



Safe Computing Tips

The Rotary Club of Englewood

Victor Freyer

Lemon Bay Computer Service LLC

Computer Service for Your Home and Office

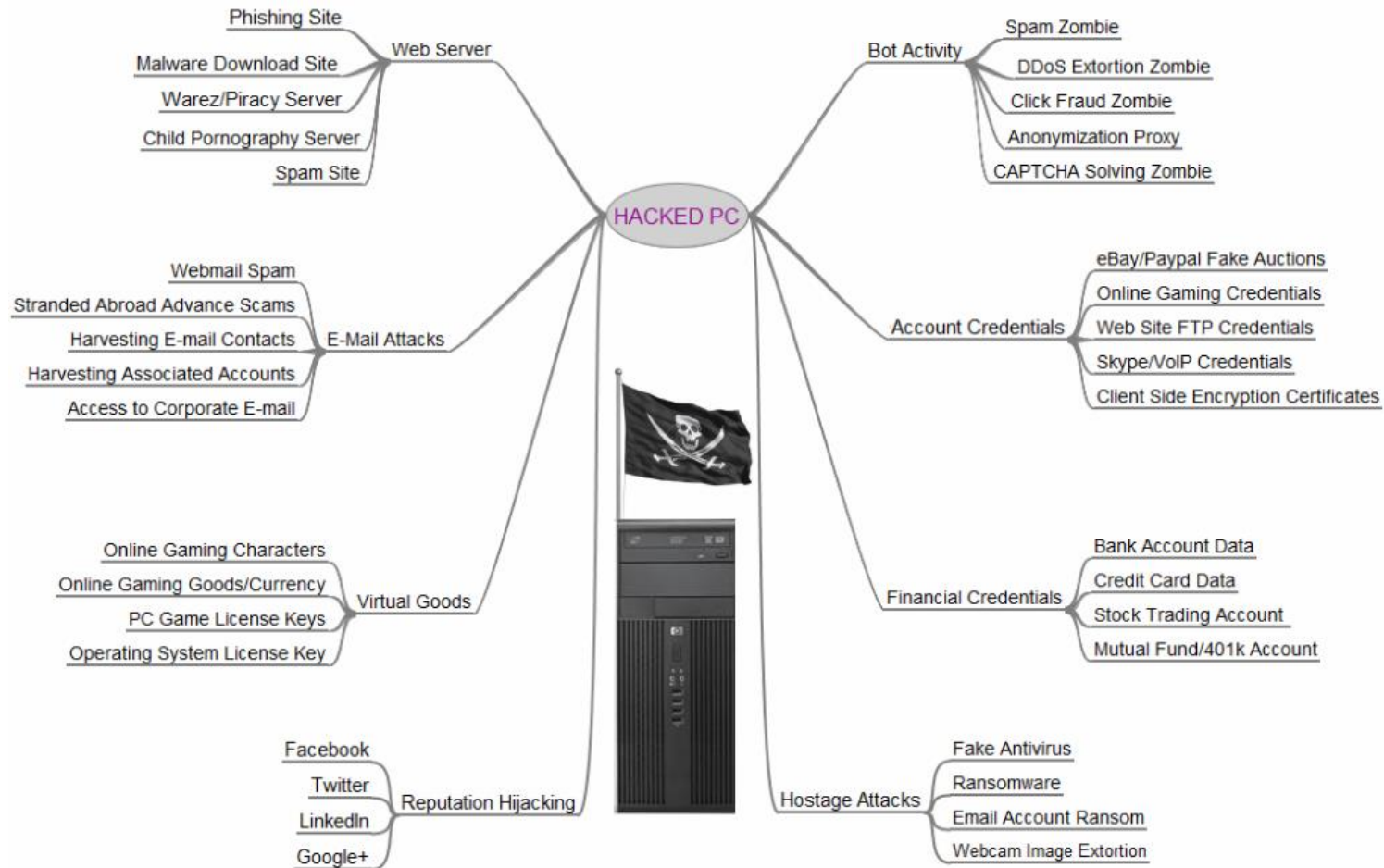
December 20, 2016

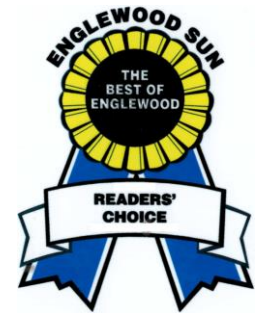


Experience

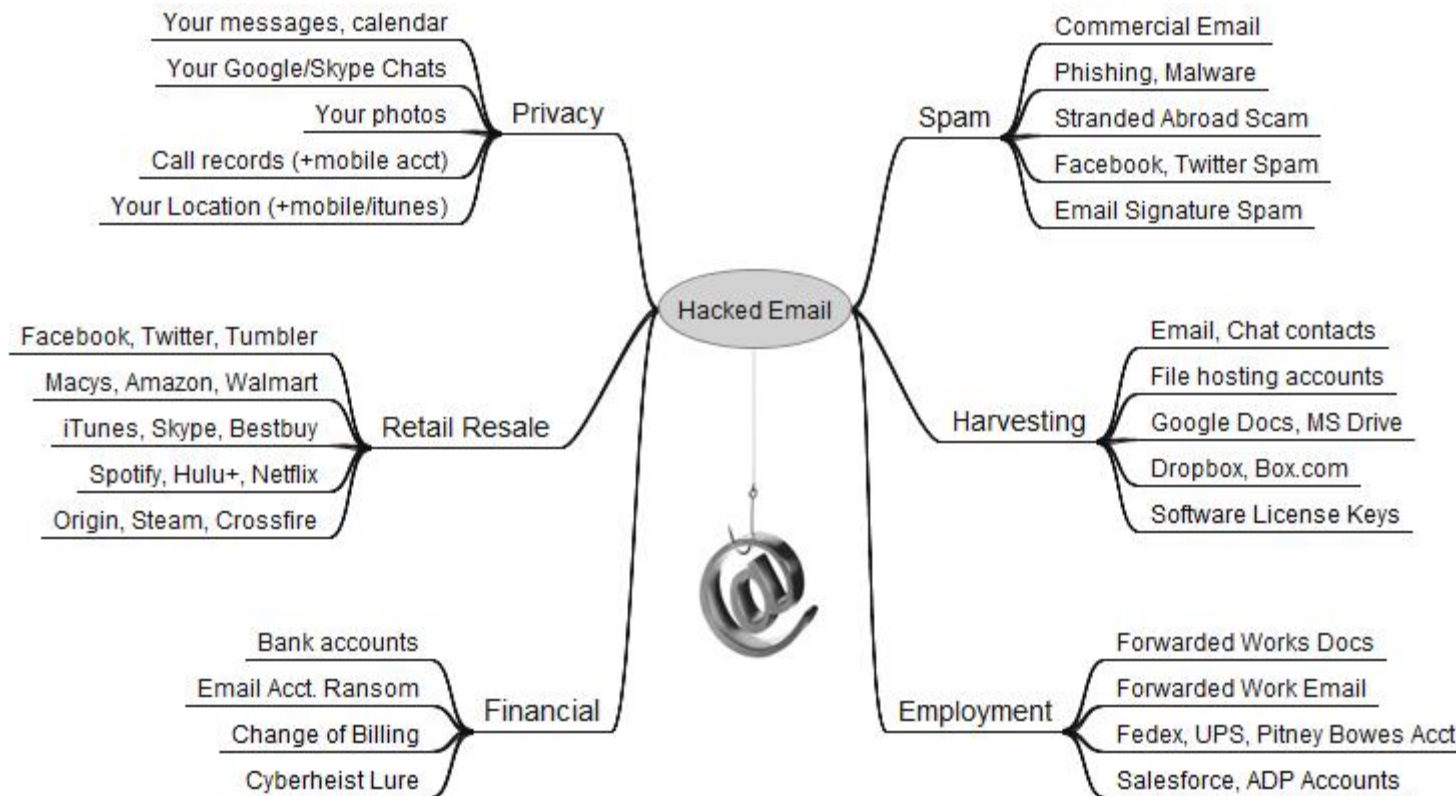
- Internal network architect at Southwestern Bell
- Consulting Systems Engineer at Cisco Systems
- Vice President responsible for managing mainframe network design
 - Bank of America
 - Bank One
 - JP Morgan Chase
- Owner, IT technology specialist, janitor at Lemon Bay Computer Service LLC since 2007

Why would someone hack my PC?





Why would someone hack my email?



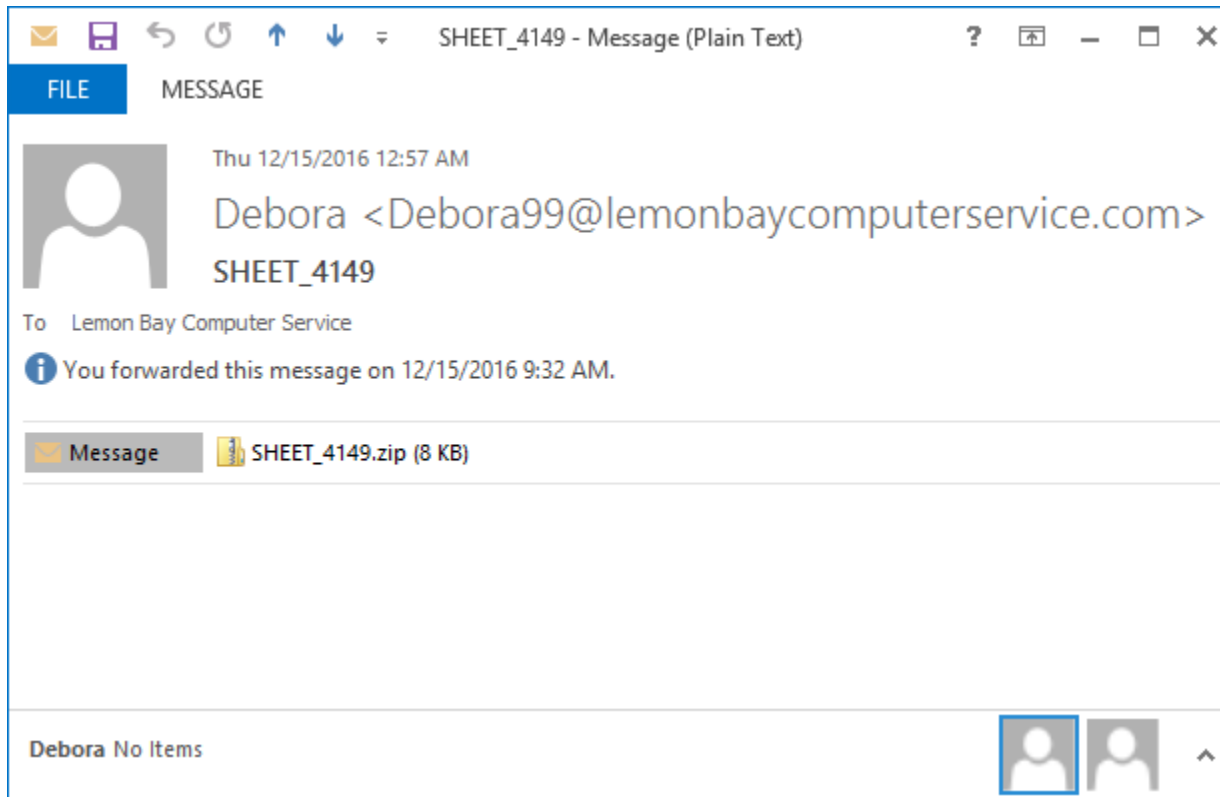


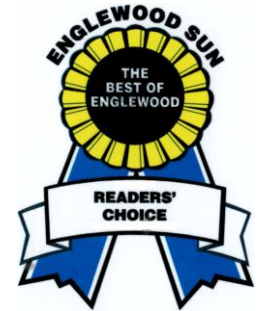
Types of Threat

- Brute force
 - Port scan
 - Password attacks
 - Denial of service
- Man in the Middle
 - Public WiFi
 - Unencrypted email
 - Certificate errors
- Trojan horse
 - Phishing email
 - Drive-by downloads / malvertising
 - Rogue software
 - Ransomware
 - Microsoft calling...

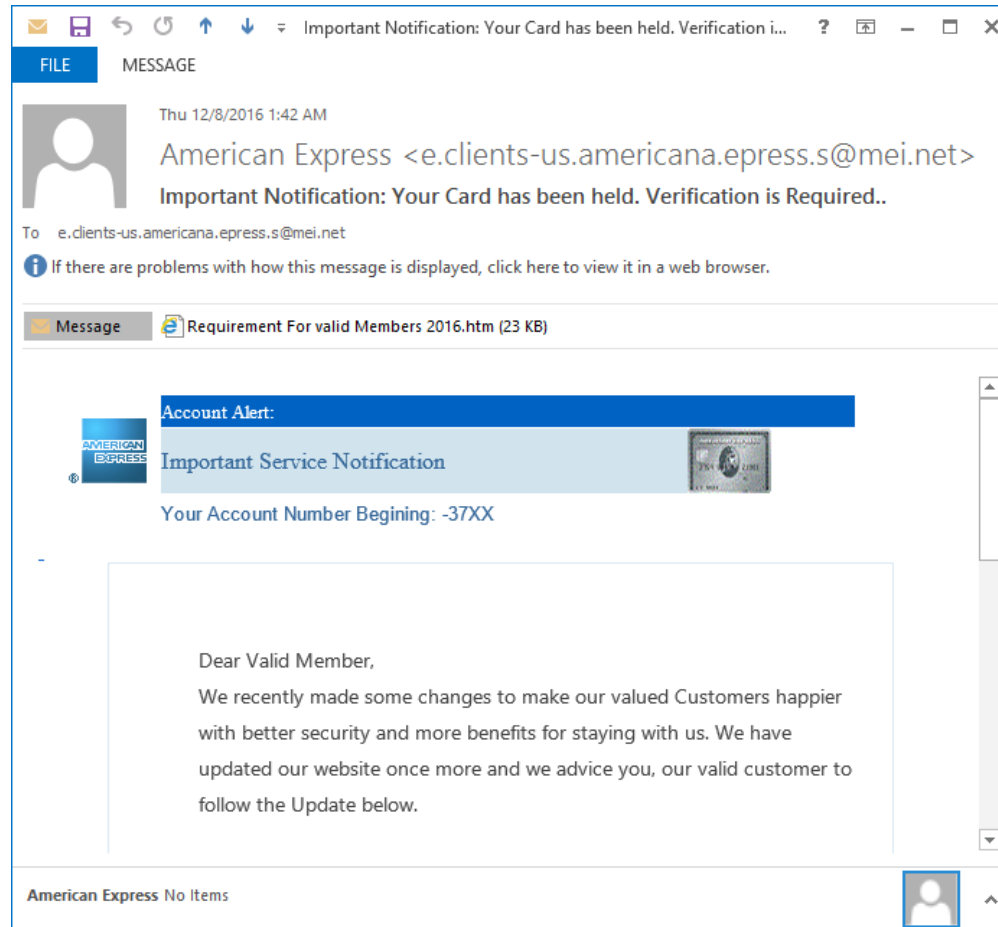


Phishing – Forged Return Address





Phishing – Fake Financial Email





Fake Software Alert Popups




Browsers Updates Recommended

Your software may be out of date

Open Software Updater scans your computer for out of date software and automatically provides instant updates.

- Avoid Security Vulnerabilities
- Automatically update
- Reduce system instability and ensure optimal browsing experience

Supported Browser:



Internet Explorer
Manufacturer: Microsoft Corp.
Version: 11
Last checked: 11/28/2015

SOFTWARE AND WEBSITE LICENSE AGREEMENT

Open Software Updater is provided as a free service. Open Software Updater provides real time updates for many software programs from our secure content delivery network. Open Software Updater has the ability to provide you with updates to many software programs including but not limited to Mozilla FireFox but is not endorsed by or associated with Mozilla in any way. Open Software Updater has the ability to provide you with updates to many software programs including but not limited to Google Chrome but is not endorsed by or associated with Google in any way. Open Software Updater has the ability to provide you with updates to many software programs including but not limited to Microsoft



What Can We Do?

- Password attacks
 - Easy to remember, hard to guess
 - Minimum 12 characters
- Public WiFi
 - Virtual Private Network: LogMeIn Hamachi, Windows VPN
- Trojan horse
 - When in doubt, don't click on it!
- Ransomware
 - Restore from a backup
 - Pay the ransom and take a chance



Backups

- Recovery Point Objective
 - How much information can you afford to lose?
 - Determines how often you backup
- Recovery Time Objective
 - How fast do you want to get running again?
 - Determines where and how specific your backup is
- Failure modes
 - Deleted file
 - Database corruption
 - Software update
 - Hard drive failure
 - Recover to a different computer
 - Recover to a different building
 - Geographical catastrophe
- Backups are not archives



Online Resources

- Florida security of confidential personal information statute
 - http://www.leg.state.fl.us/statutes/index.cfm?App_mode=Display_Statute&Search_String&URL=0500-0599/0501/Sections/0501.171.html
- Passwords
 - Password safe - <https://pwsafe.org/>
 - “Through 20 years of effort we’ve successfully trained everyone to use passwords that are hard for humans to remember but easy for computers to guess.” <https://xkcd.com/936/>
 - Good passwords - <http://correcthorsebattery Staple.net/>
- Yahoo 1,000,000,000 accounts compromised
 - <https://krebsonsecurity.com/2016/12/my-yahoo-account-was-hacked-now-what/>
- August 2016 Visa Security Alert – Oracle MICROS
 - <https://usa.visa.com/content/dam/VCOM/global/partner-with-us/documents/visa-pfd-micros-alert.pdf>



Thank You!

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Elm at Dearborn in Olde Englewood