XJSec Training

Training by Xperts – either at the Xantaro training centre or at your own office, as training on the job within a project or "customized" to meet your needs: we will find the solution for you.

Course description:

XJSec training deals with the operation, the configuration and the rectification of issues with the SRX series Juniper Firewalls. Basic knowledge is provided during the configuration of JUNOS Enhanced ServicesTM dealing with Juniper SRX Firewall functionality and the implementation of security mechanisms.

The 5-day course contains lab exercises which increase your depth of knowledge using practical exercises. A separate firewall is available to each participant for training purposes. A large number of configuration steps, starting with basic configuration up to complicated network topologies with extensive security functions are illustrated during the XT³Lab training programme.

As a prerequisite for the participation on the XJSec training programme, the participant should be familiar with the TCP/IP protocol family and have a fundamental knowledge in the functionality of routing protocols. Initial experience with the configuration of firewalls from other manufacturers is not necessary but would be helpful. It is possible for the individual participant to fit in and adapt to the training course according to their previous knowledge.

Details:

Junos Software CLI
- Access to the JUNOS CLI
- CLI Operational Mode and Configuration Mode
- JUNOS Software Overview
- Software Installation and Upgrade Procedures
- Initial System Configuration

Interface Configuration and Troubleshooting
- Interface Configuration Overview

Routing Protocol Usage
- JUNOS Software Routing Tables and Route Selection Process
- Static Routes
- OSPF

Juniper SRX Hardware Overview
- Branch SRX Serie
- Enterprise SRX Serie
- High-End ISP SRX Serie
- Network Security Manager
- Security Threat and Response Manager

Juniper SRX System Architecture
- Platform Architecture and Components
- Packet Flow and CPU Functionality
- Flow Session Processing
- Software Architecture

Basic Configuration
- Initial Confoguration Steps
- CLI Security Configuration Hierachy

High Availability
- HA Cluster Terminology
- Redundancy Groups and Interfaces
- Failover Scenarios
- Configuration
- Operation and Troubleshooting

Security Zones
- Zone-based Network Segmentation
- Zone Definition
- Configuration and Interface Assignment
- Monitoring of Security Zones

Screening Functionality
- Types of Attacks
- Attack Handling (Reconnaissance, DoS, Suspicious Packets)
- Applying Screens
- Monitoring and Troubleshooting

Security Policies
- Functionality and Default Behavior
- Policy Match Conditions and Actions
- Verifying Policy Operation

Address Translation
- NAT Overview
- Next Generation NAT
- Policy NAT Interaction
- Flavours of NAT
- NAT Rulesets and Rules
- Operation and Troubleshooting

Virtual Private Networks
- Site-to-Site IPsec VPNs
- Remote Access VPNs
- Dynamic VPN Functionality
- Operation and Troubleshooting

info@xantaro.net | www.xantaro.net

Xantaro SERVICE INTEGRATION