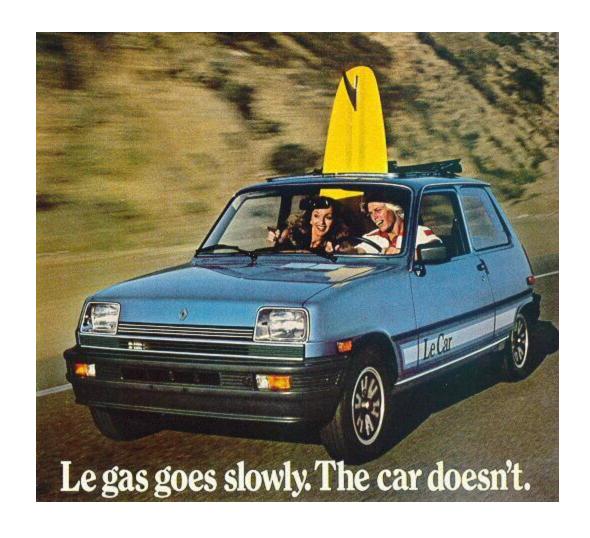


RUGGED SOFTWARE





RUGGED SOFTWARE



CURRENT SOFTWARE







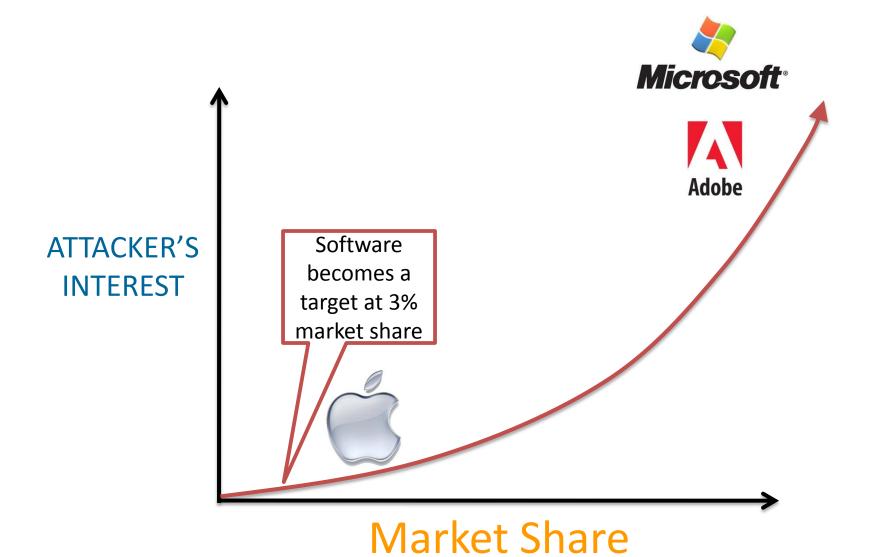








There is no such thing as "toy" software.



THE MANIFESTO

I am rugged - and more importantly, my code is rugged.

I recognize that software has become a foundation of our modern world.

I recognize the awesome responsibility that comes with this foundational role.

I recognize that my code will be used in ways I cannot anticipate, in ways it was not designed, and for longer than it was ever intended.

I recognize that my code will be attacked by talented and persistent adversaries who threaten our physical, economic, and national security.

I recognize these things - and I choose to be rugged.

I am rugged because I refuse to be a source of vulnerability or weakness.

I am rugged because I assure my code will support its mission.

I am rugged because my code can face these challenges and persist in spite of them.

I am rugged, not because it is easy, but because it is necessary... and I am up for the challenge.

Rugged?

WHAT IS RUGGED?



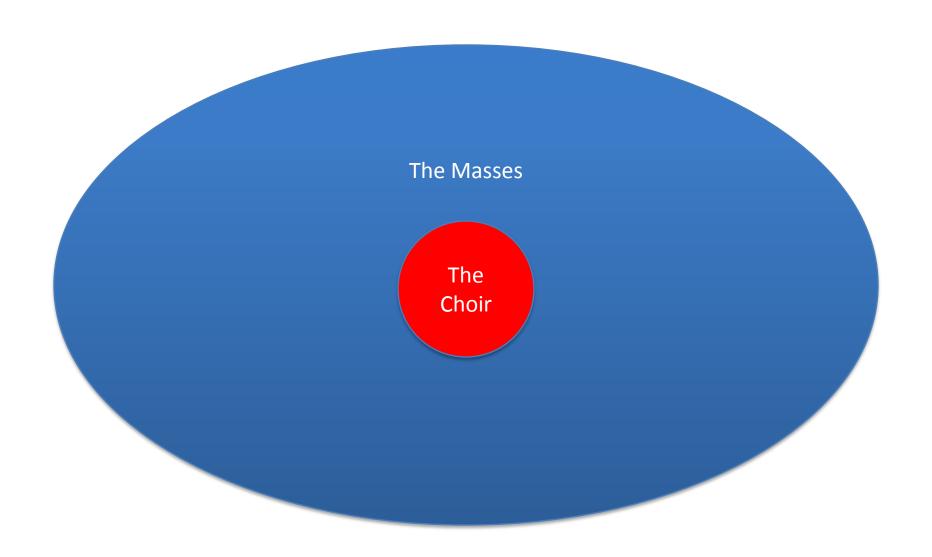
It's not about style, it's about the result.



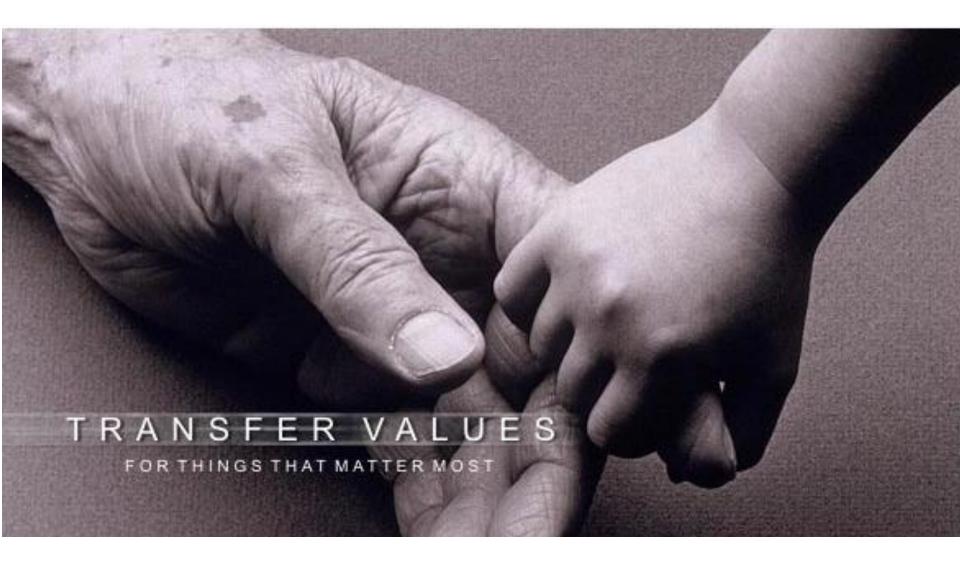
RULES

- 1. YOU CAN
- 2. you canit...
- 3. YOU CAN
 - 4. you can't

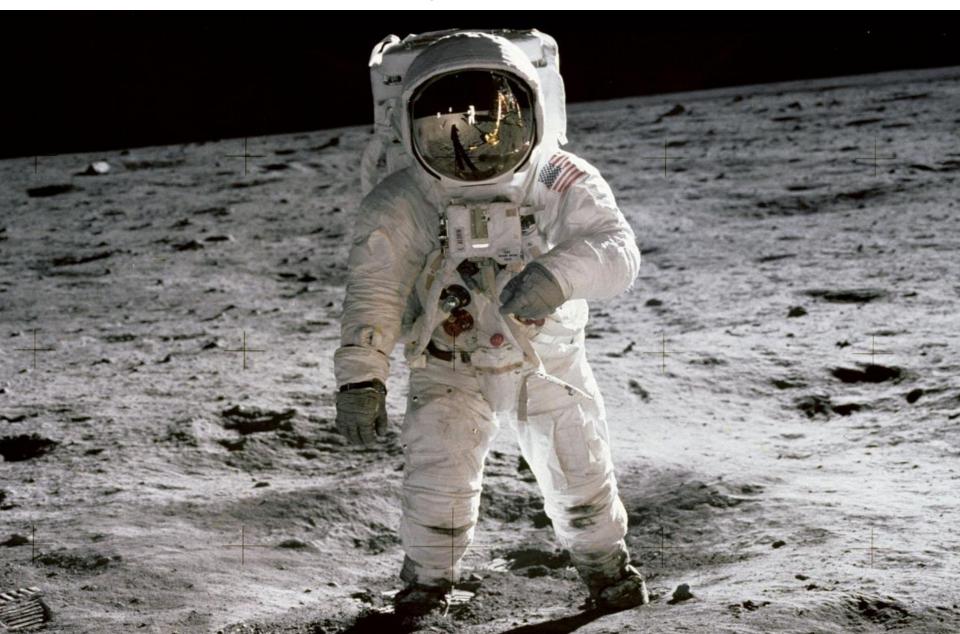
1) Beyond the choir



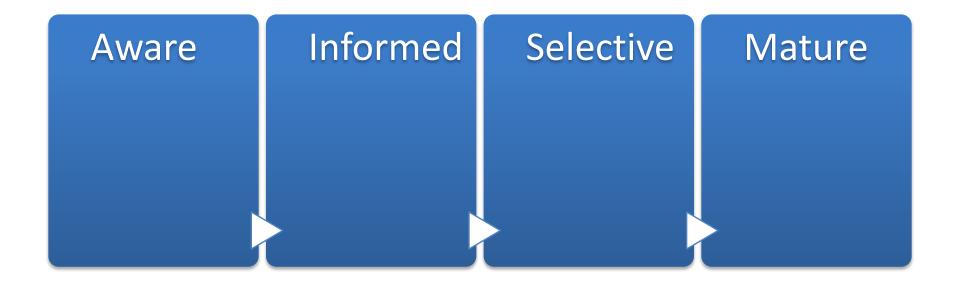
2) Beyond technology



3) Aspirational



The Journey



GETTING INVOLVED

Folks Who Helped Shape This

- Dan Geer, In-Q-Tel
- Chris Hoff, Cisco
- Chris Wysopal, Veracode
- Scott Crawford, EMA
- Pete Lindstrom, Spire Security
- Andrew Hay
- Tom Kellermann, Core Security
- Will Gragido, Cassandra Security
- Eric Hanselman, LeoStream
- Marisa Fagan, Errata Security
- Anton Chuvakin, Security Warrior

- Joe Jarzombek, DHS
- Barmak Meftah, Fortify
- Nick Selby, Trident Risk Mngt
- David Etue, Fidelis
- Rich Mogull, Securosis
- Adrian Lane, Securosis
- Tim Greene, NetworkWorld
- Dan Guido, NYU: Poly
- Caleb Sima, HP
- Ryan Barnett, Breach Security
- Jack Daniel, Astaro
- Jennifer Jabbusch, CAD, Inc.

Next Steps...

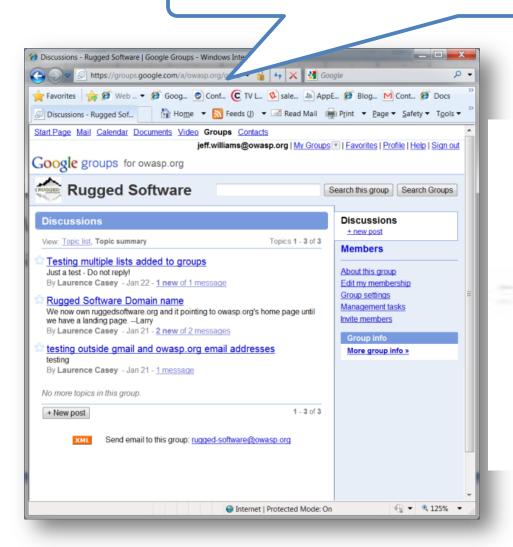
- Charter Members
- Introductions to University CS Programs
- Chair and Co-Chair Working Groups
 - Welcome Package: Getting Started
 - Business Cases





http://ruggedsoftware.org

https://groups.google.com/a/owasp.org/group/rugged-software





Google Groups

"What does Rugged mean to you?"