Université Polytechnique HAUTS-DE-FRANCE

Network security

ECTS
4 crédits

Composante
INSA Hauts-de-France, UPHF

Présentation

Description

Goal : Leveraging on the symmetric and asymmetric cryptographic algorithms this module will provide the main protocols and techniques implemented on existing and future networks. Last but not least, one course has been allocated for addressing network security management.

List of subjects to be presented to the students :

General concepts: Channel, Firewall, VPN, Proxy, etc.
Cross-layer security: EAP, RADIUS, etc.
Network level security: IPSec, etc.
Transport level security: SSL/TLS, QUIC
Application/Service level security: HTTPS,
Wireless security: WEP, WPA
Private networks (VLAN, VPN)

Informations non contractuelles.
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