



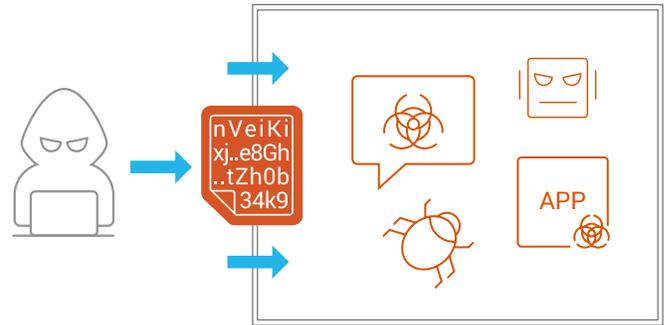
*HOW TO OPTIMIZE & SCALE YOUR
ENTERPRISE SECURITY
WITHOUT SPENDING MORE ON NGFWs*



INTRODUCTION

Cyber threats are rapidly evolving and the rise in encryption of internet traffic is fueling this evolution. Attackers are increasingly using the cover of encryption to execute phishing, malware, ransomware and other kinds of attacks.

Organizations are stepping up their security by enabling decryption on their enterprise edge security stack. However, this makes for an ineffective and short-term solution to an ever evolving problem.



WHAT YOU NEED IS A DEDICATED DECRYPTION SOLUTION

One that has been designed to solve these specific problems, and that provides:



1. FAST AND RELIABLE DECRYPTION

Dedicated SSL processors provide the most cost-effective way of delivering enterprise-wide SSL decryption to security devices – without the 90% performance hit.



2. VERSATILE ENTERPRISE SECURITY

Arming your entire security infrastructure for the evolving cyber threat landscape. A dedicated decryption device augments your entire existing security stack to ensure peak performance and security efficacy.

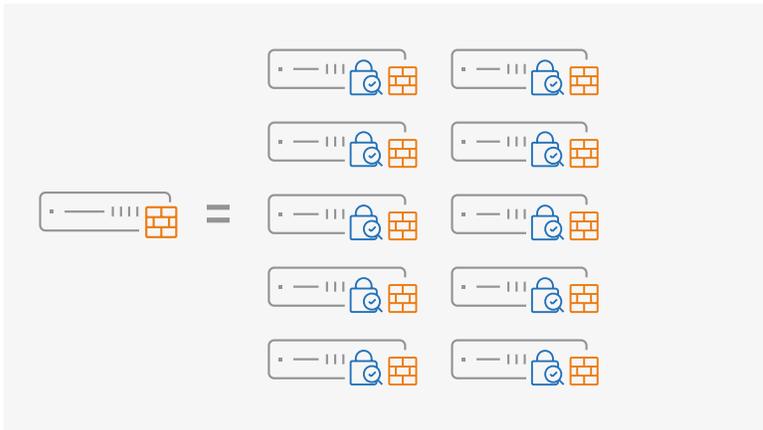


3. LOAD BALANCING ACROSS MULTIPLE FIREWALLS TO SCALE

Firewall load balancing helps scale your security infrastructure, enabling you to add more firewalls in parallel and sending bigger volumes of traffic through them collectively.

SCALE YOUR COSTLY PERIMETER FIREWALLS, DON'T BUY MORE

If internet traffic was not encrypted, you would get 100% throughput. However, with 85% of the internet in North America encrypted, **you will need 10x firewalls to get the same throughput.**



NSS Labs says typical NGFWs experience up to 90% performance degradation with decryption. Which means if a firewall does 18 Gbps of throughput pre-decryption, you will need 10 firewalls to match the originally “promised” performance of 18 Gbps...that is if we assume no load balancers are used.

WHY CHOOSE THUNDER SSLi FOR FIREWALL SCALING?

A10 Thunder® SSLi® enables organizations to analyze all data, including encrypted data, by intercepting SSL communications and sending it to third-party security devices like next-generation firewalls. With A10 Thunder SSLi you benefit from a smaller footprint, less complexity, and lower cost.



THUNDER 5840S

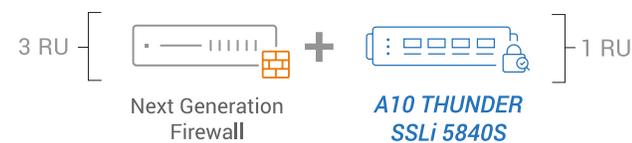
REDUCE YOUR FOOTPRINT BY 86%, IMPROVING ROI AND REDUCING TCO



Two appliances with a total size of 4RU vs ten appliances that take up 30RU of space.

WHY WOULD YOU DECRYPT ANY OTHER WAY?

SAVE OVER 63% MORE WITH A10'S HIGH-PERFORMANCE DECRYPTION SOLUTION IN COMPARISON TO SCALING WITH FIREWALLS ALONE



You would need a cluster of 10 NGFWs to achieve 18 Gbps of firewall inspection performance. Or a single NGFW with one A10 Thunder SSLi would give you the same inspection performance.

With A10 Thunder SSLi you benefit from a smaller footprint, less complexity, and lower cost.

Why pay more for less?

LEARN MORE

To learn more about how A10 Thunder SSLi can help enterprises make perimeter security devices more scalable and effective visit:

a10networks.com/ssli

ABOUT A10 NETWORKS

A10 Networks (NYSE: ATEN) provides Reliable Security Always™ through a range of high-performance solutions that enable intelligent automation with deep machine learning to ensure business critical applications are protected, reliable and always available. Founded in 2004, A10 Networks is based in San Jose, Calif., and serves customers globally with offices worldwide.

For more information, visit: a10networks.com or tweet [@A10Networks](https://twitter.com/A10Networks).

LEARN MORE

ABOUT A10 NETWORKS

CONTACT US

a10networks.com/contact

©2019 A10 Networks, Inc. All rights reserved. A10 Networks, the A10 Networks logo, ACOS, A10 Thunder, A10 Lightning, A10 Harmony and SSL Insight are trademarks or registered trademarks of A10 Networks, Inc. in the United States and other countries. All other trademarks are property of their respective owners. A10 Networks assumes no responsibility for any inaccuracies in this document. A10 Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice. For the full list of trademarks, visit: www.a10networks.com/a10-trademarks.

Part Number: A10-BR-20110-EN-02 FEB 2019