SECURITY ESSENTIALS BOOTCAMP STYLE STICTSEBSXBT

SEC401 Laptop Requirements:

Security 401: Security Essentials Bootcamp Style consists of course instructions and hands-on sessions. To reinforce the skills covered in class and gain experience with the tools needed to implement effective security, there are hands-on labs every day. These lab sessions are designed to enable students to use the knowledge gained throughout the course in an instructor-led environment. Students will have the opportunity to install, configure, and utilize the tools and techniques that they have learned. In class you will receive a USB drive with 2 virtual machines, but it is critical that you have a properly configured system prior to class.

*IMPORTANT: You can use any****64-bit version****of Windows, Mac OSX, or Linux as your core operating system that also can install and run VMware virtualization products. You also must have a minimum of****8 GB of RAM****or higher for the VM's to function properly in the class. A VMware product must also be installed prior to coming to class.*Verify that **under BIOS, Virtual Support is ENABLED.**

**Mandatory System Requirements**

* System running Windows 64-bit version
* At least 8 GB RAM
* 50 GB of available disk space (more space is recommended)
* Administrator access to the operating system and all security software installed.
* Anti-virus software will need to be disabled in order to install some of the tools.
* An available USB port.
* Machines should NOT contain any personal or company data.
* Verify that under BIOS, Virtual Support is ENABLED.

**Mandatory Downloads prior to coming to class:**

* Installed 64-bit host operating systems (Windows is recommended)
* Download and install [VMware Workstation 11](http://www.vmware.com/products/workstation/), [VMware Fusion 7](http://www.vmware.com/products/fusion/), or [VMware Player 7](http://www.vmware.com/products/player/) or higher versions on your system prior to class beginning.

It is critical that your CPU and operating system **support 64-bit** so that our 64-bit guest virtual machine will run on your laptop. VMware provides a [free tool](https://my.vmware.com/web/vmware/details/processor_check_5_5_dt/dCpiQGhkYmRAZQ==) for Windows and Linux that will detect whether or not your host supports 64-bit guest virtual machines. For further troubleshooting, [this article](http://www.computerhope.com/issues/ch001121.htm) also provides good instructions for Windows users to determine more about the CPU and OS capabilities. For Macs, please use this [support page](https://support.apple.com/)from Apple to determine 64-bit capability.

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**SEC401 Checklist**

I have confirmed that:

* The system is running a 64-bit operating system
* I have administrator access to the operating system
* Anti-virus is disabled
* The system includes a working USB port
* I downloaded and installed the VMWare Player

If you have additional questions about the laptop specifications, please contact [laptop\_prep@sans.org](mailto:laptop_prep@sans.org).