

Setting up your own digital forensic workstation

We will be configuring a remote VM for you to use throughout the module. However, you may choose to run the tutorial locally (on your own machine). This worksheet aims to help you configure your workstation.

Minimum system requirements

I have tested this tutorial on an 8GB RAM, an i5 (or above) 64bit processor, you will need admin access and at least 200GB hard disk storage free.

Creating the workstation

I would advise that you install the software listed below into a virtual machine. You can download and install virtual box from here: <https://www.virtualbox.org/wiki/Downloads>

Download and install a Windows virtual machine from here: (<https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/>). At the time of writing, I would suggest you install the MS Edge on Win10 (x64) Stable 1809. Select VirtualBox as the platform.

Once you have configured your virtual environment, please install the following essential software:

- Autopsy 4.10.0 available from: <https://github.com/sleuthkit/autopsy/releases/tag/autopsy-4.10.0>
please note there is probably a newer version at the time of writing. I would advise you stick to the version I've recommended as I have fully tested it and can support it.
- Notepad++, available from: <https://notepad-plus-plus.org/downloads/>
- FTK Imager 4.1.1. although 4.1.1 is installed on the virtual machine we will be sharing with you, I recommend you consider using 4.2.0, available from: <http://marketing.accessdata.com/ftkimager4.2.0>
- Exiftool, available from <https://exiftool.org/install.html>
- HxD, available from <https://mh-nexus.de/en/downloads.php?product=HxD20>
- Opanda Powerexif v2.3 available from: <https://www.opanda.com/en/ixif/download.htm>

Please consider installing some of the *recommended* tools below:

- Log2Timeline
- Diskexplorer for FAT
- Diskexplorer for NTFS
- Forevid
- GPXSee
- NAVISConverter

You will be analysing some dashcam devices during the module. Most dashcam players come with their own proprietary video player. Here is a selection:

- Cobra_DriveHD_Player_6_1_1611_30 (3)
- GarminDashCamPlayer_63
- Mivuewmanager
- NEXTBASE-Replay-3-Setup-3.10.0
- SilentWitness Player