


PC

CLOUD

SECURITY



2/10/2020 1

PC, CLOUD AND SECURITY

Emergency Procedures


Fire Alarm

Tornado

Emergency Calls

Church office

Do not call 911 on cell



2/10/2020 2

PC, CLOUD AND SECURITY

Introductions



Colleen Smith
Al, Andy & Bill



2/10/2020

3

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WEBSITE

ALBRIGHTCS.COM

Bottom of center column
Emerge Be safe

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4

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FROM

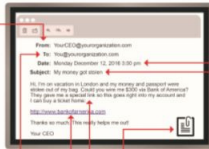
- I don't recognize the sender's email address as someone I **regularly communicate with**.
- This email is from **someone outside my organization** and it's **not related to my job responsibilities**.
- This email was sent from **someone inside the organization** or from a customer, vendor, or partner and it's **very unusual or out of character**.
- The sender's email address from a **suspicious domain** (the Microsoft support center).
- I **don't know the sender personally** and they **were not involved** for my current project.
- I **don't have a business relationship** (or any past communications) with the sender.
- This is an **unexpected or unusual email** with an **embedded hyperlink** or an **attachment** from someone I **never communicated with** recently.

TO

- I need to click an email sent to one or more people, but I **don't personally know** the other people it was sent to.
- I received an email that was also sent to an **unusual mix of people**. For instance, it might be sent to a random group of people at the organization whose last names start with the same letter, or a whole list of unrelated addresses.

HYPERLINKS

- I hover my mouse over a hyperlink that's displayed in the email message, but the **link-to address is for a different website**. (This is a big "red flag.")
- I received an email that only has **long hyperlinks with no further information** and the rest of the email is completely blank.
- I received an email with a **hyperlink that is a misspelling** of a known web site. For instance, www.banternames.com -- the "n" is really two characters -- "n" and "n."



DATE

- Did I receive an email that I normally would get during regular business hours, but it was **sent at an unusual time** like 3 a.m.?

SUBJECT

- Did I get an email with a subject line that is **irrelevant** or **does not match** the message content?
- Is the email message a reply to something I **never sent or requested**?

ATTACHMENTS

- The sender included an email attachment that I **was not expecting** or that **makes no sense** in relation to the email message. (This sender doesn't normally send me this type of attachment.)
- I see an attachment with a possibly **dangerous file type**. The only file type that is **always safe to click on is a .pdf file**.

CONTENT

- Is the sender asking me to click on a link or open an attachment to **avoid a negative consequence** or to **gain something of value**?
- Is the email **out of the ordinary** or does it have **bad grammar** or **spelling errors**?
- Is the sender asking me to click a link or open up an attachment that **seems odd or illegal**?
- Do I have an **uncomfortable gut feeling** about the sender's request to open an attachment or click a link?
- Is the email asking me to look at a **compromising or embarrassing picture** of myself or someone I know?

PC, CLOUD AND SECURITY



- PC
- Parts and Software
- Cloud
- Pipes and reservoirs
- Security
- Storage and protection



PC

PC parts

RAM

Top of desk

Quick access

Constantly changing

Turn off PC it is gone

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7



PC

PC parts

Hard Drive

Desk drawer

Larger size

Permanent files

Turn off PC it is still there

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8



PC

PC parts

Monitor

Keyboard

CD/DVD drive

Motherboard

2/10/2020

9



PC

Programs & Folders

Windows

Runs the PC

Applications

Word, Excel, Edge

Files

Documents & spreadsheets

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10



CLOUD

Pipes

Service provider

CBT, Spectrum

Domain Name Server (DNS)

Search Engines

2/10/2020

11



CLOUD

Storage and Data Banks

Information

Wikipedia

IRS Documents

Vendors

Product catalog

Repair instructions

2/10/2020

12



CLOUD

Storage and Data Banks

Storage

- Carbonite
- Apple Cloud
- MS OneDrive
- Google
- Private companies

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13



SECURITY

Important Information

- Files
 - Pictures
- ### Viruses
- Information Collectors
 - Redirectors
 - Ransomware

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14



SECURITY

Important Information

Keep files in folders

Pictures

Documents

Financial files

2/10/2020

15



SECURITY

Backup Information

Carbonite

Cloud Storage

External Drive

Proprietary Software

Drag-and-Drop

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16



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Backup – Cont.

- Local external storage
- Networked file server
- USB attached Vendor drive
- USB attached hard drive
- USB flash (thumb) drive

2/10/2020

17



SECURITY

Viruses

- Information Collectors
- Redirectors
- Ransomware

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18

SECURITY

Virus Attack
What happens



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19

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Virus attack
RAM - Memory Resident
Sits and waits
Looks for account info
Looks for passwords
Sends back to thief
Pull plug it is gone



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20

SECURITY



Virus attack

Hard Drive

Change start-up procedure

Hides folders and files

Changes access rights

Encrypts files

Pull the plug still there

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21

SECURITY

Virus attack

Programs

Changes features

Sometimes stops load

Redirects to wrong site

Locks PC



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22

SECURITY

Scam Emails

Phone Calls

Connect to PC



Change Password

Encrypt Files

Locks PC

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23

SECURITY



Virus attack

How to protect

2/10/2020

24

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How to protect

- Anti-Virus**
- Anti-Malware**
- Alerts**
- Record license keys**

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25

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How to protect

- Look before click**
- Backup files**
- Cloud & Encryption**
- OpenDNS**

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26

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How to protect

Anti-Virus

Defender many others

Anti-Malware

MalwareBytes

Alerts

WinPatrol



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27

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How to protect

Record license keys

MS Office

Photo editing

Windows 10 – not needed

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28

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How to protect

Get tough look before click

What is it asking?

Did I ask for this?



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29

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How to protect



Backup files

Make a copy on Flash Drive

Keep three or 4 copies

Make copy at end of month

Keep 3 months copies

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30

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How to protect

Encryption

BitLocker

VeraCrypt

FileVault 2

DiskCryptor

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31

SECURITY



How to protect

Make copies

Copy to cloud

Copy to external drive

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32

SECURITY



How to protect

OpenDNS

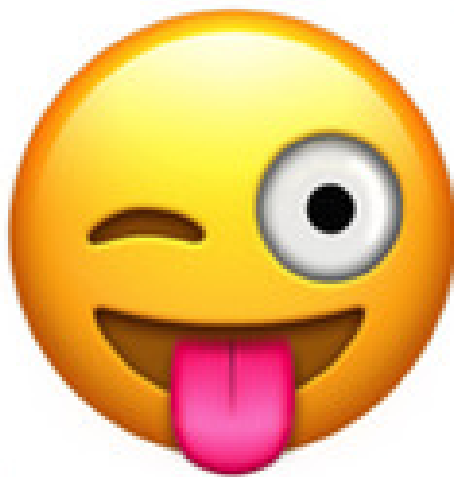
Website screen

Redirectors

2/10/2020

33

Questions & Comments



2/10/2020

34

**Be
Safe
Thank You!**



2/10/2020

35