

CROSSBEAM TRAINING

COURSE DESCRIPTIONS:

XOS EXPERT

(CBS-TRNG-XOS-EXP)

This course covers the Crossbeam XOS architecture, features and how to integrate an X-Series Security Service Switch into a typical customer environment. It explores the more complex interactions between the hosted applications, the platform, and the overall environment as well as an extensive hands-on training to monitor and to troubleshoot the Crossbeam X-Series platforms.

COURSE LENGTH:

3 days.

AFTER COMPLETION OF THIS COURSE, YOU SHOULD BE ABLE TO:

- Describe advanced Crossbeam architecture and how to deploy serialized UTM applications.
- Design solutions using the platform and various software packages.
- Integrate the platform into a typical network environment.
- Manage the underlying Linux Operating System.
- Administrate and troubleshoot of Crossbeam solutions.
- Recover System and take benefit of advanced upgrade procedures.

HANDS-ON LABS:

Integrating the X-series with normal network services, OSPF

Setting up all High availability features such as VRRP, Link Aggregation Groups (LAG), application processor module redundancy.

Designing and implementing multi-application solutions environment such as Check Point VPN-1, Proxy and IDS/IPS applications on Crossbeam X-series platforms.

Troubleshooting and debugging NPM, APM, CPM and Crossbeam daemons

Management of the Crossbeam Solutions (Software upgrade, GUI management) using EMS.

COURSE OVERVIEW:

Day 1:

Crossbeam Architecture

Crossbeam foundational principles

LAB 1: Configuration of XOS

LAB 2: Multilink aggregation with VLAN tag interface

Day 2:

Layer 3 applications – Check Point SGR70

Layer 2 applications – Sourcefire 3DSystem

Serialization best practices

LAB 3: Check Point with VPN setup

LAB 4: Sourcefire IPS

Day 3:

Dynamic routing details

Dual box HA

Detailed troubleshooting best practices

LAB 5: Serialization

LAB 6: OSPF

LAB 7: DBHA and internal circuits

LAB 8: Troubleshooting Course Overview: