Cybersecurity, New Life Skills and Preparedness for the Future

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Sourcewell
Formerly TIES

Introductions

Ryan Cloutier CISSP® – Principal Security Architect for SWT

-Over 15 years of experience in Cybersecurity

-Chairperson of COSN Cybersecurity program

-Cybersecurity advisor to Student Data Privacy Consortium

-Cybersecurity advisor to Global Education Privacy Standard

-Certified Information Security Systems Professional®

Twitter @CLOUTIERSEC

"Security is always too much until the day it is not enough"

William H. Webster, former director of the FBI

Why is Cybersecurity now a life skill we need?

It's a brave new world

Technology is changing everything

New skills are needed for safety

Cyber and physical systems are one.

Safety of the Nation and Economy

Unprecedented times

Need for everyone to play a role

Securing the future for our kids

Old problems new skills

NATIONAL SECURITY AGENCY
CYBERSECURITY ADVISORY

PATCH REMOTE DESKTOP SERVICES ON LEGACY VERSIONS OF WINDOWS®

DISCUSSION

The National Security Agency is urging Microsoft Windows administrators and users to ensure they are using a patched and updated system in the face of growing threats. Recent warnings by Microsoft[1] stressed the importance of installing patches to address a vulnerability in older versions of Windows. Microsoft has warned that this flaw is potentially "wormable," meaning it could spread without user interaction across the internet. We have seen devastating computer worms inflict damage on unpatched systems with wide-ranging impact, and are seeking to motivate increased protections against this flaw.

CVE-2019-0708, dubbed "BlueKeep," is a vulnerability in Remote Desktop Services (RDS) on legacy versions of the Windows®[2] operating system. The following versions of Windows® are affected:

- Windows® XP
- Windows Server® 2003
- Windows® Vista
- Windows Server® 2008
- Windows® 7
- Windows Server® 2008 R2

Facts

Children are 51% more likely to be a victim then adults

-Carnegie Mellon

One and five victims over age of 60

30% of U.S Consumers already affected

$600 billion cost to global economy in 2018

-McAfee Economic Impact of Cybercrime

How criminals view your data

What is at risk?

Safety

Our future

Children's identities

Our employment

Criminal prosecution

Personally Identifiable Information

Used to distinguish
an individual

Indirect PII
Combined with other information,
may identify specific individual

Direct PII
Relates specifically to an individual
(SSN, birthdate, name)

Why should you take action now?

10 Years

Safety

We all have a digital life

Civic duty

52. ██████@dooyeweerd.com:mees4321
53. ██████@gmail.com:snowball1
54. ██████@hotmail.com:diablo2
55. ██████@gmail.com:5mangosmoo
56. ██████@gmail.com:jjang7dong
57. ██████@gmail.com:essiid01
58. ██████@hotmail.com:tootsie1
59. ██████@gmail.com:1ampu123
60. ██████@gmail.com:black23
61. ██████@gmail.com:eztc45x1
62. ██████@gmail.com:ryda1009
63. ██████@yahoo.com:jug7gles
64. ██████@gmail.com:wiggy6473
65. ██████@hotmail.co.uk:tomroberts1994
66. ██████@gmail.com:Raikonnen1
67. ██████@att.net:march505

Security awareness makes the difference

Look Both Ways

Security is to **safety** as looking both ways is to crossing the street.

Stop, Look for danger, if all clear proceed forward.

When doing Digital Life, look both ways

Red Flags

Urgent requests to take action

Requests for sharing **personal information**

Requests for **money** or offers of favors

Threats or demands

RED FLAG WARNING

publicdomainpictures

Proceed With Caution

Be observant of your surroundings

Ask Why (Healthy Skepticism)

Trust then verify

Is it seems off, it probably is

How do we change the conversation?

Speak in plain English

Make it relevant to the individual

Use relatable examples

Talk about it as a necessary life skill

Continuous improvement

Good Password Hygiene

Having good passwords is like brushing your teeth

Contributes to overall healthiness.

Prevent painful and expensive issues.

Good Device Hygiene

Reduces your risk.

Prevent the spread to others.

Helps keep everyone safe.

Protect yourself from risks

Stay up to date

Stay Alert, Stay Secure

Avoid Oversharing

Ask Why

Trust Then Verify

Use a Password Manager

Patch and Update

Questions

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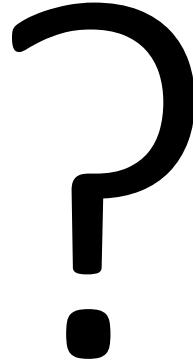
Use the QR Code or link below

http://bit.ly/SWTonlinesecurity

Ryan Cloutier

Principal Security Architect, CISSP®

Ryan.Cloutier@sourcewelltech.org

www.sourcewelltech.org