

Cybersecurity

cy·ber·se·cu·ri·ty

noun \cibr-si- ,kyūr-ə-tē\

measures taken to protect a computer or computer system
(as on the Internet) against unauthorized access or attack

Discussion

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Orcas Island Chamber: 6 August 2013

Cybersecurity overview

- Cyberspace in Our Daily Lives
- Securing the Cyber Ecosystem
- Responding Quickly to Cyber Vulnerabilities
- Identifying Cyber Vulnerabilities

Cybersecurity in Our Daily Lives

- Our daily life, economic vitality, and national security depend on a stable, safe, and resilient cyberspace. We rely on this vast array of networks to communicate and travel, power our homes, run our economy, and provide government services.
- Yet cyber intrusions and attacks have increased dramatically over the last decade, exposing sensitive personal and business information, disrupting critical operations, and imposing high costs on the economy.

Securing the Cyber Ecosystem

- Combating cyber threats is a shared responsibility. The public, private, and non-profit sectors, and every level of government all have an important role to play.

Responding Quickly to Cyber Vulnerabilities and Attacks

- It is clear that response to cyber attacks/crime ought to be swift since the speed of the attack and the total amount of damage caused could cripple an organization/business thus our livelihoods.

Some Statistics (Source:USA Today)

<u>Year</u>	<u>Virus/Worm</u>	<u>Estimated Damage</u>
1999	Melissa virus	\$80 million
2000	Love Bug virus	\$10 billion
2001	Code Red I and II worms	\$2.6 billion
2001	Nimda virus	\$590 million to \$2 billion
2002	Klez worm	\$9 billion
2003	Slammer worm	\$1 billion

Additionally (Source: Alinean)

Business Application Estimated Outage Cost per Minute

Supply chain management \$11,000

E-commerce \$10,000

Customer service \$3,700

ATM/POS/EFT \$3,500

Financial management \$1,500

Human capital management \$1,000

Messaging \$1,000

Infrastructure \$700

Identifying Cyber Vulnerabilities

- You Are A Target
- Social Engineering
- Email & Instant Messaging
- Browsing
- Social Networking
- Mobile Device Security
- Passwords
- Data Security
- Wifi Security
- Hacked

Six Ways to Protect Yourself From Online Hackers

1. Don't use the same passwords
2. Don't use the same security questions same passwords
3. Beware your history
4. Share less
5. Watch for red-flag questions
6. Read the fine print

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**"Code Wars: America's Cyber
Threat"**

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Questions and Answers