

## **AT&T training center – Firewall Technologies Practice**

AT&T training center – FW technologies practice is intended for students possessing CCNA up to CCNP networking skills and are interested in the networking security area. The course provides an overview of firewall technologies commonly used in customer environments. Educated technologies do extend students practical security skills required for junior security engineer position.

### **Check Point Firewall technology**

Check Point training is focused on practicing of Check Point firewalls functions and futures. Course contains elementary as well as advanced techniques which are used to troubleshoot common issues arising in real firewall environment. Check Point training is designed for students willing to obtain security skills required from junior security engineers. Course partially cover topics of CCSA and CCSE certifications accepted widely across the globe.

### **Cisco ASA Firewall technology**

Specific security course focused on Cisco ASA firewall management and implementation. Participants are following labs moderated by a mentor, starting with easy CCNA security level activities, up to CCNP security level implementation of ASA firewall with the latest OS. The course provide opportunity to students to practice Cisco ASA Firewall technology on junior security engineer level.

### **Juniper Firewall technology**

Juniper topic covers configuration, operation, and implementation of SRX Series Services Gateways in a typical network environment. Training contains practical examples of Juniper technology management and provides fundamental Juniper SRX knowledge and skills useful for security engineers operating across large networks designed with multiple technologies.

## **AT&T training center syllabus**

### **Class 1 – General Network Security**

- Device hardening, layer 2/3 security functions.
- Cisco security devices overview.
- Network attacks and protection.
- Identity management and WLAN security.
- NAC and VPNs features

### **Class 2 - Cisco ASA Firewalls Foundation**

- Cisco firewall history,
- Cisco security technologies.
- Cisco PIX /ASA hardware and software, firewall features.

### **Class 3 – Cisco ASA Firewalls Advanced**

- ASA CLI and GUI, ASDM.
- Syslog, routing, anti-spoofing, access control lists, NAT, Static NAT, identity NAT, dynamic NAT.
- Troubleshooting using capturing and packet tracer.
- Class 4 – Juniper SRX Foundation

### **SRX introduction.**

- Zones and security policies.
- screen options and NAT.
- Class 5 - Juniper SRX Advanced

- IPsec VPN and firewall authentication,
- high availability clustering

Class 6 – Check Point Firewalls Foundation

- Check Point technology and platforms.
- Security policies and traffic monitoring.
- NAT configuration and monitoring.
- Using Check Point tools.
- User management and firewall authentication.

Class 7 – Check Point Firewalls Advanced

- Management server high availability, firewall clustering.
- IPsec VPNs.
- Traffic optimization and acceleration.
- Backup, upgrade, recovery.