

Ekaru

Connecting People With Technology



Data Security Training **Improving your Odds**

November 6, 2014

Microsoft®
Small Business
Specialist

Microsoft
CERTIFIED
Partner



Welcome!

- **Thank you** for joining us today.
- Our training sessions are now quicker – just **20 minutes**
- If you want to follow from your office, go to www.ekaru.com / Go to “What’s New” on the right side of the page. The Presentation will open in a browser, click the down arrow in nav bar to advance slides.

Format

- For call clarity, this is a “listen only” call.
 - (Reason, cut down on ambient noise, avoid “call on hold music” – a bit tough though, because I can’t hear you!)
- If you have questions, please eMail to info@ekaru.com and we will try to include Q&A or we’ll follow up after.
- Call 978-692-4200 for help.

Workshop Mission

- Help you get more from the technology you already have.
- Introduce you to new technologies you need to know about.
- **GROW** your business and **PROTECT** your business

Data Security

- MA Data Security Law, HIPAA, other industry regulations *require* ongoing employee training.
- Re-vamped on-line training to help keep training requirements up to date

Security Risk Assessment

- Required by many industry standards
- ALWAYS a good idea
- Plan at least annually

Security in the news...

TECH 30

Internet Explorer bug lets hacker control your PC

CNNMoney



Target Data Breach: It gets worse

Microsoft Patch Tuesday brings critical Explorer, Outlook fixes

Update Flash, Shockwave ASAP! Adobe also patches Acrobat and Reader



CryptoLocker's crimewave: A trail of millions in laundered Bitcoin

In Wake of Home Depot Breach, Report Says 43% of Companies Are Victims

Everything you need to know about Yahoo's security breach

'Master key' to Android phones uncovered

A "master key" that could give cyber-thieves unfettered access to almost any Android phone has been discovered by security



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Bad Viruses

- “Ransomware”
 - CryptoLocker
 - CryptoWall
 - ...



No such thing as 100% safe

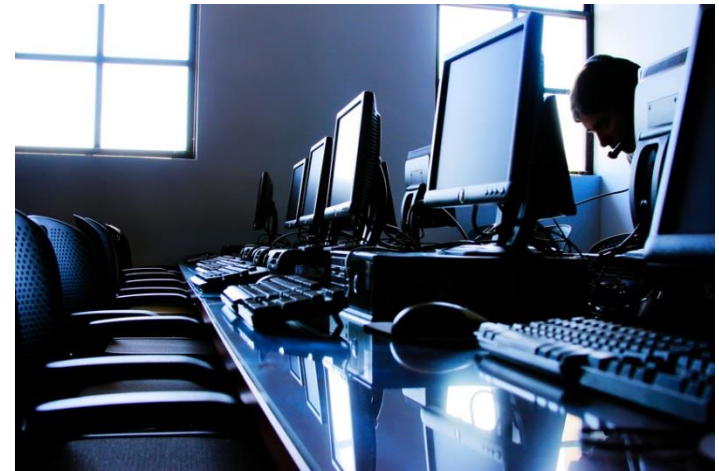
- But you *can* improve your odds that you'll stay safe...

End Users

- Often lack of knowledge is the weakest link... **"Endpoints"**
 - Bromium Report: 75% say end users are the biggest security problem
 - Verizon Data Breach Intelligence Report: 71% of breaches were the result of an attack on end user devices.

Physical Security

1. **Encryption**
2. **Screen Lock**
3. **Password**



Security Updates

- *Security Patches – Critical Updates*
- *Antivirus Protection – Automatic Updates*
- *Monitoring of updates*

Managed Service

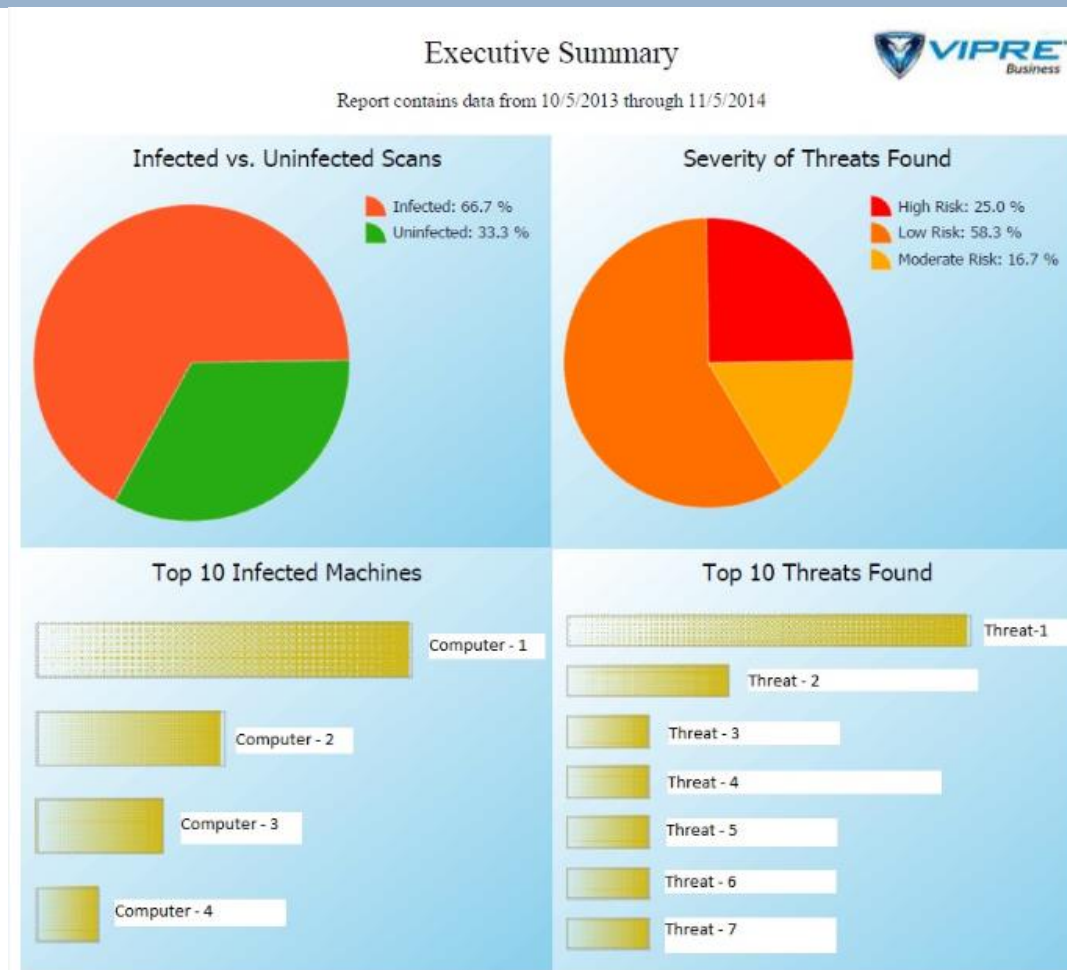
Server:

Device Name	Friendly Name	Operating System	Managed Alerts							Other Partner Defined / Managed Alerts	Antivirus	Security Updates	Critical Updates
			Availability	Low Disk Space	Application Monitoring Status		Other Alerts						
					NOC Defined	Partner Defined	Critical User Impact	Critical Non-Impact	Others				
SERVER	SERVER	Windows Server 2008 R2 Standard 6.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	●	✓

Desktops:

Desktop	Friendly Name	Logged On User	Operating System	Available	Antivirus	Malwarebytes Definition Status	Free Disk Space	S.M.A.R.T	Security Updates	Critical Updates	Third Party Patch
COMP1	Jane		Windows 7 Professional 6.1	●	✓	✓	✓	✓	●	●	✓
COMP2	Sally	Sally	Windows 7 Professional 6.1	✓	✓	✓	✓	✓	✓	✓	✓
COMP3	Bob	Bob	Windows 7 Professional 6.1	✓	✓	✓	✓	✓	✓	✓	✓
COMP4	Joe	Joe	Windows 7 Professional 6.1	✓	✓	✓	✓	✓	✓	✓	✓
COMP5	Tom	Tom	Windows 7 Professional 6.1	✓	✓	✓	✓	✓	✓	✓	✓
COMP6	Karen	Karen	Windows 7 Professional 6.1	✓	✓	✓	✓	✓	✓	✓	●

Antivirus at Work:



eMail

- Filter your mail BEFORE it gets to your network
- *Last month we stopped 788,964 spam messages.*
- *Spam accounts for about 80% of all email*
- *Many messages contain phishing attempts and/or viruses*

Example

ACH Notification - Message (Plain Text)

From: ADP Payroll <Dale_Vargas@adp.com> Sent: Thu 6/19/2014 10:16

To: [REDACTED] Ann Westerheim; [REDACTED] Ann Westerheim; [REDACTED] sterheim@ekaru.com

Cc: [REDACTED]

Subject: ACH Notification

Multiple emails are listed, some repeated, some spelled incorrectly
 Not the standard "subject" line for a notification

Attached is a summary of Origination activity for 05/19/2014 Dates don't match

Download it from Dropbox Inc.: Secure payroll files would never be on Dropbox .zip files are used to "hide" executable files.

[https://www.cubby.com/pl/Invoice-65091... .zip/...](https://www.cubby.com/pl/Invoice-65091...)

Even though the text references dropbox, the file location is on cubby.com (which is a Dropbox competitor)

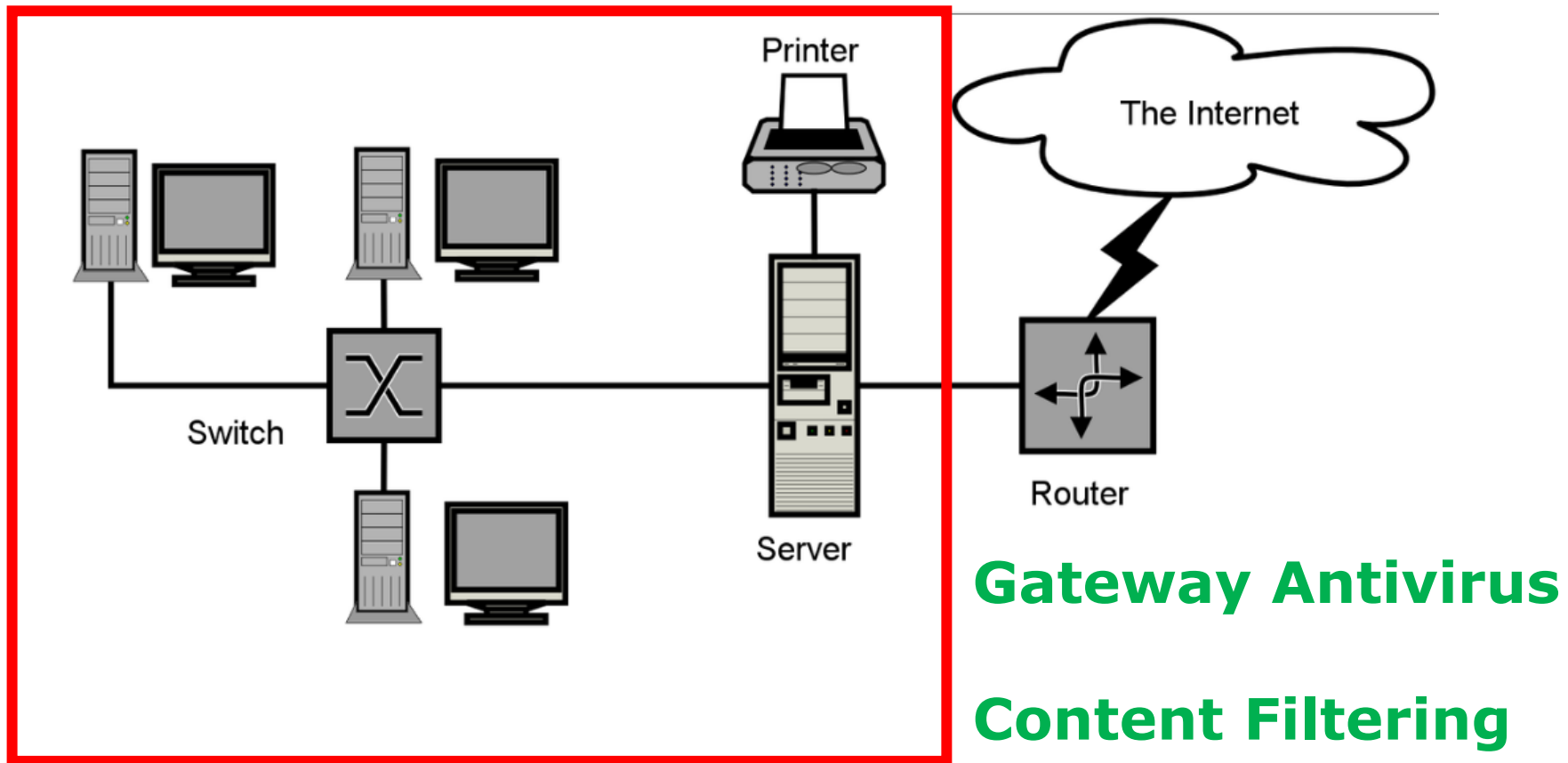
If you need assistance please contact us via e-mail during regular business hours.

Thank you for your cooperation.

No signature, no phone number, no corporate information.

SLOW DOWN before clicking!

Perimeter Security



Source: Wikipedia

Backup – Your Lifeline

- Your best defense: BACKUP!
- Review
- Test recovery

Things to think about

- Think “Layers”
- MA Data Security law requires a WRITTEN INFORMATION SECURITY PLAN (WISP)
- *Do you have a policy?*
 - BYOD – Bring Your Own Device
 - BYOA – Bring Your Own APP
 - Can you measure your compliance?
 - Will your backup save you?

THANK YOU!

- For more info:
 - www.ekaru.com/blog
 - www.twitter.com/ekaruIT
 - www.facebook.com/ekaru
 - <https://www.youtube.com/user/EkaruIT>
- Please send us your questions!
- Call any time: 978-692-4200