

The Essential Role of Cybersecurity Training in Today's Digital Landscape

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Digital Learning Hub

The Crucial Role of Human Vigilance in Cybersecurity

Two figures

88

% of data breach incidents are caused by employee mistakes

A joint study by Stanford University Professor Jeff Hancock and a security firm

95

% cybersecurity issues can be traced to human error

World Economic Forum – The Global Risks Report 2022

The role of human error in security breaches

How does it occur? How can it be prevented?

What is human error in computer security ?

- Unintentional actions
- Lack of actions
- ... which allow a security breach

Types of human error

- Skill-based errors
 - small mistakes & lapses
- Decision-based errors
 - Lack of knowledge and information
 - Lack of awareness

Examples of human error in organisations

- Misdelivery
- Password problems
- Patching
- Physical security errors
- ...

What factors cause human error?

- Opportunity
- Environment
- Lack of Awareness

How to prevent human error in computer security?

- Reduce the opportunities
- Change the culture
- Address the lack of knowledge with training

Humans are involved at every stage and process

- Digital skills training is needed in all areas
 - Technical training for IT professionals
 - Skills and awareness training for everyone

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Who are we?

Ministry of Education, Children and Youth

Digital Skills Training

Contribute to reducing the digital skills gap

Upskilling / reskilling for the workforce

2022 : 5500 vacancies in ICT

Number of courses : 300 (2023)

Number of trainees : 3000 (2023)

What do we do?

Blockchain

Coding

Design Thinking

Data & AI

Cybersecurity

IT Administration & Cloud

IT Governance



DHL training offering

Cybersecurity courses

Awareness	Technical
Introduction à la Cybersécurité	Fundamentals of IT security Incident Management
An introduction to data protection and the GDPR	Fundamentals of peripheral devices security
General Cybersecurity Awareness Education	Fundamentals of Secure Backup Management
Cybersecurity Act and Technical Standardization	Fundamentals of Secure Emails configuration
Microsoft Security, Compliance, and Identity Fundamentals	Cryptography concepts, past and present
Personal Data and Information Security - Legal Stakes and New EU Rules	Introduction à la gestion des risques et MONARC
Principes fondamentaux de la gestion de la sécurité de l'information	
Privacy and Data Protection: Legal aspects	
Privacy by design: integrating data protection into the product development process	
Sensibilisation à la sécurité de l'information	Getting started with IPv6
Données personnelles et sécurité de l'information - Enjeux juridiques et nouvelles règles de l'UE	Domain Name System (DNS) administration
	Secure DNS infrastructure with DNSSEC
	Multi-factor Authentification
	Introduction to trust services, including electronic signatures
	Secure WiFi Configuration
	Smartphones are hard to hack: Myth or reality?
	Network Security and Intro to Threat Hunting with Wireshark
	TCP/IP Deep Dive for Practitioners with Wireshark

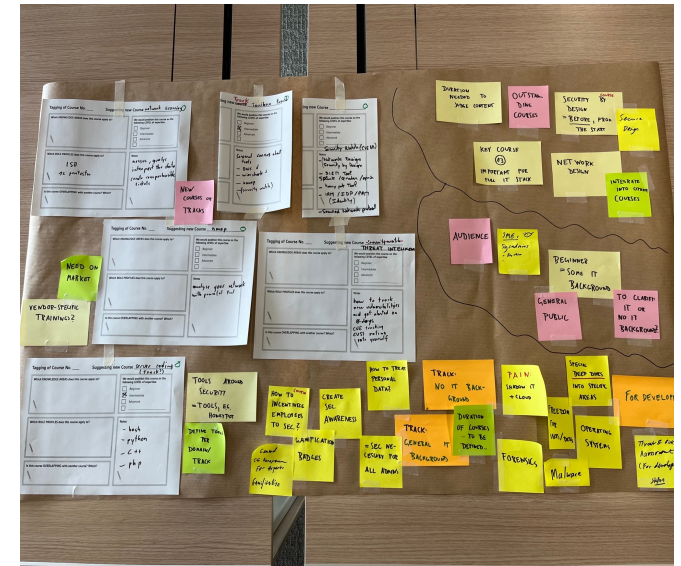
www.dlh.lu

DLH course development

Learning development...

- Current offer is extensive
 - But not exhaustive
 - We need your help
- Contribute to course development
 - Expert panel / working group
 - Information gathering
 - Needs analysis
 - Recommendations

Work with us...



DLH working groups and expert panels

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