Network Security Essentials for Locally-Managed WatchGuard Fireboxes

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Online Course

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Course Modules

1. Understand basic networking concepts that are not unique

- IPv4 addresses, subnetting, and routing
- Network Address Translation
- Packet headers (TCP, IP, HTTP)
- MAC addresses
- Network services, ports, and protocols

2. How to set up a Firebox with a basic config & Firebox admin

- Firebox default policies and network settings
- Fireware Web Setup Wizard
- Feature keys
- Firebox backup and restore
- Configuration file migration
- Default Threat Protection

3. Understand how to use management tools to monitor

- Tools to monitor Firebox status and activity
- Diagnostic tools in Firebox System Manager
- Firebox logging to Dimension or WatchGuard Cloud
- Firebox log messages
- Logging settings

4. Understnd how to configure Firebox network settings & NAT.

- Network interface types, security zones, and settings
- WINS/DNS
- Routing and static routes
- NAT types and configuration
- DHCP
- VLANs
- Multi-WAN and SD-WAN actions

5. Configure Firebox policies, proxies, and security services

- Packet filter policies and proxy policies
- Policy precedence
- HTTP proxy
- HTTPS proxy content inspection
- Content actions and domain name rules
- Fireware subscription security services

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6. User authentication and VPN settings on the Firebox.

- Authentication servers
- Users and groups in policies
- Firebox authentication portal
- Mobile VPN routing options and protocols
- Branch Office VPN gateways and tunnel routes
- Branch Office VPN and NAT
- BOVPN virtual interfaces

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