

To provide an appropriate level of protection
in the transmission of your digital data

Target audience

Everyone performing any function related to the development of information system and network monitoring (information systems administrator, research and development manager, project leader, developer, architect...)

Goal

The goal of this training is to understand the functioning of network communications in order to improve the cybersecurity of connected objects and other embedded systems.

Location

Within your company.

Duration

It is a 2-day training.

**Training programme****Day 1**

- OSI model, Wireshark tool
- Attack categories : spoofing, replay attack, man in the middle, denial-of-service attack
- IP, ICMP, TCP, UDP headers : safety of layers 3 and 4, QuantumInsert attack
- Cryptographic concepts : confidentiality and integrity
- Implementation in SSL/TLS (Logjam attacks, heartbleed)
- Standard protocols and security : DNS, SSH, NTP...

Day 2

- Network monitoring and intrusion detection
- Presentation of 2 standards and free IDSs : Bro et Suricata
- TP network traffic analysis
- Web safety : TOP10 OWASP
- SQL injections and others
- Session management
- XSS, CSRF
- Scan vulnerabilities and implementation of a WAF

In addition to this training, we recommend to you to carry out an audit to optimize your protections.

Contact us for more information**Rempart-International**

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