



FireWall-1 GX NGX JumpStart

*Ensure successful implementation of
FireWall-1 GX NGX*

YOUR CHALLENGE

The wireless telecommunications industry is moving from primarily voice communications to enabling an increasing number of packet-switched data services for mobile users. This requires the industry to implement effective security solutions to provide a secure environment in which wireless networks, application providers, and subscribers can conduct their transactions.

OUR SOLUTION

Check Point FireWall-1® GX NGX protects against the risk of IP-based threats or problems caused by packets that are not compliant with industry standards. By inspecting all packets in a roaming network connection, FireWall-1 GX NGX identifies and prevents entry to abnormal or malformed packets while sustaining the quality of service required by cellular users.

Check Point Professional Services offers the time-saving FireWall-1 GX NGX JumpStart Program to help companies quickly implement FireWall-1 GX NGX as a security solution for wireless networks.

This helpful service provides organizations with the skills and resources necessary to realize an almost immediate return on investment. Check Point Professional Services is able to provide configuration and implementation services along with complete documentation for the best possible deployment.

Management installation

FireWall-1 GX NGX can be managed with:

- VPN-1®/FireWall-1 SmartCenter™ server NGX
- Provider-1® NGX

Check Point Professional Services can integrate FireWall-1 GX into a current NGX SmartCenter server, implement a new SmartCenter server, or set up a new Provider-1 NGX infrastructure.

Implementation consultation

Prior to implementation, the Professional Services staff and local support staff will validate the implementation design. Whether by guarding against unknown partners through a GPRS Roaming Exchange (GRX), via a trusted roaming partner, or in the internal Ground Network, proper placement will be ensured.

SERVICE DESCRIPTION

The FireWall-1® GX NGX JumpStart program offers organizations a time-saving program to ensure success of their FireWall-1 GX NGX implementations.

SERVICE FEATURES

- Management installation
- Implementation consultation
- FireWall-1 GX NGX gateway operating system installation
- FireWall-1 GX NGX gateway software installation
- Initial policy configuration
- GTP (GPRS Tunneling Protocol) security policy configuration
- Log management consultation
- Detailed report

SERVICE BENEFITS

- Focuses specialized attention on security in the GPRS environment
- Enables rapid deployment of solutions, reducing time to ROI
- Provides the skills necessary to easily integrate FireWall-1 GX NGX with existing Check Point infrastructure
- Configures management requirements to company specifications
- Offers proactive evaluation of network security planning

NGX™

*The NGX platform delivers a unified
security architecture for Check Point.*

FireWall-1 GX NGX gateway operating system installation

The importance of installing the supporting operating system securely cannot be understated. The very foundation of FireWall-1 GX NGX software will be secured using tried and proven methods of securing gateway host operating systems, regardless of the platform chosen to host the FireWall-1 GX NGX software.

FireWall-1 GX NGX installation

Placed at the perimeter and guarding the GPRS backbone from roaming partners or entire exchanges, FireWall-1 GX NGX becomes an important, integral part of the GPRS network. Ensuring that installation is performed correctly from the beginning is critical. And quickly integrating FireWall-1 GX NGX correctly will reduce the time required to realize its many benefits.

Initial policy configuration

Like Check Point's flagship VPN-1/FireWall-1 products, FireWall-1 GX NGX uses a security policy to define the security parameters of the network. The parameters for GPRS networks are not like those for normal IP v4 networks. With GTP v0 and GTP v1 on the network, parameters such as GTP antispoofing, APN definition, and IMSI – APN mapping are required early in the project. These tasks are not familiar to the average network or security administrator. Configuration of the initial policy occurs prior to bringing the FireWall-1 GX NGX gateway online, which secures an open and stable configuration, limiting the downtime experienced during implementation.

Log management consultation

As an added benefit, this service includes a basic overview of log management within a VPN-1/FireWall-1 SmartCenter server NGX environment. Tunnel creation information is detailed and explained for:

- IMSI
- MS-ISDN
- GSN IPS addresses
- APN
- Selection mode
- End user IP addresses

Professional Services helps companies determine where to place log modules within the network, specific rules to log, and general log management principles.

Detailed report

Check Point consultants also provide comprehensive documentation of the final configuration, detailing the management platform and FireWall-1 GX NGX.

Note

Due to the complexity of individual environments, any quotes you may receive, whether verbal or otherwise, for the number of days required to perform a task are given as a guide for budgeting purposes only and are not meant to be a guarantee for the amount of time required to perform the project. Additional time, if necessary will be billed per day at the current Check Point On-site Daily Consulting Rate.

Recommendation

In order to ensure the most efficient use of time and complete wrapup and documentation, we recommend a half-day pre-engagement, off-site phone consultation and a half day of post-engagement off-site phone consulting.

Additional services

- Applicable Check Point training courses:
 - Managing Multiple Sites Using Provider-1 NGX
 - Customized training on Firewall-1 GX NGX
- Deploying failover solutions using ClusterXL® or VRRP
- Explore the use of advanced Firewall-1 GX NGX features

Learn more

For more information on Check Point Professional Services for the FireWall-1 GX NGX JumpStart Program, email consulting@ts.checkpoint.com.

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