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**Learning Style: Virtual Classroom**

**Technology: Citrix**

**Difficulty: Intermediate**

**Course Duration: 3 Days**

## Check Point Certified Security Expert (R81.x)



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### Course Outline:

1. Advanced System Management
  - Advanced CLI commands

- System upgrades, patches, and hotfixes
- Gathering gateway data using CPView and CPInfo

## 2. Automation and Orchestration

- Check Point API architecture
- Automating tasks and orchestrating workflows

## 3. Advanced Security Gateway and Management Configurations

- Advanced Firewall infrastructure
- Security policies and settings
- Threat prevention and management

## 4. Redundancy and Acceleration

- ClusterXL advanced functions
- VRRP network redundancy
- SecureXL and CoreXL acceleration technologies

## 5. SmartEvent and Logging

- SmartEvent components and network activity logs
- Identifying and responding to security events
- Using SmartEvent for threat detection and prevention

## 6. Mobile and Remote Access

- Mobile Access Software Blade
- Securing communication and data
- Deployment options for mobile access

## 7. Threat Prevention

- SandBlast, Threat Emulation, and Threat Extraction
- Protecting against zero-day attacks and Advanced Persistent Threats (APTs)
- Check Point Capsule components for mobile security

## 8. Advanced VPN Concepts

- VPN performance optimization
- Troubleshooting VPN issues

- Implementing advanced VPN configurations