

Assignment #1
CSCE 201
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Part 1:

Question #1:

Breaches currently displayed:

Breach Types: DISC, HACK, CARD, INSD, PHYS, PORT, STAT, UNKN

Organization Types: EDU

Years: 2014, 2015, 2016

1,130,109 Records in our database from
59 Breaches made public fitting this criteria

Question #2:

Breaches currently displayed:

Breach Types: PORT

Organization Types: GOV

Years: 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016

114,495,106 Records in our database from
169 Breaches made public fitting this criteria

January 31st 2008 - **South Carolina Department of Health and Environmental Control in Spartanburg, Cherokee, Union, Greenville and Pickens counties, South Carolina**

Part 2:

According the usbCopier website, there is no universally efficient way to lock a USB flash drive using some form of computer software. The reason is that a specific command must be sent to the USB controller for the setting to take place. The code between the controller and the computer cannot be rewritten by some form of computer program since by default the command sent to the USB stick is to block the SCSI Write Command. When a USB device is connected to a computer, the write command on it is usually set by the manufacturer to be turned on or off. If the write command is turned off, the computer will read this and not allow information on the USB to be modified or deleted.

Additionally, there are multiple options to set the write protection or remove the write protection for a USB flash drive if you purchase the devices through Nexcopy Inc. This company duplicates flash memory and knows how to set or remove write protection. But altering the USB write protection on a device you already own is seemingly impossible through a software or hardware standpoint.

Finally, this website gives a thorough definition of USB Write-Protection, USB Partitions, and CD-ROM partitions. A Write-Protected USB means the contents on the USB device cannot be modified, deleted, or transferred off the drive. A USB Partition means when connected to a Windows machine, Windows will assign two letters to the drive when connected. If the USB is connected to an Apple Macintosh machine, it will mount as two separate volumes of storable data. In other words, the USB device “impersonates” two separate entities of savable information, even though it is only one USB device. A CD-ROM partitioned USB device acts as a read only device when connected to a computer. The drive letter mounted to the host computer will appear as if it’s a CD-ROM even though it’s a USB flash drive.

Citations

"Learn About USB Write Protection, Partitions & CD-ROMs." *USB Duplication Service Learn About USB Write Protection Partitions CDROMs Comments*. N.p., n.d. Web. 05 Sept. 2016.