

# VMware View and Juniper Networks SA Series SSL VPN Solution

## Introduction

Customers today are looking to desktop virtualization to deliver desktop services to end-users across a variety of locations. These end-users not only reside on the Local Area Network (LAN) but there is an increasing demand for end-users across the Wide Area Network (WAN) to access desktops hosted in corporate datacenters.

As with other remote access technologies, PCoIP display protocol performance depends on the VPN performance, available network bandwidth and network latency. The WAN requirement can pose a challenge to IT organizations who not only need to deliver desktop services to these end-users but must also do so in a secure manner. For this requirement many customers have turned to SSL VPN solutions to provide secure connections to end-users accessing virtual desktops from branch and home office as well as other remote locations.

## VMware View

VMware® View™ delivers a desktop solution enabling end-users to access virtual desktops running in the corporate datacenter from a variety of devices and locations. Using VMware View with the PC-over-IP (PCoIP) display protocol end-users benefit from a rich desktop experience on the LAN as well as across the WAN.

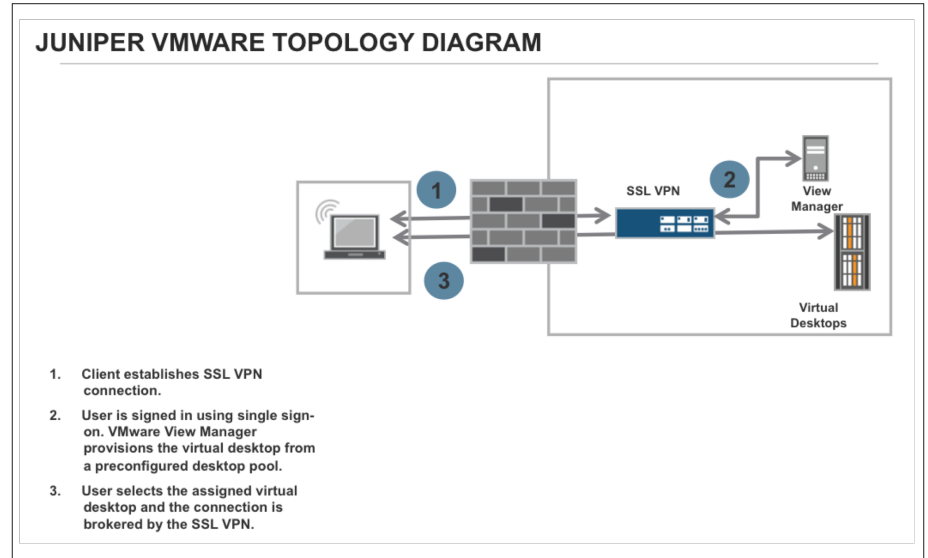
VMware is proud to work with partners like Juniper Networks who deliver solutions to enable secure connections to end-users based on SSL VPN technologies. With VPN solutions such as the Juniper Networks® SA Series SSL VPN Appliances using IPsec Encapsulation Security Payload (ESP), an end-user is able to connect with PCoIP from a remote location across an encrypted connection back to the datacenter where their desktop resides.

## Juniper Networks® SA Series SSL VPN Appliances

The Juniper Networks® SA Series SSL VPN Appliances interoperate with the VMware View Client, PCoIP display protocol and VMware View Manager, to provide remote users with secure, seamless-access to virtual desktops from remote locations. This interoperability allows administrators to configure centralized remote access policies for users who access their virtual desktops. It can also deliver the View Client to an end-user machine that does not already contain this software to help simplify access for end-users as well as simplifying deployments and desktop management for administrators.

This solution saves remote users time and improves their experience as they access their virtual desktops from remote locations. In addition, the Juniper Networks SA Series offers this functionality to any and all internal VMware View deployments and other popular applications behind the corporate firewall—all from a single platform.

Figure 1 below depicts how the SA Series works seamlessly with VMware's solution to access virtual desktops.



**Figure 1:** SA Series in VMware View environment

## Summary

VMware View with the Juniper Networks SA Series appliances provides remote end-users with a solution to securely and easily connect to virtual desktops running in the corporate datacenter. In addition to secure connectivity the SA series solution helps to simplify the login process by automating the delivery of the View Client and enabling SSO connectivity to the VMware View desktop and other applications behind the corporate firewall.

The Juniper Networks SA Series SSL VPN Appliances provide the following benefits for VMware View environments:

- A hardened security appliance, including Federal Information Processing Standards (FIPS) and Common Criteria solutions
- A single platform for all access methods
- A complete range of authentication methods: tokens, certificates, Lightweight Directory Access Protocol (LDAP), etc.
- SSO capability
- Support for PCoIP protocol and RDP
- Wide range of supported platforms
- Endpoint security scanning and validation
- Detailed administrative and user logging
- Integrated high availability

## Additional Resources

### VMware

VMware View Website

<http://www.vmware.com/products/view/>

VMware View Manager Datasheet

<http://www.vmware.com/files/pdf/VMware-View-Manager-4-DS-EN.pdf>

VMware View Documentation

[http://www.vmware.com/support/pubs/view\\_pubs.html](http://www.vmware.com/support/pubs/view_pubs.html)

### Juniper Networks

Juniper Networks SA Series Website

<http://www.juniper.net/us/en/products-services/security/sa-series/>

Juniper Networks SA Series Datasheets

<http://www.juniper.net/us/en/products-services/security/sa-series/>

Juniper Networks SA Series Documentation

<http://www.juniper.net/techpubs/software/ive/>

