

Case Studies in Public Private Partnership

Resilient

Innovative

Trustworthy



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Trustworthy Computing

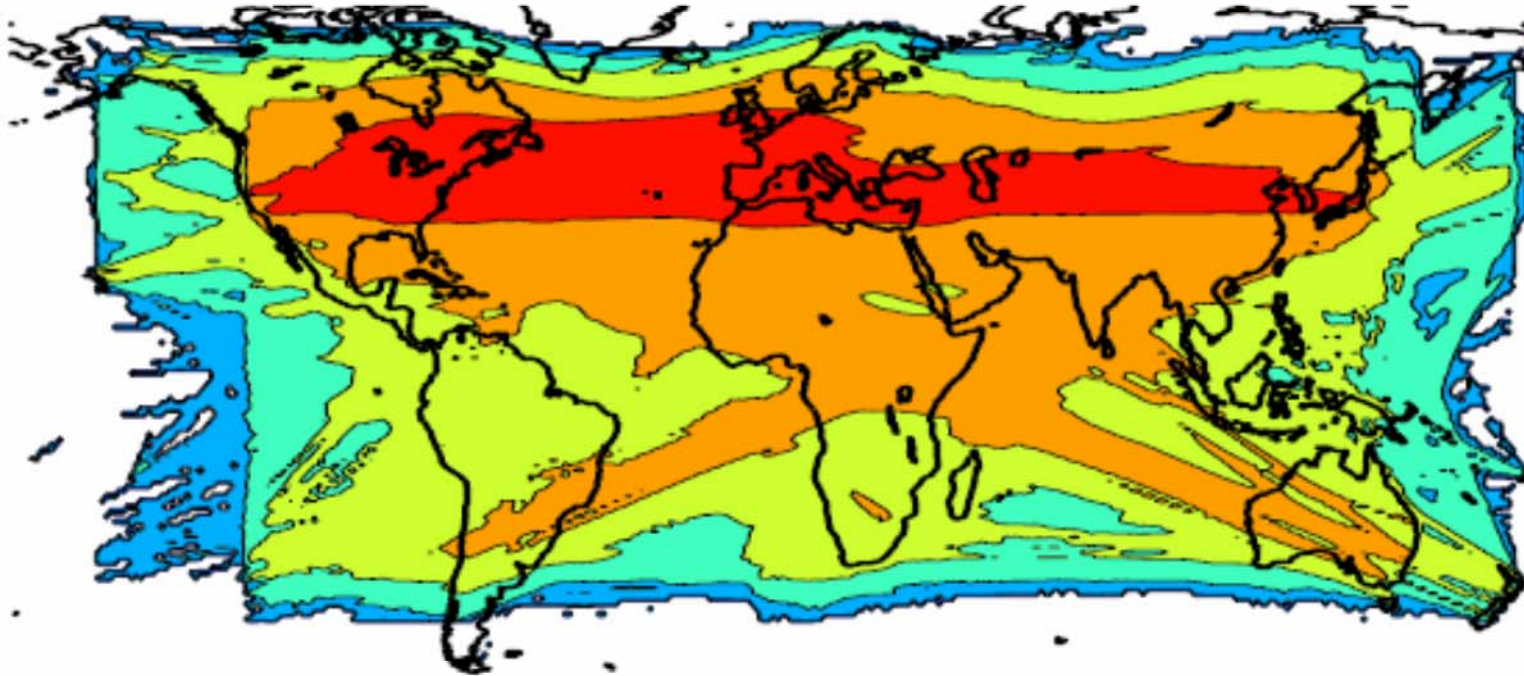
Microsoft
Critical Infrastructure Protection

Microsoft's Critical Infrastructure Protection Program



Drive strategic ecosystem and internal change that enhances critical infrastructure security and resiliency, builds trust and alignment of action with governments and critical infrastructure providers.

The World Today



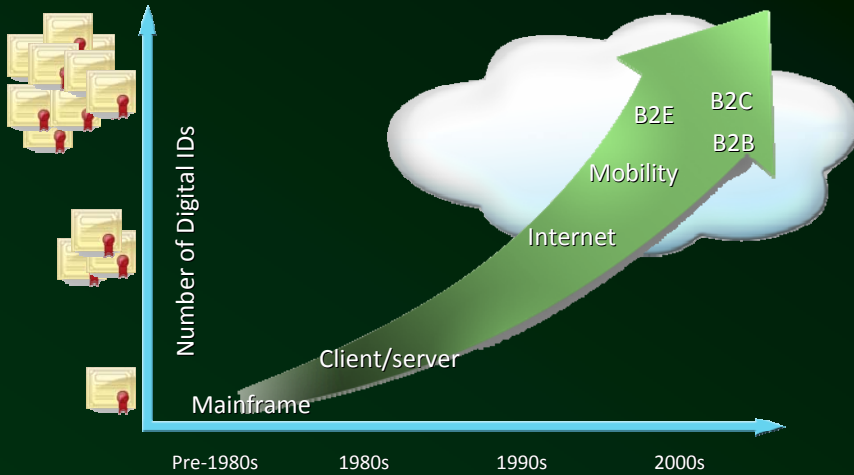
Instant Messenger traffic – one day in June 2006

- Almost 1 billion different sessions with more than 7 billion IM messages sent
- Approximately 93 million users logged in with 64 million different users becoming engaged in conversations
- Approximately 1.5 million new users that were not registered within Microsoft Messenger were invited to join

Threat Trends

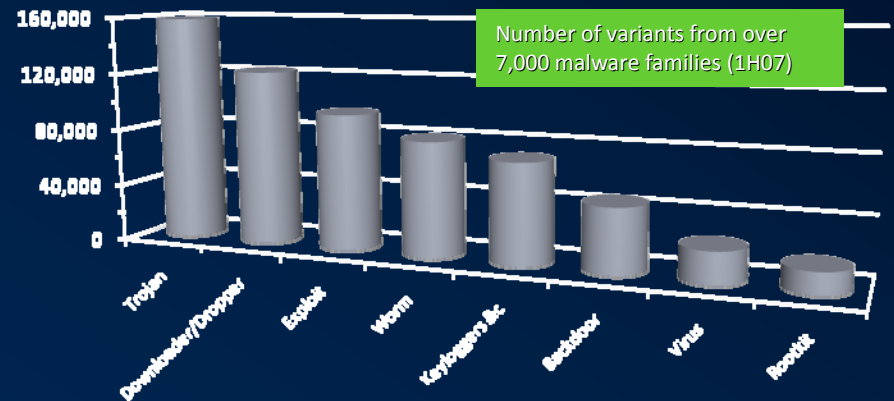
Exponential Growth of IDs

Identity and access management challenging



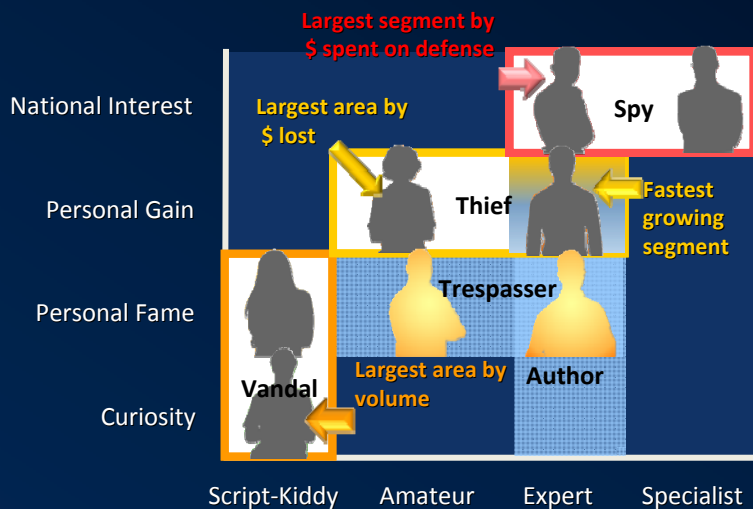
Increasingly Sophisticated Malware

Anti-malware alone is not sufficient



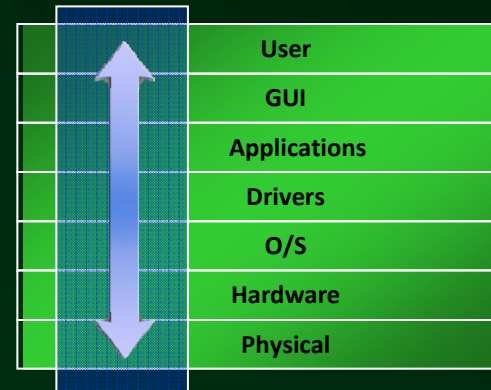
Source: Microsoft Security Intelligence Report (January – June 2007)

Crime On The Rise



Attacks Getting More Sophisticated

Traditional defenses are inadequate



Examples:

- Spyware
- Rootkits
- Application attacks
- Phishing/Social engineering

CIIP Partnership Fundamentals

- Embraces core aspects of terms "public-private" and "partnership"
- Provides the structure, processes, and environment for "Trusted Collaboration"
- Aligns industry and government requirements, priorities, goals and objectives
- Flexible and adaptable to address changing risk landscape
- Provides value for both government and industry members
- Focuses on continual improvement and assessment of lessons learned

International Partnerships

- **International Telecommunication Union**
 - Member of the ITU's Development Sector to build cyber security capacity and promote effective risk management skills
 - Contributed to report for national administrations with a management framework for addressing cybersecurity at the national level and for organizing and implementing a national cybersecurity strategy
- **International Botnet Task Force**
 - Dedicated to sharing information about botnets, including intelligence, technical details, and strategies in order to combat the botnet problems
 - Includes 130 law enforcement participants from over 30 countries, and 50 industry participants from over 40 private companies

National-level Partnerships

Japan

- Japan Computer Emergency Response Team Coordination Center
- National Infrastructure Security Center

Australia

- Infrastructure Assurance Advisory Group

United Kingdom

- Centre for the Protection of National Infrastructure
- Vendor Security Information Exchange

United States

- Critical Infrastructure Partnership Advisory Council
- Network Security and Information Exchange
- National Security Telecommunications Advisory Committee

Microsoft

Critical Infrastructure Protection

Private Sector Partnerships



Industry Consortium for Advancement of Security on the Internet

- Enhances the global security landscape by driving excellence and innovation in security response practices
- Enables its members to proactively collaborate to analyze, mitigate, and resolve multi-vendor, global security challenges

Software Assurance Forum for Excellence in Code

- Dedicated to increasing trust in ICT products and services through the advancement of proven software assurance methods
- Paper released tomorrow:
Fundamental Practices for Secure Software Development: A Guide to the Most Common and Effective Secure Development Practices in Use Today

Resources

- **Critical Infrastructure Resiliency Exercise Guide**
cipteam@microsoft.com
- **Security Intelligence Report**
<http://www.microsoft.com/downloads/Search.aspx?displaylang=en#>
- **Security Cooperation Program**
<http://www.microsoft.com/Industry/government/scp.msp>
- **Microsoft Security Response Center**
secure@microsoft.com
- **SAFECode**
www.safecode.org
- **ICASI**
www.icas.org

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Microsoft

Critical Infrastructure Protection

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Your potential. Our passion.™

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Critical Infrastructure Protection