## "Just because you're paranoid doesn't mean they aren't out to get you."

Cryptography Research, Inc: Leader In Advanced Cryptosyster

— Anonymous (Author in hiding)

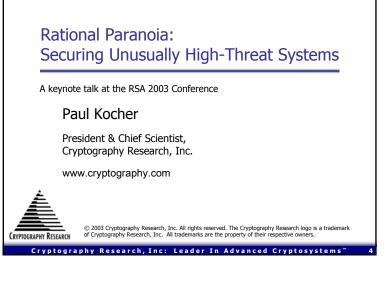
This talk is about data security against intelligent, motivated bad guys.

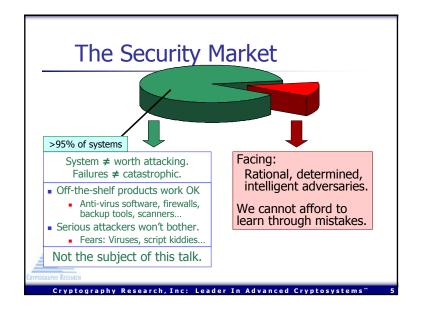
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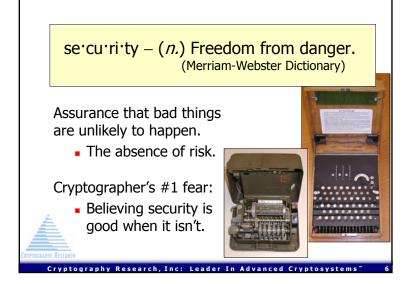
If there is a fatal weakness in a product...

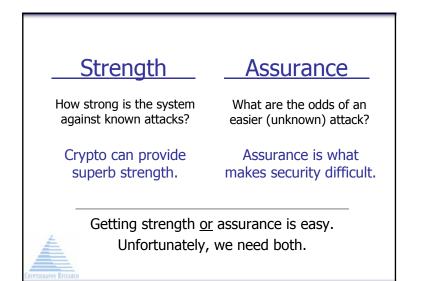
Adversaries will find it if they invest the time and effort.

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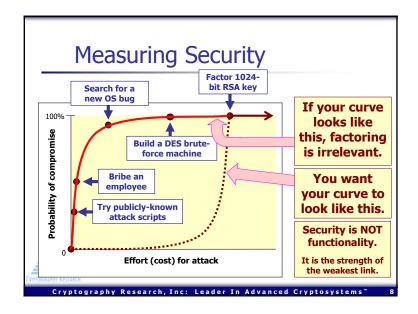


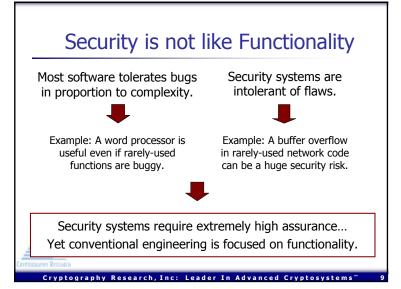


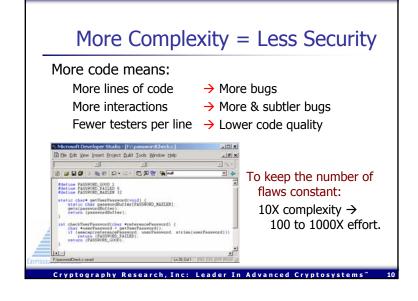


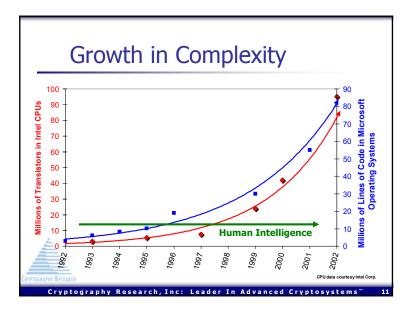


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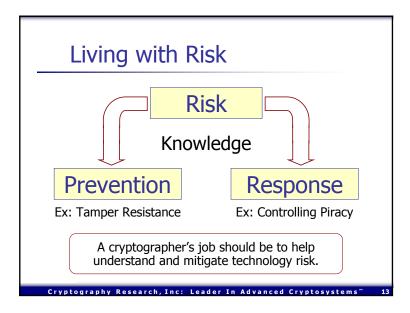


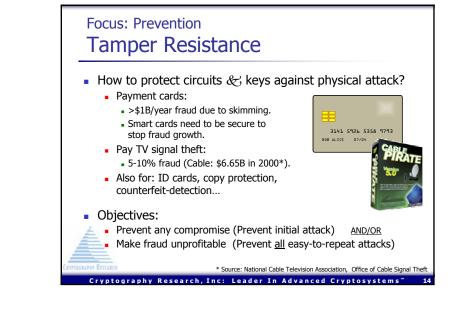


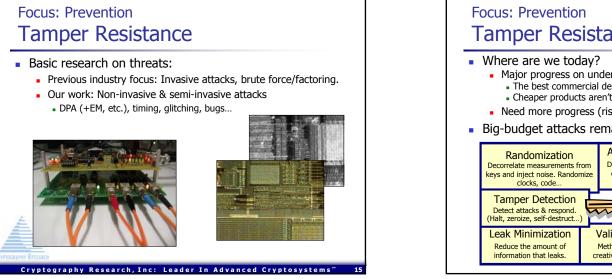




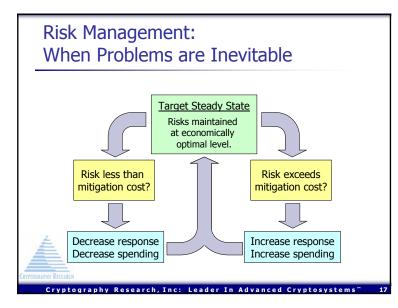


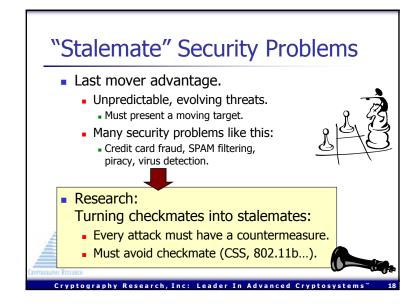












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## Focus: Recovery Distributing Movies on Optical Media Research: Programmable security Players provide a standardized execution environment. Player: Virtual machine, crypto support, keys. Content carries its own decoding software. Total flexibility: Can have great security or no security. Plaver provides the execution environment. (Not the security code.) Crypto Oracles Processor Crypto Output runnina Interfac Virtual New content Destination can carry new device or countermeasures. program (Goal: Stalemate) Decrypt 8 Media Decode Interface E Flexible risk management: Content can detect compromised output devices, device drivers Differences from legacy media player Cryptography Research, Inc: Leader In Advanced Cryptosystems

