

Nokia Horizon Manager is the centralized deployment, maintenance and recovery solution for management of between multiple Nokia IP Security Platforms.

Nokia Horizon Manager implements best practice security management that promotes real-time delivery of enterprise applications and services and strengthens business-enhancing IT initiatives. With its centralized platform configuration and inventory management, Nokia Horizon Manager securely promotes consistent best practice standards across the enterprise by offering extensive visibility into the security network, even from remote locations. Its role-based administration controls user access and tracks completed actions via audit logs to support existing security administration roles and responsibilities. Nokia Horizon Manager

also securely communicates with Nokia IP Security Platforms using SSH with RSA and DSA authentication.

Configuration Management Overview

Protecting the entire network with industry-leading security applications including firewalls, virtual private networks, and the underlying hardened appliance operating system is the key to any business success. For enterprises or service providers, secure network management is integral to maintaining a trusted network environment. Absolute system robustness and network integrity is essential for maintaining best practices and doing more with less in today's challenging IT environment.



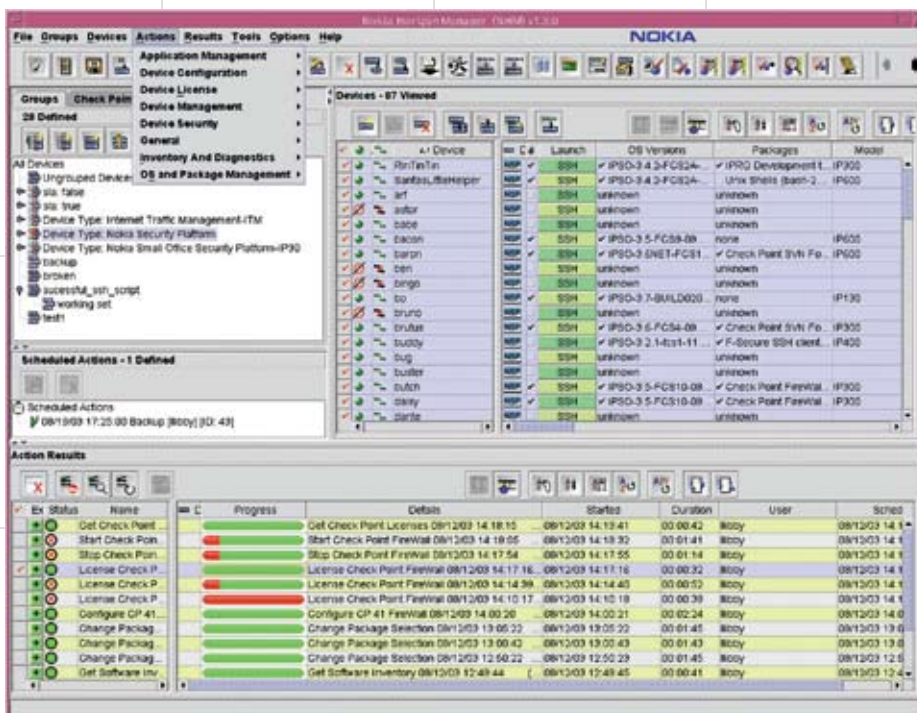
Network security administrators need to manually track the OS, platform and configuration in addition to establishing access privileges for users and providing routine software maintenance for devices. For an enterprise or service provider, the challenge is the same. Performing network maintenance one-device-at-a-time creates inconsistencies in procedures and a higher likelihood for error. This labor-intensive process is costly, in time and in resources, and does not scale to meet the needs of business growth. Nokia Horizon Manager is the solution to these challenges.

Nokia Horizon Manager Advantages:

Return on investment

Nokia Horizon Manager saves time, money and resources.

Enterprises and service providers are able to realize a rapid return on investment, in terms of reduced time to deploy Nokia IP Security Platforms and centralized management of device configuration settings. Nokia Horizon Manager enables businesses to leverage scarce personnel and maintain network integrity, reducing precious time spent on installing and upgrading software and applications one-device-at-a-time.



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Purpose-built for secure, rapid deployment of Nokia IP Security Platforms

Nokia Horizon Manager natively interfaces with Nokia IP Security Platforms ensuring secure installation, configuration, upgrade, backup/restore of best-of-breed partner applications and the underlying operating system.

- Template-based initial appliance configuration and deployment
- Configure consistent operating system and platform settings across Nokia IP Security Platforms
- Install and upgrade of Nokia IP Security Platform operating system
- Backup/restore of best-of-breed partner application configurations and Nokia IPSO operating system
- Supports Nokia Distributed Enterprise IP Security Platforms
- Change passwords on single device or on groups of devices
- Transfer files from central console to devices
- Execute commands or run customized scripts
- View results for completed actions

Centralizes systems management for deployment, maintenance, and recovery

Nokia Horizon Manager can be installed on either Solaris or Windows 2003 Enterprise and Standard Edition, providing centralized console management for Nokia IP Security Platforms.

- Remote GUI Client provides intuitive at-a-glance information of connected devices, groups of devices, action logs, and action status from anywhere
- Automates one-time and recurring actions through Task Scheduler
- View devices that are part of high availability HA/VRRP pairs
- Perform hardware and software inventories of Nokia IP Security Platforms
- Upgrade operating system and Check Point VPN-1/FW-1 software
- Recover operating system and application configurations from central console
- Keep security level current with patch install utility

Role-based administration to effectively track and control actions and access

Nokia Horizon Manager supports existing network security administration roles and responsibilities for managing secure networks.

Multiple user accounts and role-based administration control device and action access privileges for user logins.

Automates tasks and reduces errors

For the small and medium enterprise, Nokia Horizon Manager introduces simple, systematic procedures for deploying security systems and maintaining optimized security network software configurations.

- **Simple:** Nokia Horizon Manager configures devices for repetitive actions such as patch installation and password updates. It simultaneously manages both simple and complex groupings of devices based on dynamic characteristics.
- **Systematic:** Pre-defined actions provide a consistent management template therefore reducing errors and assisting in the development of customer specific management procedures for secure networks.

Secure SSH communication with public key authentication using RSA/DSA

Nokia Horizon Manager supports SSHv2 and SSHv1 for secure communication with Nokia IP Security Platforms.

- SSH offers multiple security algorithms, user authentication and encryption for devices
- The public key upload action enables easy and timely setup of SSH public key authentication

Enables rapid migration to recent releases of Check Point

Nokia Horizon Manager makes the Nokia IP series the simplest, fastest and most preferred platform for migrating to Check Point VPN-1 and NG.

- Install and upgrade Check Point software versions
- Initial configuration for Check Point

- Manage Check Point licenses
- Start/Stop Check Point FW-1
- Check Point's SmartCenter Integration shares data between Nokia Horizon Manager and SmartCenter via OPSEC, enabling cross-launching of Nokia and Check Point management tools.

Nokia First Call—Final Resolution support

Nokia Global Support & Services guarantees timely delivery of service pack releases.

- Fast, secure access to regular downloads of the latest:
 - Service packs providing updates for new features, support for new releases of OS, applications and hardware device support
 - "Do No Harm" constraint table updates ensure compatible installation of partner applications and OS versions.
- Nokia technical assistance 7x24
- Nokia support website
- Proactive notification services for new releases, alerts and updates

Minimum System Requirements

Windows 2003 Enterprise and Standard Edition

- Microsoft Internet Information Server (IIS) w/FTP service
- P3 w/700 MHz and 120MB hard drive space
- 512 MB RAM (minimum)
- P4 w/1500 MHz and 120MB hard drive space
- 512 MB RAM (minimum)

Note: Nokia Horizon Manager needs to be installed on the NTFS partition of a Windows system with the NTFS boot drive.

Solaris (Client and Server)

- Requires Solaris 8 (32 or 64 bit) or Solaris 9 (64 bit)
- 500 MHz with 512 MB RAM and 120MB hard disk space