

CPUG University (www.cpugUniversity.com)

Course 101

“Hands-On Check Point Firewall Administration”

Course Description:

This course is designed to provide the best possible five-day intensive hands-on training in the installation, configuration, upgrading and debugging of Check Point Firewall-1/VPN and associated products.

Course Schedule:

Five days, intensive format, Monday through Friday. Class begins at 8:30 AM.

Lunches, dinners, and a sophisticated lab environment are all included in the curriculum.

Why This Course Is Superior To The “Official” Check Point Courses:

- Our course is continuously improved by the members of CPUG, The Check Point User Group
- Unlike Check Point, we’re not trying to sell you anything. We just want you to get the best education possible.
- This course covers everything you need in just one week, while the “official” courses stretch it out to two weeks.
- Our classroom lab setup is far more sophisticated and robust than that used in the “official” courses.

Course Goals:

Students completing this course will be able to:

- Understand and architect a Check Point Firewall-1/VPN-1 installation, including a Security Management Server, Security Gateways, and SmartConsole Clients
- Install, configure, debug and upgrade SecurePlatform and Check Point Firewall-1/VPN-1
- Design, implement, verify and debug an appropriate Security Policy
- Monitor traffic and analyze Accepted and Rejected connections
- Design and implement Virtual Private Networks (VPN’s) using Check Point Security Gateways
- Design and implement High Availability and Clustering features in Check Point products
- Design, implement and test an appropriate Disaster Recovery program

Classroom Lab:

We use a custom-built lab configuration made just for CPUG University. Each student gets six computers:

1. **Firewall Management Workstation** (a physical machine, Windows 7 32-bit Ultimate)
2. **Network DMZ/Network Monitoring Workstation** with web server, ftp server, mail server, telnet server, ping server and sophisticated network monitoring software (a physical machine, Windows 7 32-bit Ultimate)
3. **Primary Check Point Security Management Server** with full Enterprise license enabling all features (on SecurePlatform in a VM)
4. **Secondary Check Point Security Management Server** (on SecurePlatform in a VM)
5. **Check Point Security Gateway** (on SecurePlatform in a VM)
6. **Second Check Point Security Gateway** for clustering (on SecurePlatform in a VM)

Intended Audience:

This course is intended for students who seek the best possible hands-on one-week practical education in Check Point firewall.

Prerequisites:

The student should be comfortable with TCP/IP networking and network security concepts. Prior experience with Check Point or other firewalls is helpful.

Course Outline:

1. Check Point Technology Overview
2. Check Point Software Blades
3. Deployment Platforms
4. Designing and Implementing a Security Policy
5. Monitoring Traffic and Connections
6. Upgrading
7. Encryption and VPN's
8. Management High Availability
9. Security Gateway High Availability and Clustering
10. Disaster Recovery
11. Advanced Debugging Lab

Check Point Certification:

While this course is not specifically designed to prepare you to pass the Check Point CCSA and CCSE certification exams, it provides a solid foundation for further study leading to these industry-recognized certifications.

Instructor:

Barry J. Stiefel ("Stee-ful") (CCSA/CCSE/CCSE+/CCSI, CISSP, NSA IAM, MCSE, CCNA, RCSA/RCSE/RCSI, FCSE) is the Founder and Administrator of CPUG, The Check Point User Group (www.cpug.org). He's been a Check Point implementer, consultant, courseware developer, author, speaker, and instructor since 1997.

He is co-author of these titles, by Syngress Publishing:

- CCSA Next Generation Check Point Certified Security Administrator Study Guide (2002)
- Check Point NG VPN-1/Firewall-1: Advanced Configuration and Troubleshooting (2003)
- Configuring Check Point NGX VPN-1/Firewall-1 (2005)

He organizes the annual European Check Point User Conference in Chur, Switzerland (www.cpugcon.com).

He holds a B.S. and MBA from the University of California and was previously the President of the Windows NT Engineering Association. He was nominated for the Distinguished Teaching Award at the University of California and has coached more Check Point Certified Professionals than anyone else.

He lives and works in San Francisco, USA. In his lab, he has more firewalls and routers than he needs, but not as many as he wants.

Tuition Fee:

Tuition at CPUG University includes everything:

- All lunches and dinners (San Francisco is a real gourmet city!)
- A full Enterprise lab configuration for each student
- Big savings because you won't need a rental car (everything's within walking distance)
- You get to spend time in beautiful San Francisco!

Enrollment:	Tuition:	Tuition with Hotel:	Tuition with Hotel and Airfare:
Standard	3,995 USD	4,895 USD	4,895 USD + Contact us for details
Non-Profit	3,495 USD	4,295 USD	4,295 USD + Contact us for details
Micro Business / Self-Paying	3,495 USD	4,295 USD	4,295 USD + Contact us for details
Discounts for Multiple Students	10% off both for 2 15% off all for 3+		
Onsite Training	Contact us for details		

About CPUG University:

CPUG University is part of CPUG, The Check Point User Group (www.cpug.org). CPUG is independent of Check Point Software Technologies, Ltd., provides user community, training, conference and other services to Check Point firewall administrators. CPUG has 22,000 members worldwide.

To Register:

To register, please contact:

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