SILVER PEAK EXPERT (SPX) CERTIFICATION

ABOUT SPX TRAINING

Silver Peak eXpert (SPX) Training educates IT professionals on Silver Peak's technology and products, while providing background information on key Wide Area Network (WAN) fundamentals. Individuals who complete SPX training attain an in-depth understanding of how to deploy, monitor, troubleshoot, and manage a Silver Peak–enabled WAN, as well as how to track and report key statistics pertaining to application and network behavior.

SPX Training consists of three (3) days of lecture and hands-on lab exercises with Silver Peak's WAN Optimization Appliances and Global Management System (GMS). Lab exercises are specifically designed to explore multiple aspects of managing a Silver Peak optimized WAN and to expose customers to the widest array of deployment options and network architectures. At the conclusion of each class, students are offered the opportunity to take the SPX Certification Exam.

Small class sizes with dedicated instructors ensure maximum exposure to the right educational material. The SPX program is specifically designed to foster detailed discussions on specific areas of value and interest.

All Silver Peak instructors have extensive networking backgrounds and field experience working hands-on with real customers and real deployments. SPX instructors have also completed instructional training and are current SPX certification holders.

COURSE OUTLINE

1. Wan Optimization Terminology

2. Silver Peak Overview

3. Wan Optimization Technologies

  a. Network Acceleration, Network Integrity, Network Memory

  b. Flow Processing

  c. TCP Acceleration: TCP Window Scaling, Selective Acknowledgements, Round-Trip Time Measurements, High Speed TCP, Proxy & Acceleration

  d. CIFS Acceleration

  e. Loss Mitigation Using FEC

4. Design & Preparation

  a. Bridge Mode

  b. Router (Out-of-Path) Mode, including PBR, WCCP and VRRP

5. VLAN Trunking

6. GMS and Appliance Deployment Considerations and Topologies

  a. GMS installation (GX-V on VMware)

  b. GMS Configuration and Deployment: adding and managing appliances, Auto-Discovery

  c. Appliance Installation (VX on VMware)

7. Template Groups Explained:

  a. Route Policy Templates (RPT)

  b. QoS Policy Template

  c. Optimization Templates

8. Using Auto Features

  a. TCP Auto-Optimization

  b. IP Auto-Optimization

  c. Auto Tunnel

9. Bandwidth Management & QoS

10. SSL Deduplication

CONTACT INFORMATION:

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"SPX training is a 'must have' for anyone serious about maximizing the potential of his or her WAN."

— Director of IT, Global Components Manufacturer

11. System Management & Logging

   a. SNMP for Appliances and the GMS

   b. Managing Users

   c. Communication Security

   d. Monitoring & Reporting

12. Troubleshooting

13. SPX test

COURSE PREREQUISITES

In order to complete the course successfully, the student must have a good basic understanding of networking, including:

- The TCP/IP protocol suite

- Subnetting

- Basic troubleshooting and connectivity commands e.g. ping and traceroute

- Basic Microsoft windows operation, including IE and windows explorer

Students with intermediate networking and troubleshooting experience, basic familiarity with virtualization, knowledge of common L2 and L3 topologies, routing policies and redirection, will be more successful extracting fine detail from the course.

FOR MORE INFORMATION

To register for a class, or additional information on Silver Peak training and certification:

visit our website at:

http://www.silverpeaksystems.com/Support/training.asp

or email us at: training@silver-peak.com

Silver Peak