



solutions

Panel Discussion

Alice Decker Senior Researcher Antivirus CoE 10th March 2009

In the past, bad guys were individuals in known bad neighborhoods



They used to code bad programs (malware) in their leisure time. That bad guys were conducting cybercrime (spreading malware) by accident or by the purpose of showing off.

Now the bad guys are next door to us

ecuring Your Web World



Now there's a well organized cybercrime economy where the threats are silently infecting PCs and harming people's and business' reputations and finances.

What does *"infect"* my Computer?

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- **Malware** is any computer program that can/is used to exercise individual, collective or business harm.
 - A Trojan is malware that is designed/used to manipulate computer systems like stealing passwords, intercepting data, opening ports, changing system settings (hiding programs, forbid application's execution, etc.). Trojans usually arrive as an attachment to email or as a downloaded program via the web.



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What does *"infect"* my Computer?

- In the past Malware was developed for fun, to show off in communities, to highlight security issues or to combat the evil commerce.
 - A Worm is malware that may do all the same things a Trojan can do. Additionally a Worm replicates itself (creates copies) on disk or via network (LAN, web or email)



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What does "infect" my Computer?

PE File Format

- **Malware's** applied technologies are nowadays as complex as the criminal business models.
 - A Virus is malware that may do all the same things a Worm can do. Additionally a Virus replicates itself in applications or data files (macro and script). They are executed when normal system programs are started.



The IT world is no longer orderly and compartmentalized

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Today, network boundaries are obscured security your web world

. . .



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... and information transactions are easily confused



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Cybercrime is no longer a "Cloud" matter security was workd

Cybercrime is used to

- Steal money
- Collect and sell data (intellectual property , industrial espionage, personal information)
- Support terrorism (attacks on SCADA, Internet or governmental infrastructure)
- Blackmail corporations, organizations and individuals

Web Threat Growth

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Since 2005 the number of Web threats increased with 2355%. Trend Micro receives and processes more then 15,000 unique samples per day.

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The Cyber-Future ...

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- ...We are right in the middle
 - Malware can be very quickly adapted to any cybercriminal business models
 - Artificial metamorphism, stealth methods, blue bill mode and cryptography are high level techniques that are already in place
 - In the cyber market research on new applicable technologies is considered to be cheap and effective (some of them are gathered through stealing intellectual property and espionage)

Trends

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DNS changer SaaS (cloud computing) Search Engines

Internet Platform

Social Networks Virtual Worlds Blogs, Forums, Wiki

EXPLOITATION

Automation (Mass attacks)

SQL injection Web sites infection Network pollution Conveniences In Operating Systems End point devices

Identity theft

http://us.trendmicro.com/us/threats/enterprise/security-library/threatreports/index.html

There is more then one Solution

ecuring Your Web World

Find the criminals

- Follow the Money...Law Enforcement is empowered to succeed
- Detect malware... Security Industry has done it from the beginning

Prevent cybercrime

- Set up International laws to oversee conduct on the Internet ...
 Law Enforcement is empowered to succeed
- Apply cutting edge technologies like Smart Protection Network
 ... Trend Micro Inc. is empowered to succeed in preventing malware from disturbing digital exchange of data

http://www.trendmicro.com

http://ltw.trendmicro.com





We develop the next generation technology for preventing cybercrime. You'll set up the cyber-rules. **Together we'll succeed!!!**