



Mobile Secure Desktop

Maximum Scalability, Security and Availability for View with F5 Networks

HOW-TO GUIDE

Solution Overview

The VMware View Mobile Secure Desktop solution is a powerful architecture intended to serve the needs of mobile workers who change devices and access points frequently.

F5 Enhances the VMware View Mobile Secure Desktop Solution by improving security, scalability and availability.

Security

- Harden access security using a high performance, FIPS compliant SSL VPN
- Centralize access control for all your apps, not just View
- Simplify the login process for users

Scalability

- Scale from dozens to tens of thousands of users with Intelligent load balancing of View servers or pods
- Provide access to multiple View pods using a single name space for user simplicity
- Offload client-side SSL to improve performance of your View connection servers

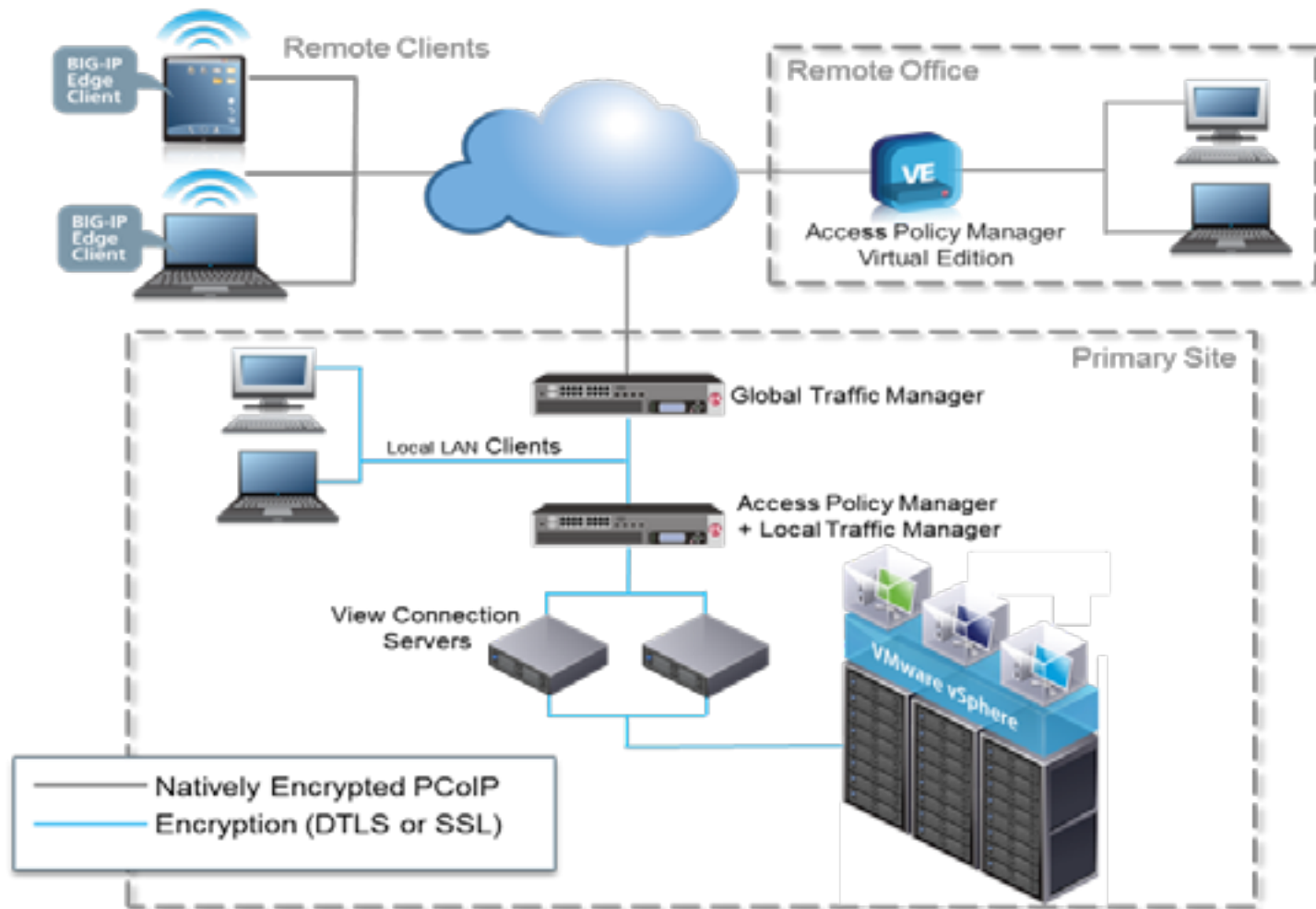
Availability

- Load balance between datacenters for HA or DR
- Leverage advanced persistence options to improve the user experience

Architecture & Design

This simplified network diagram represents a typical View deployment using F5 BIG-IP solutions.

There are a variety of clients for mobile devices including Android and iOS. Access Policy Manager can be used to control access to and from remote offices. GTM controls the DNS decision-making, and APM controls access to the primary site. In this scenario, APM replaces the View security server which is no longer a necessary component.



Validation Result

A large, growing energy company with extensive worldwide oil and gas assets across North America needed to improve remote access to applications for its field workers and executives. The company implemented an integrated solution that combines VMware View with the authentication and intelligent traffic management capabilities in F5® BIG-IP® technologies. Now, iPad users have secure access to the corporate network, remote users now have reliable anytime access, and the company benefits from the strong relationship between VMware and F5. The integrated solution, which offers employees modern desktop technology, also boosts performance and availability and enables consolidation of services.

“With BIG-IP APM and the BIG-IP® Edge Client® app, all of our remote users have the same easy access to VMware View, so they can stay productive while away from the office.”

- Customer Network Architect

“At first, they were focused on just providing SSL VPN remote access, but they soon saw that F5 brings an overall integration with VMware that they didn’t see with any other vendor.”

- Consulting Architect for VMware

Challenges

Provide network access for remote users

Efficiently manage multiple data centers

Benefits

- Gives remote users secure, reliable anytime access
- Improves performance, ensures availability
- Consolidates services and streamlines delivery

Solution Components Chosen

BIG-IP® Local Traffic Manager™

BIG-IP® Global Traffic Manager™

BIG-IP Access Policy Manager™

BIG-IP® Edge Client™ app



Design Components

This solution leverages three specific BIG-IP components:

BIG-IP Local Traffic Manager

BIG-IP LTM is an Application Delivery Networking system that provides intelligent load balancing and traffic management. It also brings advanced application security, acceleration, and optimization to both VMware View and all your other enterprise apps.

BIG-IP Global Traffic Manager

BIG-IP GTM is a high performance DNS solution that gives you full control over global site routing and security. It uses pre-defined business policies to intelligently and automatically route user access to applications based on a wide variety of active data.

BIG-IP Access Policy Manager

BIG-IP APM is a flexible, high-performance access and security solution that provides unified global access to all your business-critical applications and network.

All three products can run on the same hardware platforms and share the same ultra-high performance Traffic Management Operating System (TMOS). They are available in a wide variety of physical hardware platforms as well as virtual machines for vSphere.



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