



Week 1

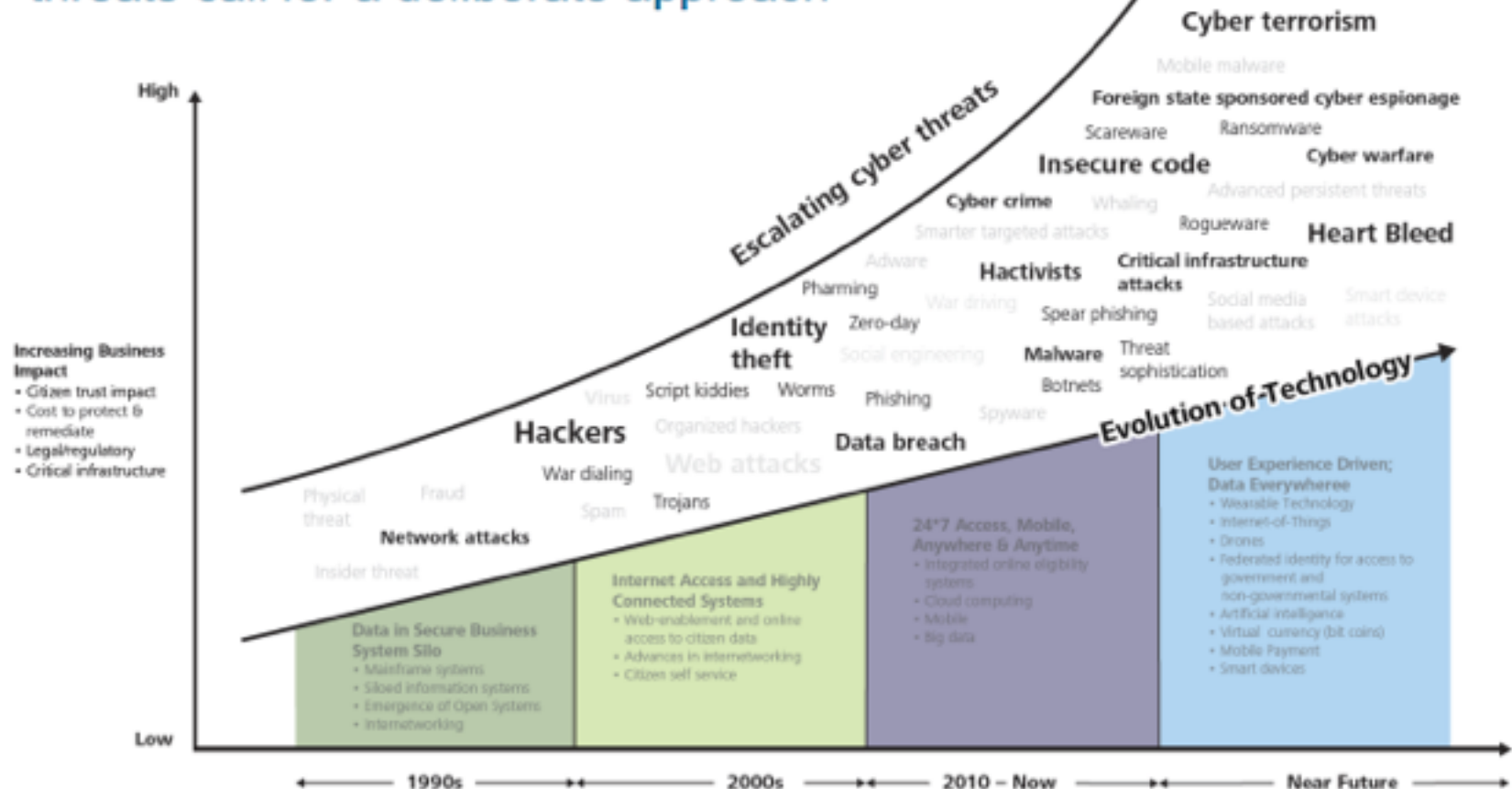
Security Trends

Security Trends: Example

- Internet Security Threat Report

Increasing Cybersecurity Concerns

Evolving technology and rapidly escalating cyber threats call for a deliberate approach



Continued year-over-year rise is no surprise

Given the nature and number of very prominent security breaches over the past year, it comes as no surprise that incidents reported by respondents to *The Global State of Information Security® Survey 2015* continued a year-over-year rise.

The annual survey of more than 9,700 security, IT, and business executives found that the total number of security incidents detected by respondents climbed to 42.8 million this year, an increase of 48% over 2013. That's the equivalent of 117,339 incoming attacks *per day, every day*.

Taking a longer view, our survey data shows that the compound annual growth rate (CAGR) of detected security incidents has increased 66% year-over-year since 2009.

These numbers are by no means definitive, however; they represent only the total incidents detected and reported. As noted, many organizations are unaware of attacks, while others do not report detected incidents for strategic reasons or because the attack is being investigated as a matter of national security.

Figure 2
Security incidents grow 66% CAGR
Total number of detected incidents



PwC (2014). *Managing cyber risks in an interconnected world: Key findings from The Global State of Information Security® Survey 2015*

Where Are We Going?

- Unfortunately, there is no silver bullet
- Absolute security does not exist
- However, we hypothesize that security in most systems can be improved
 - Therefore, many researchers and vendors have been working hard for better security solutions



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