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| Lesson: 4 – Session 4: Devices, Networks and Data | **Duration: 210 Minutes** |
| **Resources required:**   * Laptop or PC running an operating system with an office suite (capable of showing pptx) * Projector and display screen * Internet access (if available) * Whiteboard * Whiteboard pens (at least 2 each of blue, black, red and green) * 2 Flipcharts with adequate paper * Student notepaper and pens * Stapler, hole punch and scissors * Blu tack or a similar product to allow for paper to be affixed to the walls temporarily * Printer to print the leaflet * Devices, practical demonstrations of evidential material mentioned in the slides * Files: Session 4: Devices, Networks and Data.pptx | |
| **Aim:** This session shall give practical examples of electronic evidence that can be found of different devices. The participants should get an understanding of the potential evidence stored on the devices as well as the evidential value of such evidence. They should also be taught about network services and how to use them. | |
| **Objectives:**  By the end of the lesson the students will be able to:   * Explain where electronic evidence may be found * Discuss the evidential value of hardware items, network devices and other electronically store data * Describe different services and technology used on the Internet | |
| **Introduction**  In other CoE courses the focus of the hardware related sessions is on the identification of devices and on the technical description of services on the Internet. This session focusses on the potential evidence which may be found on the different devices as well as the practical usage of services and technologies.  This session covers the following topics:  • Hardware  • Networks  • Internet  • DNS  • IP addresses  • PKI  • Electronic Records  • Data records  • Documents  • Authorizations  • Signatures  • Logs  • Blockchain  • Cryptocurrency  • Darkweb  • Encryption  All information about this session is included in the PowerPoint presentation entitled “Session 4: Devices, Networks and Data.pptx” in the resource pack. The trainer is responsible for ensuring that the materials are up to date. Changes may be made, however the objectives should be achieved. | |
| **Practical Exercises**  There are practical exercise foreseen in this session. Since these are very short and straightforward exercises, the instructions for them are either included on the respective slides themselves (e.g. slides 22-28) or in the comment section of those slides (e.g. Slide 55). | |