Understanding Cisco Cybersecurity Fundamentals (SECFND)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Lisboa
- **Data:** 04 Fev. 2019 a 08 Fev. 2019
- **Preço:** 2750€
- **Horário:** Laboral - das 09h00 às 17h00
- **Nível:** Iniciado
- **Duração:** 35 horas

The Understanding Cisco Cybersecurity Fundamentals (SECFND) v1.0 course provides you with an understanding of network infrastructure devices, operations and vulnerabilities of the TCP/IP protocol suite, basic information security concepts, common network application operations and attacks, the Windows and Linux operating systems, and the types of data that are used to investigate security incidents.

After completing this course, you will have basic knowledge that is required to perform the job role of an entry-level cybersecurity analyst in a threat-centric security operations center.

This course will help you:

- Learn fundamental principles of cryptography, applications, operating systems, and networking
- Learn foundational knowledge for detecting and responding to cybersecurity incidents, including monitoring, analysis, and understanding common attacks
- Prepare for the Cisco Certified CyberOps Associate certification with hands-on practice using real-life security analysis tools, such as those found in a Linux distribution
- Start your career in the high-demand area of cybersecurity

Destinatários

- IT professionals
- Any learner interested in entering associate-level cybersecurity roles such as:
  - SOC cybersecurity analysts
  - Computer or network defense analysts
  - Computer network defense infrastructure support personnel
  - Future incident responders and SOC personnel
  - Cisco integrators or partners

Pré-requisitos

We recommend that you have knowledge of one or more of the following before attending this course:

- Familiarity with basic networking concepts
- Working knowledge of the Windows operating system
- Familiarity with the Linux operating system

Objectivos

After taking this course, you should be able to:

- Describe network operations and attacks, basic cryptography concepts, and network infrastructure device operations
- Describe basic Windows and Linux OS operations, common network applications and attacks, endpoint attacks, and network and endpoint security solutions
- Describe security data collection and monitoring, and the common threat models that security operations organizations can reference when performing cybersecurity analysis

Programa

TCP/IP and Cryptography Concepts

- Understanding the TCP/IP Protocol Suite
- Understanding the Network Infrastructure
- Understanding Common TCP/IP Attacks
- Understanding Basic Cryptography Concepts

Network Applications and Endpoint Security

- Describing Information Security Concepts
- Understanding Network Applications
- Understanding Common Network Application Attacks
- Understanding Windows Operating System Basics
- Understanding Linux Operating System Basics
- Understanding Common Endpoint Attacks
- Understanding Network Security Technologies
- Understanding Endpoint Security Technologies

Security Monitoring and Analysis

- Describing Security Data Collection
- Describing Security Event Analysis

Labs

- Lab 1: Explore the TCP/IP Protocol Suite
- Lab 2: Explore the Network Infrastructure
- Lab 3: Explore TCP/IP Attacks
- Lab 4: Explore Cryptographic Technologies
- Lab 5: Explore Network Applications
- Lab 6: Explore Network Application Attacks
- Lab 7: Explore the Windows Operating System
- Lab 8: Explore the Linux Operating System
- Lab 9: Explore Endpoint Attacks
- Lab 10: Explore Network Security Technologies
- Lab 11: Explore Endpoint Security
- Lab 12: Explore Security Data for Analysis