

Guarding network security equipment



AI Overview

Protecting network security equipment requires a combination of physical security, access control, monitoring, and proper maintenance to ensure network integrity and prevent cyber threats. Physical Security Network security devices such as firewalls, intrusion prevention systems (IPS), VPN gateways, and unified threat management (UTM) appliances should be housed in secure, access-controlled environments. This includes server rooms or data centers with restricted entry, surveillance cameras, and environmental controls to prevent damage from heat, humidity, or power fluctuations. Rack-mounted devices should be locked, and only authorized personnel should have keys or access codes. Access Control and Authentication Limiting who can configure or manage network security devices is critical. Use strong authentication methods, such as multi-factor authentication (MFA), and role-based access control (RBAC) to ensure that only qualified personnel can make changes. Regularly review and update user permissions to prevent unauthorized access. Monitoring and Logging Continuous monitoring of network security devices helps detect tampering or unusual activity. Enable logging on firewalls, IPS, and VPN gateways to track configuration changes, access attempts, and traffic anomalies. Centralized logging and Security Information and Event Management (SIEM) systems can provide real-time alerts for suspicious activity. Maintenance and Updates Regularly update firmware and software on network security devices to patch vulnerabilities and improve performance. Schedule routine audits and vulnerability assessments to ensure devices are functioning correctly and remain resilient against emerging threats. Redundancy and Backup To guard against device failure, implement redundancy for critical network security appliances. Backup configurations and maintain spare hardware to minimize downtime in case of malfunction. Cloud-based security solutions can also provide additional resilience and remote management c...

Article Content

Network Security 101: Understanding the Basics

Learn how to secure your growing network against evolving threats with network security 101. Understand the basics with this comprehensive guide from NordLayer.

18 Types of Network Security Solutions to Implement

Everything you need to know about the fundamental types of network security, from firewalls and VPNs to vulnerability management and endpoint

Understanding Network Security: Tools & Protection | IR

Network security is vital in protecting your networks from threats such as data breaches or intrusions. Find out about the types of protection available.

Guardian Sensor | OT Network Monitoring

Nozomi Networks Guardian security sensors passively monitor and analyze network traffic to provide OT and IoT visibility and threat and anomaly detection.

Guarding the Gates: A SOC Analyst's Guide to Network

In this post, I tried to walk you through the fundamentals of network perimeter security, from understanding network components to analyzing logs to

ESTABLISHING NETWORK EQUIPMENT SECURITY

ESTABLISHING NETWORK EQUIPMENT SECURITY Firewalls and gateway routers are already important components of any organization's network security strategy. But network architects can

What Is Network Security? How to Keep Networks Safe

What is network security and how does it work? Overall, network security includes the use of rules, techniques, and other security controls to

Securing Network Infrastructure Devices

Learn about the threats and risks associated with network infrastructure devices and how you can protect your network from cyber-attacks.

34 Most Common Types of Network Security Solutions

Learn about the different types of network security and the different ways to protect your network.

18 Types of Network Security Solutions to Implement

There is a wide array of network security solutions that protect against cyberthreats, including firewall software, access control tools, antivirus solutions,

What is physical security and how does it work?

Learn what a physical security framework is and the categories of physical security. Examine security threat types and physical security best practices.

Top 16 Network Security Devices [Updated 2025]

Explore essential network security devices—firewalls, IDPS, VPNs—for a robust defense-in-depth strategy to safeguard against evolving cyber threats.

Device security guidance

Securing your devices is an essential part of guarding your organisation against a variety of threats which herald primarily from the internet.

The Role of Physical Security in Maintaining Network

Although physical security is absolutely critical to maintaining network security, it is among the most often forgotten aspects of protecting a network.

How to Secure a Network: 9 Key Actions to Secure

Questioning how to secure a network? Explore 9 key steps for securing your network and safeguarding sensitive data.

10 Best Network Security Tools to Stop Threats in 2026

Compare the 10 best network security tools for enterprises in 2026, from vulnerability scanners and SIEM to IDS/IPS, by type, key features, and pricing.

Local Manhattan Security Guard Company | Prosegur

Our licensed security professionals support commercial clients across New York City, including all five boroughs—Manhattan, Brooklyn, Queens, the Bronx, and

L3Harris® Fast. Forward.

L3Harris Technologies has received a Federal Aviation Administration contract to upgrade and continue to operate the nation's aircraft tracking network through

Physical Security Controls to Protect Your Network

Network servers, network switches, firewalls, and other mission critical devices should all be located in dedicated rooms that are secured behind a door with a physical lock and/or an electronic keypad.

Network security fundamentals | National Cyber

Networks are fundamental to the operation, security and resilience of many organisations. This guidance provides an introduction to the key topics to

Network Security Devices

To protect the network against cyber attacks, hackers, and staff irresponsibility, network security is employed. Hardware, software, and cloud

Top 5 Network Security Solutions: A Complete Guide

Explore the top 5 network security solutions to protect your business in 2025. A simple and complete guide for all.

Customized Security & Guarding Solutions | Securitas USA

Securitas is a leading provider of custom security & guarding solutions. Explore our protective services, including on-site guarding, mobile

Machine Guarding Systems | WireCrafters

Machine Guarding Systems from WireCrafters® are a simple, effective way to protect personnel from the dangers posed by automated equipment. These

Network Security Devices Explained: Types, Examples ...

Explore the most important network security devices—firewalls, intrusion prevention systems, VPNs, and more. Learn how each protects your business network and keeps your data secure.

What is network security?

What is network security? Network security combines policies and technologies to protect systems and digital assets from unauthorized access, misuse, and

15 Best Practices for Effective Business Equipment

Improve your business equipment protection with these 15 best practices. Learn how to safeguard high-value assets and prevent costly setbacks.

The solution for zero trust network access

With ARP-GUARD, you can secure your entire network using a powerful Network Access Control (NAC) solution “Made in Germany.” All devices—whether known

The Most Common Types of Network Security Devices

On top of the many network devices that any enterprise should have today, there are a selection of network security tools and devices that can help

Data Center Physical Security: Key Standards, Best Practices

Explore essential data center physical security standards, major risks and practical steps to strengthen protection for servers and sensitive equipment.

Contact Us

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