

Network security equipment and environment security



Overview

Network security devices are hardware or virtual appliances designed to protect computer networks from unauthorized access, data breaches, and cyberattacks. They include firewalls, intrusion prevention systems, VPN gateways, and other tools that safeguard data across network. Physical and environmental security controls are implemented to protect the facility housing system resources, the system resources themselves, and the facilities used to support their operation. The term physical and environmental security, as used in this chapter, refers to measures taken to. How to design, use, and maintain secure networks. Networks are fundamental to the operation, security and resilience of many organisations. Cybercriminals deploy ransomware, AI-powered attacks, and advanced persistence tactics targeting critical data and infrastructure.



Article Content

Securing Network Infrastructure Devices

Logically segregate the network using physical or virtual separation, allowing network administrators to isolate critical devices onto network segments. Harden Network Devices A

Network Security Fundamentals: What It Is and Why It

Get a comprehensive overview on network security fundamentals, from definitions to modern challenges and best practices. Learn about the current network security

NIST SP 800-12: Chapter 15

The term physical and environmental security, as used in this chapter, refers to measures taken to protect systems, buildings, and related supporting infrastructure against threats associated with their

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.

Network Security Devices Explained: Types, Examples ...

To understand how network devices function and interact before adding security layers, read A Guide to Network Devices. This foundational guide explains how devices like routers, switches, and bridges

What Is Enterprise Network Security? | A Complete Guide

Enterprise network security protects business networks. This guide explains its benefits, key components, best practices, and more. Learn more.

ISO 27001: Physical and Environmental Security Explained

ISO 27001 Annex A.11, titled "Physical and Environmental Security," is a crucial component of the ISO/IEC 27001 standard, which focuses on Information

Physical & environmental security

Physical and environmental safeguards are often overlooked but are very important in protecting information. Buildings and rooms that house information and information technology systems must

Network Security

Network security protects networks and the data they carry from unauthorized access, misuse, and cyberattacks. It ensures systems remain

Network Security

Between sophisticated cybersecurity threats, hybrid environments, ransomware, malware, and personal devices, network security needs a new approach.

ESTABLISHING NETWORK EQUIPMENT SECURITY

For improved network security, the Trusted Computing Group (TCG) is developing standards/guidance that specifically addresses the security of networking equipment. The TCG Guidance for Securing

What Is Network Security? Definition and Types | Fortinet

Network security protects organizations' data, employees, and customers from various attacks. Discover the types of network security and how it can help

What is Network Security: Types and Importance

Explore comprehensive network security strategies to protect your digital infrastructure. Learn about essential components, emerging trends, and

18 Types of Network Security Solutions to Implement

Proper understanding and utilization of network security software enable organizations to keep threats at bay and maintain a secure network

10 Best Network Security Solutions For Enterprise - 2026

This guide evaluates the 10 best network security solutions for 2026, detailing technical specifications, key strengths, purchase rationale, and unique capabilities for global enterprises, mid

Network security fundamentals | National Cyber Security

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

Physical and Environmental Security

Physical and environmental security policies include perimeter security, entry controls, workspace classification, working in secure areas, clean desk and clean screen, power consumption, data

Network Infrastructure Security: Definition, Types, Benefits

Our latest blog post explains how network infrastructure security works and shows how to protect your networking equipment from both external

What Is Network Security? How to Keep Networks Safe

The complicated security environment has greatly expanded network administrator responsibility. Maintainers and strategists, they anticipate

What Is Network Security? Definition and Security

Learn what network security is, how it works, and what strategies companies use to keep network data, traffic, and resources safe.

In-Depth Guide to ISO 27001's Physical

This involves implementing a range of physical and environmental security controls and procedures, such as access control to physical assets,

Top 5 Network Security Solutions: A Complete Guide for

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

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

What is network security?

Network security is a field of cybersecurity that's specifically focused on protecting computer networks and communication systems from internal and external

Top 16 Network Security Devices [Updated 2025]

In this article, we will explore common types of network security devices, appliances and technologies that form a robust, multi-layered security

Network security fundamentals | National Cyber Security

How to design, use, and maintain secure networks. Networks are fundamental to the operation, security and resilience of many organisations. This

Choosing the Right Security Equipment for Your Network

Cyber threats and cybercriminals are continually evolving and looking for ways to infiltrate networks. Learn about what equipment you need to protect yours.

Types of Network Security Explained

Network security is all about being prepared and this article brings you the methods and tools necessary to defend against any type of cyberattack.

What is network security? Definition and best practices

Network security is a critical part of overall IT security. Learn how it works, the various tools available, benefits it provides and challenges it poses.

Contact Us

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