Cybersecurity Skills Initiative (CSI)

Endpoint Security Awareness Course

One-Day Classroom Course

Introduction

Endpoint security involves the securing of endpoints, or end-user devices like desktops, laptops and mobile devices. Endpoints serve as points of access to an enterprise networks and create points of entry that can be exploited by those with malicious intent. Endpoint security is more important than ever with the increase of "bring your own device" policies, remote working employees connecting to Wi-Fi networks, and threats specifically targeting mobile devices.

This interactive course covers all of the key elements to ensure that participants will be able to understand the essential requirements of protecting a typical endpoint.

The course will be based on the main Microsoft Windows Operating Systems, but skills will be transferrable to other Operating Systems such as Apple and Linux.

Delivery:

- This programme is delivered as a one-day training course.
- **All participants will be licenced for one year with a 10-user licence for Bitdefender Cloud Security for MSP, a leading commercial technology for the protection of systems.** Participants will be shown how to deploy and manage this product during the course.
- There will be no formal assessment of learning at the end of the course apart from a participant evaluation.

Learning Outcomes

The course will focus on techniques and developing an understanding of:

- Basic threats and attacks
- Anti-virus
- Encryption
- Patching
- Back Ups
- IT Security Hygiene
- Typical incident response following an incident

Who Should Attend

This course is suitable for those working in IT roles or who have responsibilities for the operation or management of IT systems, and looking to expand their knowledge and tactical skills. Participants should be capable of the basic implementation and management of endpoint security technology.

Course Content

1. **Basic threats and attacks**
   This covers the main sources of threats and attacks: email attachments, system vulnerabilities, instant messaging, worms and network attacks, SPAM, spyware, viruses, removable media & network shares, Phishing, Trojans & Rootkits
2. **Anti-virus**
   This session looks at the deployment and configuration of anti-virus software and the common issues
3. **Encryption**
   Understand why and what to encrypt, basic encryption activation and how to manage common issues
4. **Patching**
   Understand why patching is required, what to patch, how to patch and managing issues.
5. **Back Up**
   Understand why backups are so important, how to back up and how often to back up. This session also looks at recovering data.
6. **IT Security Hygiene**
   Learn about best-practice IT Security Hygiene, staff awareness and training, acceptable usage policy and what not to do.
7. **Incident Response**
   This covers typical incident response following an incident, looking at "what happens if...?" and where to seek help.

The Trainer

The training will be delivered by Renaissance. The trainer will be a highly experienced engineer used to working with end user environments and familiar with the typical issues and challenges of deploying endpoint protection technologies.

The Renaissance team is the most experienced team in the Irish marketplace, having operated for 31 years, and specialises in delivering to the Irish marketplace. They regularly run courses, training and accreditation for the development of professionals in Ireland on commercial Cyber Security technologies.

What does it cost?

The cost for eligible participants after applying the grant from Skillnet Ireland is €280. For participants that are ineligible for grant-aid, the cost is €350.

Further Information

For further information and to enquire about payment options please email **csi@ictskillnet.ie.**

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An Roinn Oideachais agus Scileanna
Department of Education and Skills

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