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What is next-generation firewall?

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What is a next generation firewall?

Learn about the differences between NGFW and traditional firewall

Firewalls are a standard security tool for the majority of companies, but in today's changing threat landscape, next generation firewalls are the only firewalls that can provide proper protection.

A next generation firewall (NGFW) is, as Gartner defines it, a "deep-packet inspection firewall that moves beyond port/protocol inspection and blocking to add application-level inspection, intrusion prevention, and bringing intelligence from outside the firewall.

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Traditional VS. next-generation firewalls

As their name suggests, next generation firewalls are a more advanced version of the traditional firewall, and they offer the same benefits. Like regular firewalls, NGFW use both static and dynamic packet filtering and VPN support to ensure that all connections between the network, internet, and firewall are valid and secure. Both firewall types should also be able to translate network and port addresses in order to map IPs.

There are also fundamental differences between the traditional firewall and next generation firewalls. The most obvious difference between the two is an NGFW's ability to filter packets based on applications.

These firewalls have extensive control and visibility of applications that it is able to identify using analysis and signature matching. They can use whitelists or a signature-based IPS to distinguish between safe applications and unwanted ones, which are then identified using SSL decryption. Unlike most traditional firewalls, NGFWs also include a path through which future updates will be received

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Benefits of using a next-generation firewall

The differentiating features of next generation firewalls create unique benefits for the companies using them. NGFWs are able to block malware from entering a network, something that traditional firewalls would never be able to achieve. They are better equipped to address Advanced Persistent Threats (APTs). NGFWs can be a low-cost option for companies looking to improve their basic security because they can incorporate the work of antiviruses, firewalls, and other security applications into one solution. The features of this include application awareness, inspection services, as well as a protection system and awareness tool that benefit the offering at all odds.

The importance of next-generation firewalls

Installing a firewall is a requirements for any business. In today's environment, having a next generation firewall is almost as important. Threats to personal devices and larger networks are changing every day. With the flexibility of a NGFW, it protects devices and companies from a much broader spectrum of intrusions. Although these firewalls are not the right solution for every business, security professionals should carefully consider the benefits that NGFWs can provide, as it has a very large upside

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Benefits of NGFW

Protect against application-borne security threats and manage bandwidth usage by increasing your control over applications with AppSecure.

Save time and minimize policy management complexity by basing security policies on user-based and role-based information with integration between your SRX Series firewall and your network directory

Secure your organizations against network-based exploit attacks aimed at application vulnerabilities with an intrusion prevention system (IPS) that accommodates custom signatures

Protect your business against malware, viruses, phishing attacks, intrusions, spam, and other threats through unified threat management (UTM) with antivirus, antispam, as well as Web filtering and content filtering
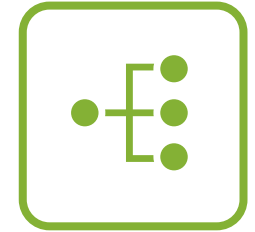
Streamline operations by centrally managing all your next-generation firewalls from the single, highly scalable Junos Space Security Director

Why Juniper?

Juniper Networks aims to solve the world's most difficult problems in networking technology. Its mission is to bring simplicity to networking with products, solutions, and services that connect the world. Its portfolio includes routers, switches, network management software, network security products and software-defined networking technology.

Why Westcon?

At Westcon, we're creating a future built on winning alliances. As businesses chart their digital transformation, new openings are created.

Specialising across data centre, infrastructure, collaboration and security, we're here to help partners take advantage of innovations in analytics, AI, cloud, cybersecurity, IoT, SD-WAN and much, much more.

And, when you partner with the channel's most outstanding levels of value and service, be assured that you're ready to seize the opportunity.

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Our partnership in practice

Technical enablement:

We keep you up to speed with tailored training, sales enablement and one-to-one bootcamps.

Lead generation:

Dedicated business development managers help you grow and develop a Juniper pipeline.

Proof of concept:

Offer customers a try-before-you-buy programme with best-in-class demo units and facilities.

Winning team:

We are Juniper's Distributor Partner of the Year for providing the best possible outcomes for its customers.

Upsell, cross-sell or net new – grow your Juniper business with Westcon

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