securitum

CERTIFICATE

OF PARTICIPATION IN THE TRAINING

A PRACTICAL INTRODUCTION TO NETWORK SECURITY. PART 1: SWITCHES/ETHERNET/VLAN/802.1X/PORT SECURITY

GRANTED TO:

Daria Czerniawko

DATES: 12, 13, 14, 18, and 19.11.2025   **TRAINER:** Piotr Wojciechowski   **DURATION:** 10 hours

AGENDA

1. Session 1. How a switch works, what types of switches can we encounter, how to read device specifications. What is the basis of device management security, what is an OoB network, how to implement, authenticate, and monitor administrative access to switches, and how to monitor the operation of the device itself.

2. Session 2. Port Security. VLAN Management, MAC Table Security, MAC Filtering Mechanisms, DHCP Snooping, ARP Snooping, and more.

3. Session 3. The World of VLANs. Configuring and Securing Both VLANs and Users.

4. Session 4. 802.1x. The RADIUS Protocol. Configuring a Simple 802.1x, The 802.1x Mechanism in a WLAN.

5. Session 5. Spanning Tree. What are Spanning Tree Protocols? How to Securely Automate Switch Management.

CPE/ECE POINTS: 10   SZKOLENIA.SECURITUM.PL