Secure Networks, Not Network Security

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JUNIPER NETWORKS

Cyberattacks:
A Clear and Present Danger

Cybercrime is a costly global business disruptor. In the U.S., companies nationwide are contending with soaring numbers of breaches, according to FBI assessments[1], yet are doing a poor job of defending against cybercriminals.

The number of U.S. data breaches tracked in 2016 hit an all-time high of 1,093[2], which represents a 40 percent hike over 2015 incidents. The average consolidated total cost of a data breach grew from $3.8 million to $4 million[3], according to an IBM-sponsored study conducted by the Ponemon Institute. The study also reports that the average cost incurred for each lost or stolen record containing sensitive and confidential information increased from $154 to $158.

[1] FBI, What We Investigate, "Cyber Crime," FBI.gov, n.d., https://www.fbi.gov/investigate/cyber.
[2] Identity Theft Resource Center, "Data Breaches Increase 40 Percent in 2016, Finds New Report from Identity Theft Resource Center and CyberScout," [Press release]. IDTheftCenter.org, Jan. 19, 2017, http://www.idtheftcenter.org/2016databreaches.html.
[3] IBM, "Cost of Data Breach Study," IBM.com, 2016, https://www-03.ibm.com/security/data-breach/?ce=ISM0484&ct=SWG&cmp=IBMSocial&cm=h&cr=Security&ccy=US&cm_mc_uid=48044757052114901212540&cm_mc_sid_50200000=1490121254.

ePlus and Juniper Networks:
Partnered for Your Protection

Despite increased investment in the enterprise security landscape, industry experts predict that cyberthreats will continue to evolve and adapt to new and sophisticated defenses.

ePlus and Juniper Networks are working together to protect your business against cybercrime methods both old and new.

This e-book will show you how they can help implement layered security within the infrastructure you control throughout your network.

Enhanced Network Security Is Desperately Needed

ePlus and Juniper know that chief information security officers are faced with a chaotic and confusing landscape when deciding how to manage the risks (and costs) associated with providing security to their businesses. What makes these seasoned security experts most nervous is the ability of advanced threats to bypass traditional perimeter security defenses, enter their trusted network, and move about undetected. This greatly increases the surface area of the attack, and is why security deployment must change.

Recent developments that have <u>weakened</u> the perimeter approach to network security:

Proliferation of endpoints

Smartphones, Tablets, BYOD, Internet of Things (IoT), Laptops, PCs

Increased threat sophistication

Targeted, Focused, Advanced Persistent Threat (APT), Botnets

Growth of virtualization and cloud infrastructure

New Layers of Infrastructure

Non-orchestrated multiple environments

Cloud Offerings Operating in an Incoherent, Unorchestrated Manner

ePlus and Juniper — A Comprehensive Security Platform Solution:

To cope with today's broad threat landscape, companies must be able to leverage the entire network, not just the perimeter, as a threat detection and enforcement solution. Leveraging Juniper Networks Software-Defined Secure Network (SDSN), ePlus will help you detect and stop threats closer to the infection point.

How SDSN Surmounts Existing Security Investment Shortcomings

Juniper's SDSN was developed as a solution to the challenges that security decision makers are facing. Their considerable investments in security products have not yielded the protections they need to keep corporate data safe.

The following vulnerabilities still exist across organizations:

- Lack of visibility into networks--applications, user activities and potential threats

- Lack of data correlation and actionable intelligence

- Number of steps required to take remedial action

- Necessary focus on security takes resources away from other pertinent business activities

- Risk of data loss, compliance violations and security breaches from file sharing brought on by rapid adoption of and reliance on cloud services

- Disparate security solutions, and lack of integration with the firewall

The New Cybersecurity Paradigm—SDSN

SDSN is Juniper's vision of applied threat intelligence and immediate threat enforcement—and the future of network security. ePlus and Juniper know that by leveraging the cloud, it can more effectively and dynamically solve the litany of current network security issues.

SDSN works on the following principles:

- Leverage the entire network as points of threat detection and enforcement.
- Leverage the economy of the cloud to share threat intelligence at scale and to accelerate threat detection and make it adaptable in real time.
- Implement a centralized controller/policy engine that dynamically adapts policy, so stays ahead of constantly evolving threats and attacks.

Juniper SDSN and ePlus Engineering: Securing Your IT Environment

Yesterday's network security meant firewalls at the boundary of your network, checking anything coming in from the outside but trusting everything on the inside. Today, networks need to be secured at multiple levels. Unique in the industry, Juniper Networks SDSN adapts, dynamically and network-wide, to stop threats faster.

Zero trust model

SDSN promotes a zero trust model for information security that is fundamentally more secure, because it can isolate even one compromised application on the network, thus isolating that infection or threat. In this way, businesses can protect the more critical assets inside their networks.

Inside-out security model

SDSN is the industry's only inside-out security model because it leverages the network as a sensor for delivery of context-aware threat alerts and then dynamically enforces security policy with software-defined segmentation designed to reduce the overall attack surface.

ePlus & Juniper: A Network That Eliminates Threats Outside, and In

Together, ePlus & Juniper will help you achieve high-performance security on the perimeter and in the data center with advanced, integrated threat intelligence delivered on the industry's most scalable and resilient platform.

Security policy management has never been this simple and centralized. It is time for secure networks that make intelligent decisions and stop threats faster. Look to ePlus and Juniper Networks for security policies that adapt dynamically with the evolving threat landscape.

Go from knowing to doing with features that include:

- Intuitive user interface
- Actionable intelligence
- Cloud-based anti-malware
- Real-time customizable threat feeds
- Analytics
- Automation capabilities
- Open policy engine

Dare to Know Your Network

Together, ePlus and Juniper Networks offer you a valuable partnership. We bring experience that can safely generate a detailed risk analysis of your network, and tell you how to mitigate potential cybersecurity issues.

Our comprehensive and non-invasive analysis uses the power of Juniper SRX and OneConfig's cloud-based application.

You will see first-hand:
- Application traffic on the network
- Highlights of associated risks
- How to mitigate issues

Contact us today

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