

Certified Stormshield Network Administrator (CSNA)

Course Outlines:

- Introduction to Stormshield and its products
- Getting started with the firewall
 - Registering with the customer area and access to technical resources
 - Initialising the box and introduction to the administration interface
 - System configuration and administration rights
 - Installing the licence and updating the system version
 - Backing up and restoring a configuration
- Logging and monitoring
 - Introduction to logging categories
 - History graphs and monitoring
- Objects
 - Concept of an object and types of usable objects
 - Network objects and router
- Network configuration
 - Methods of configuring a box on a network
 - Interface types (Ethernet, modem, bridge, VLAN, GRE/TAP)
 - Routing types and priorities
- Network address translation (NAT)
 - Translation of outbound data streams (masquerading)
 - Translation of inbound data streams (redirection)
 - Bidirectional translation (one-to-one translation)

- Filtering
 - General information on filtering and concept of connection tracking (stateful)
 - Detailed introduction to the parameters of a filter rule
 - Ordering of filtering and translation rules

- Application protection
 - Implementing http and https URL filtering
 - Configuring antivirus scanning and Breach Fighter detonation scanning
 - Intrusion prevention module and security inspection profiles

- Users and authentication
 - Directory configuration
 - Introduction to the various authentication methods (LDAP, Kerberos, Radius, SSL Certificate, SPNEGO, SSO)
 - User enrolment
 - Implementing explicit authentication via captive portal

- Virtual private networks
 - IPSec VPN concepts and general information (IKEv1 and IKEv2)
 - Site-to-site with pre-shared key
 - Virtual Tunnelling Interface

- SSL VPN
 - Operating principle
 - Configuration