Week 5 Lab: Hands-on Updates and Device Security

Find your instructions in the file:

W05 Hands-on Device Updates Instructions.docx

Fill out this worksheet as you complete the lab, then save it, and upload it to I-Learn Canvas as instructed. You may earn up to 60 points for this lab.

Task 1: Check and update devices’ operating systems.

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| What is your laptop or desktop computer’s operating system (OS) and version? Also, if you have a mobile device such as a smartphone or tablet, what is its OS and version? (2pts) | Windows 11 OS build 22621.1265 |
| Did you find any available OS updates? If so, what are the software version names or numbers for the updated software? (1pt) | Yes, Windows 11 version 22H2 (kb5022913) |
| What are the procedures for applying OS updates to your computer and other devices? (2pts) | I update it whenever I see one available or I am updated that there is one available. |

(Details)

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| If the OS on your computer or device was out of date, did you successfully update or upgrade? How long did it take? Explain. (2pts) | Yes I did, roughly 15 minuets. It took 14 minuets for the update to download onto my computer and then between 1 minuet to fully restart and apply the changes. |

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Task 2: Check for updates of your web browsers, apps, and other software packages.

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| What web browsers are installed on your computer? (1pt) | Microsoft Edge, Chrome |
| What browser extensions, add-ons, plug-ins, or extra features have been installed in your web browsers? Were these extra browser features installed by someone else, or did you install them yourself? (3pts) | Honey, and Norton safe web are the only ones, and I installed them myself. |
| Check your web browsers, extensions, etc. for updates. Are they up to date, or are there newer versions available? If you find updates available, do they fix any security vulnerabilities? (3pts) | Yes they are up to date, no action was required. |

(Details)

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| Did you successfully update your web browsers? Explain. (2pts) | They did not need to be updated and were secure. |
| Did you successfully update the extensions, add-ons, plug-ins, etc. in your web browsers? Explain. (2pts) | They did not have any updates and are secure. |

(Details)

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| What additional software applications, apps, etc. are installed on your computer? (List at least three.) Did someone else install them on your computer, or did you install them yourself? (3pts) | Disney+, Netflix, Spotify. I installed them myself. |

(Details)

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| Look for updated versions of the extra installed software you listed above. Are there any bug fixes, security patches, or new features provided by available updates? (3pts) | They are all up to date, and secure. |

(Details)

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| What are the procedures for updating the extra installed software you listed above? Did you successfully update your apps or extra software? Explain. (3pts) | Going to the Microsoft store, and checking to see if there are any updates that need to be applied. No there were no updates to be installed. |

(Details)

Task 3: Check your computer’s anti-malware and other security software and features.

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| What antivirus or threat protection software is installed? (If none was installed, what threat protection package did you select and install?) (4pts) | Norton. |
| What are the procedures for keeping your antivirus/threat protection software up-to-date? Did you successfully update it? Explain. (4pt) | It has an auto updater that it runs, and I check in on the scans it produces and information notifications daily. |

(Details)

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| What other security software or features (such as host-based firewall, content filtering software, device health monitoring, etc.) are available on your computer? (4pts) | I have Microsoft’s antivirus precautions, Norton’s antivirus precautions and security and a couple of other neat features for data security from both. |
| Did you find and successfully correct any problems with your computer’s security settings or features? Explain. (2pt) | Yes I had one driver for a hard drive that was out of date and I was able to get it fixed. |

(Details)

Task 4: Examine the security of your devices’ network connections.

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| Does your computer or mobile device have a wired network connection method? If so, what type of technology and network cable does it use?  Does your computer have wireless network connection methods? If so, what type of technology does it use? (2pts) | It does it has an ethernet cable connection built in, it also uses the killer lan driver.  It does have a wireless driver, a couple days ago it actually had a crash which made my laptop temporarily unusable, so I had to use my lan connection to reinstall it so I could continue to work wirelessly.  Wifi 5 |
| If your computer has Ethernet or similar wired technology: how many places are there at your home, work, church, etc. where you are permitted to plug in your computer and use the Internet?  If your computer has WiFi wireless technology: how many places are there at your home, work, church, etc. where you are permitted to connect to a wireless access point? What SSIDs do you connect to, and what are the encryption settings for each of those SSIDs? (4 pts) | There is a personal port at home I can use to plug into.  At my apartment the SSID isn’t the most secure but it is enough for what it is. At home and at school it’s pretty good. |

Task 5: Investigate other threat protection options.

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| Choose and answer any of the following:  What physical security features have you enabled on your computer and devices?  What other update options and threat protection options have you installed and enabled on your mobile devices?  What financial plans have you made in your personal or family budget, to provide money for future repairs, replacement, and updates to your computer and devices?  (5pts) | I have all of Microsofts security protocols in place, as well as the base version of Norton and all of its scans.  Those are the only things that I have installed.  I personally havn’t thought that far ahead yet. I will probably set aside whatever it costs for the yearly subscription with Norton moving forward. |

(Details)

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| Share an inspiration or enlightenment that came to your mind while you worked through this lab exercise. (8pts) | My computer is armed with a lot more security features than I thought initially. I need to start taking advantage of them! |