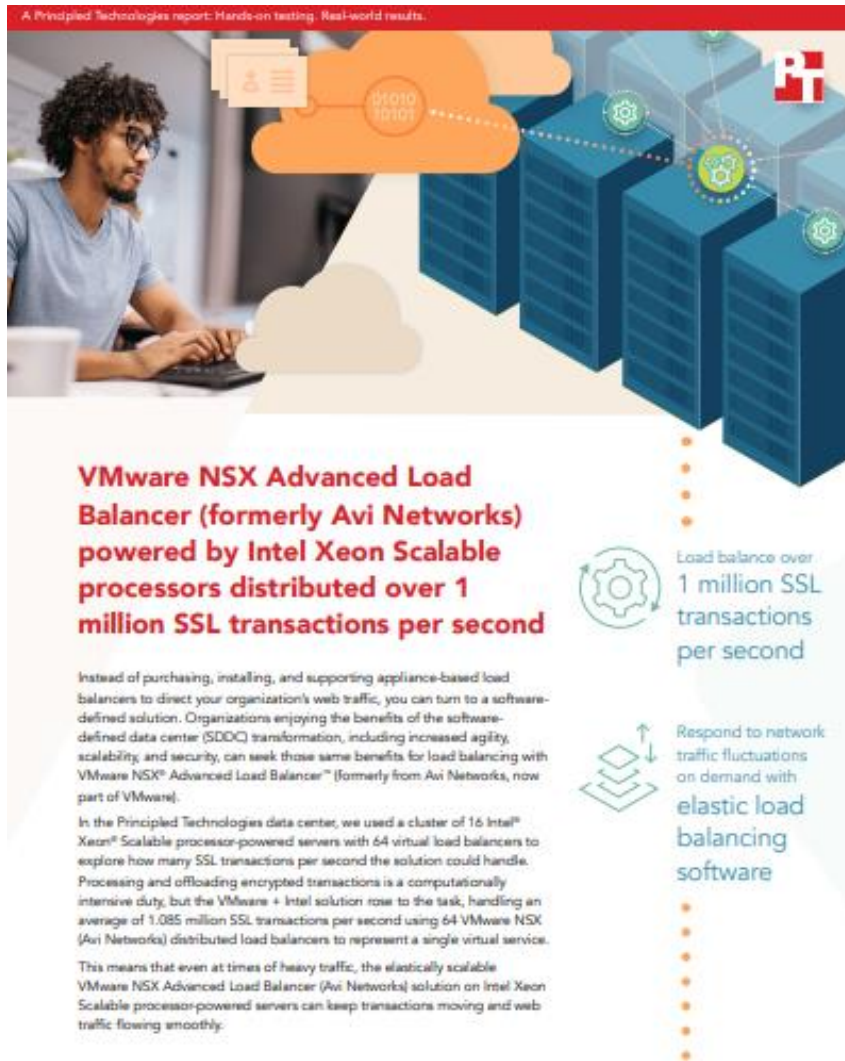# Principled Technologies Report

VMware NSX Advanced Load Balancer Benchmark Report (formerly Avi Networks) powered by Intel Xeon Scalable processors distributed over 1 million SSL transactions per second)

VMware NSX Advanced Load Balancer (formerly Avi Networks) powered by Intel Xeon Scalable processors distributed over 1 million SSL transactions per second

Instead of purchasing, installing, and supporting appliance-based load balancers to direct your organization's web traffic, you can turn to a software-defined solution. Organizations enjoying the benefits of the software-defined data center (SDDC) transformation, including increased agility, scalability, and security, can seek those same benefits for load balancing with VMware NSX® Advanced Load Balancer™ (formerly from Avi Networks, now part of VMware).

In the Principled Technologies data center, we used a cluster of 16 Intel® Xeon® Scalable processor-powered servers with 64 virtual load balancers to explore how many SSL transactions per second the solution could handle. Processing and offloading encrypted transactions is a computationally intensive duty, but the VMware + Intel solution rose to the task, handling an average of 1.085 million SSL transactions per second using 64 VMware NSX (Avi Networks) distributed load balancers to represent a single virtual service.

This means that even at times of heavy traffic, the elastically scalable VMware NSX Advanced Load Balancer (Avi Networks) solution on Intel Xeon Scalable processor-powered servers can keep transactions moving and web traffic flowing smoothly.

Load balance over
1 million SSL transactions per second

Respond to network traffic fluctuations on demand with
elastic load balancing software

VMware NSX Advanced Load Balancer (formerly Avi Networks) powered by Intel Xeon Scalable processors distributed over 1 million SSL transactions per second

April 2020

Moving from appliance-based load balancers to software-defined VMware NSX Advanced Load Balancers could enable your organization to modernize load balancing services with efficient use of standard computing infrastructure and reduce overprovisioning.