Enabling a more agile desktop infrastructure

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IT agility. Your way.

Virtualization + Desktops + Network = VDI

- Many flavors of VDI
  - Most popular today – virtual desktop images delivered via the network

77% of those surveyed by InformationWeek Analytics are either **"actively using or testing VDI (42%) or assessing its benefits (35%)"**

(Research: VDI Adoption Trends)

Desktop virtualization edges out cloud in early interest for CIOs. A CIO Technology Priorities Study conducted in July 2010 indicated that Virtualization, Desktop PC (45%) was #1, followed by Cloud Computing Services (43%).

Challenges

- Scalability
- Security
- Performance

It's not VDI itself users hate; it's the reduced productivity.

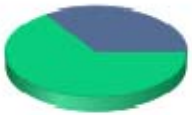
Barriers Clearing for VDI Adoption

Challenges	Benefits
• Increasing complexity of desktop and application management • Local hardware vulnerability • Security policy administration • Application and client OS incompatibilities	• Simplified management • Greater security • Faster, cheaper desktop recovery • Secure remote access and user data • Accelerated client sessions • Reduced bandwidth use • Server and site resilience

Solution: F5 Application Delivery

66% Use F5 BIG-IP For Scale & Growth

66% of surveyed IT organizations use their F5 BIG-IP to achieve scale and growth initiatives.



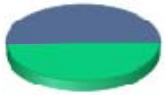
66%

Source: Survey of 198 F5 BIG-IP users

TechValidate

BIG-IP Enables Overall Availability Gains for Virtual Infrastructures

49% of IT organizations improved availability by combining server virtualization with F5 BIG-IP solutions.



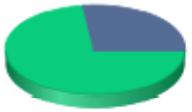
49% Claim Availability Gains

Source: Survey of 123 F5 BIG-IP users

TechValidate
TVID: 9DA-175-F63

Local Load Balancing Viewed as Critical for Virtual Infrastructure

73% of IT organizations consider F5's advanced local load balancing features important to the performance, availability and agility of their virtualized infrastructure.

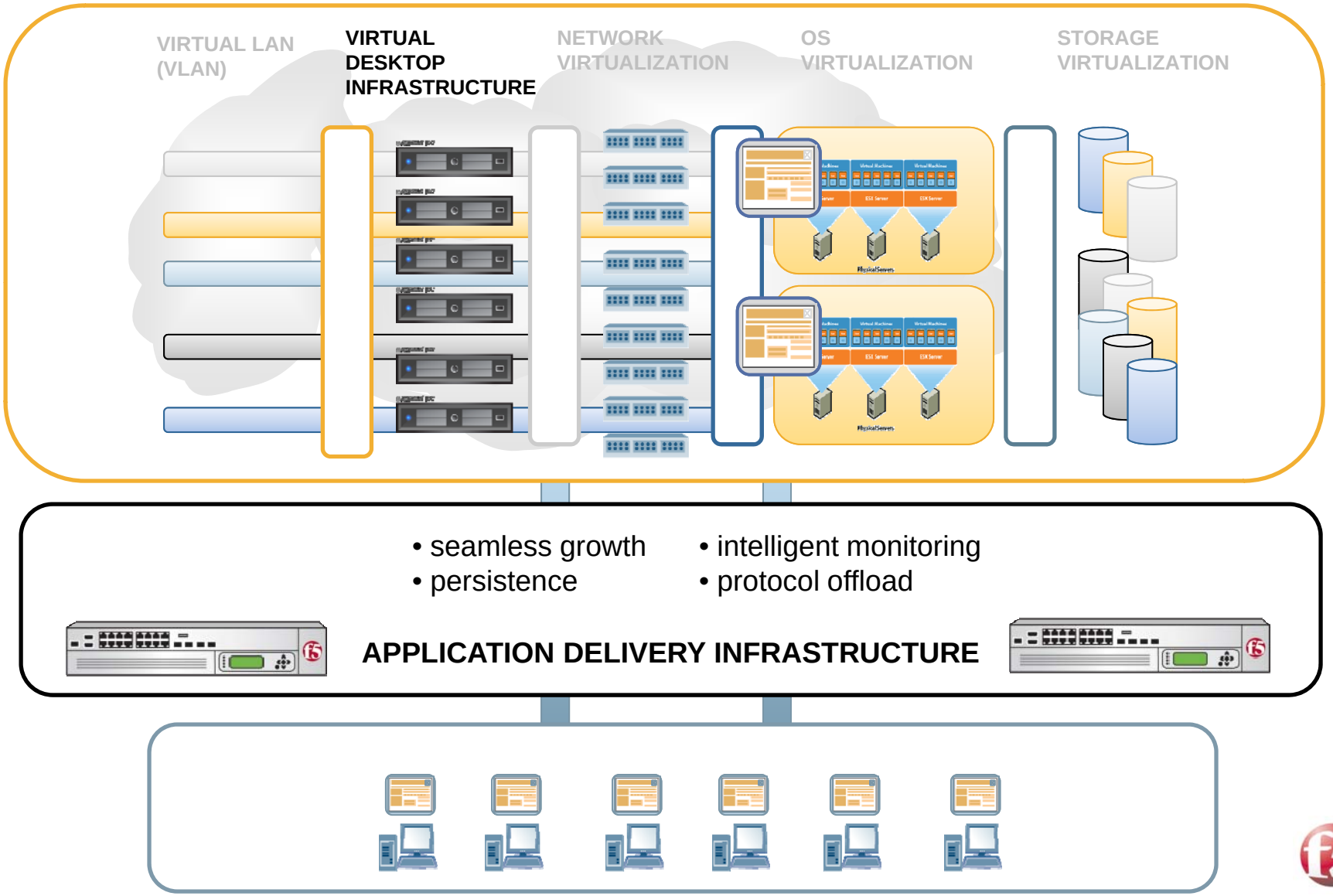


73% find load balancing critical to Virtual IT

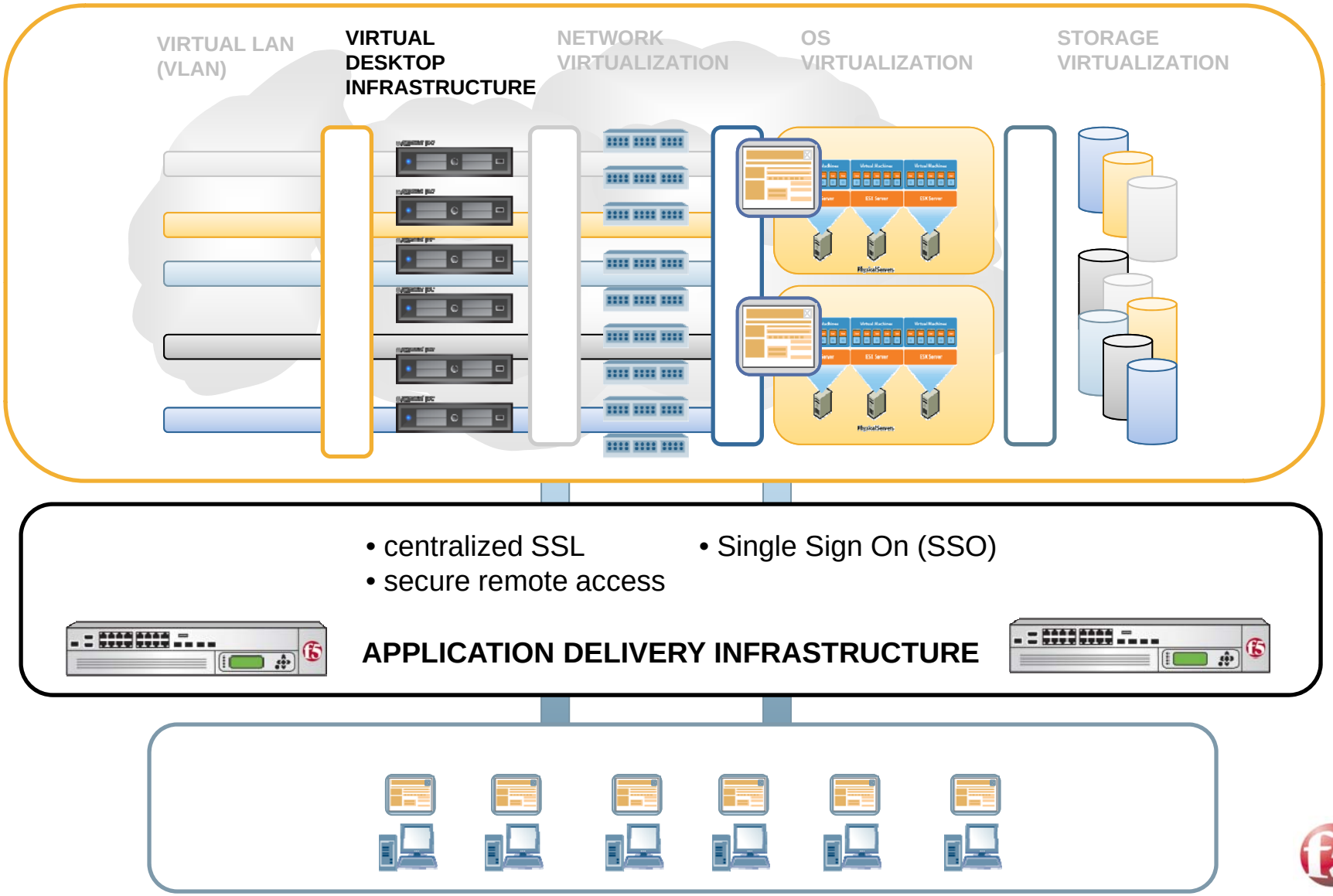
Source: Survey of 111 F5 BIG-IP users

TechValidate
TVID: 24A-E66-FBF

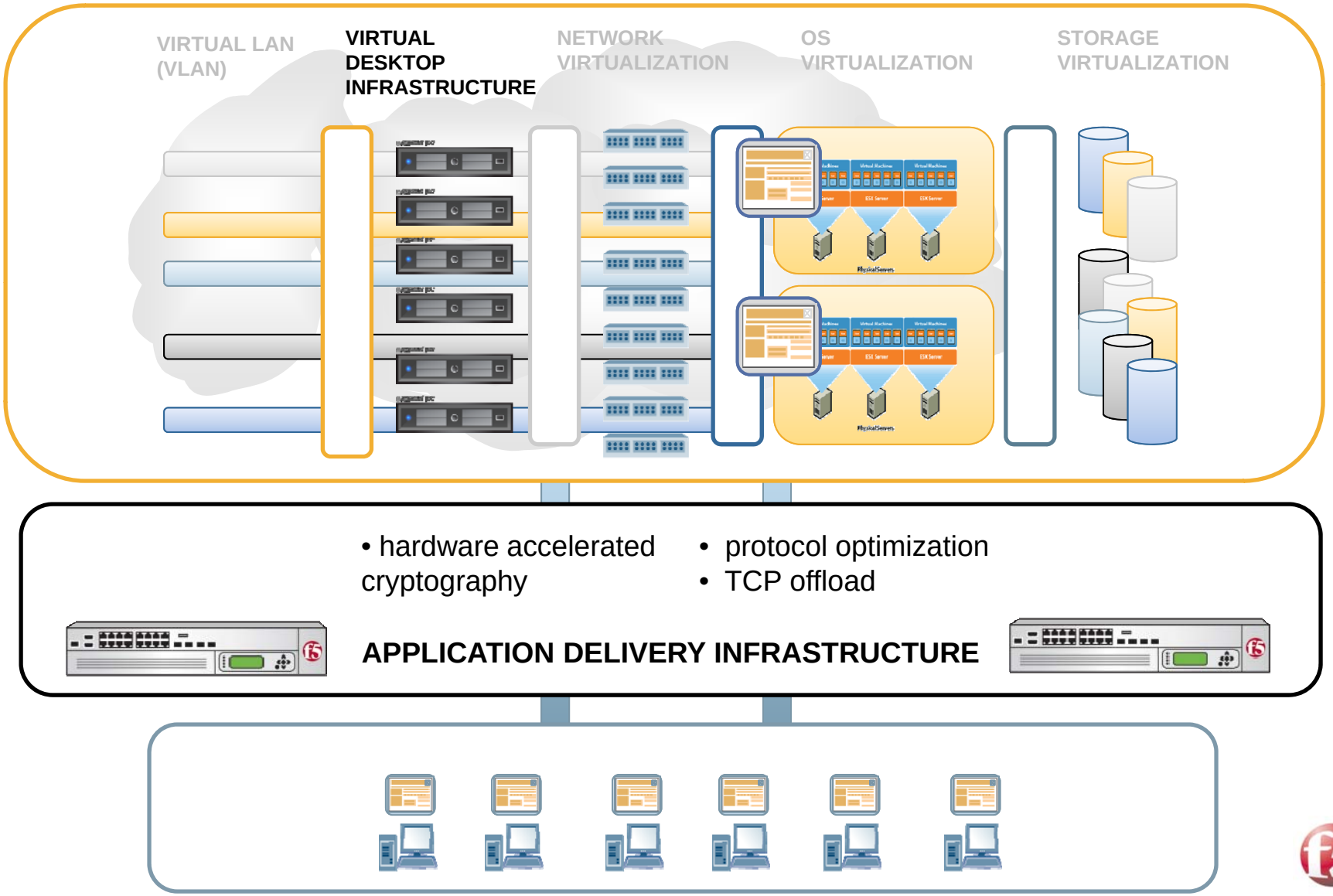
Scalability



Security


VIRTUAL LAN (VLAN)
VIRTUAL DESKTOP INFRASTRUCTURE
NETWORK VIRTUALIZATION
OS VIRTUALIZATION
STORAGE VIRTUALIZATION
• centralized SSL
• secure remote access
• Single Sign On (SSO)
APPLICATION DELIVERY INFRASTRUCTURE

Performance



VMware & F5

Key Features of F5 Solutions for View 4.5

- Improved User Experience
  - SSO, Better persistence, fast restarts, client QoS
- Simplified, Unified Security Administration
  - Unified AAA services with dynamic policy based on *context (*user, device, network, etc)
  - Secure remote access for PCoIP *at native speeds*
  - Extensive integration with AAA solutions
    - AD, LDAP, 2- and multi-factor, Client Certs, PKI, RSA, etc
  - Endpoint inspection of devices
- Local and Global High Availability and Scalability

Microsoft & F5

F5 Networks and Microsoft

- Delivering a strategic point of control
- Dynamic networking
- Application intelligence

Deployment with the Microsoft platform

- Remote Desktop Services
  - RD Session Host and Connection Broker
  - Remote Desktop Gateway (RDP tunnel over HTTPS)
  - Remote Desktop web access to
    - Applications via RemoteApp
    - Remote Desktop sessions
- Citrix integration
  - XenApp
  - ICA/HDX protocol support

Recap of F5 Solutions & VDI

- Simplify and accelerate the end user's logon experience through convenient single sign-on
- Lower the bandwidth needed for remote user deployments
- Reduce the amount of physical hardware required in your data center
- Improve the overall performance and security of your VDI infrastructure

F5 Resources

Many white papers, case studies, deployment guides available for your use

- Desktop Virtualization

  http://www.f5.com/solutions/virtualization/desktop/

- VMware View

  Solution Overview: F5 & VMware View

  White Paper: Deploying F5 Application Ready Solutions with VMware View 4.5

  Deployment Guide: Deploying BIG-IP Edge Gateway and BIG-IP LTM with VMware View

  http://www.f5.com/solutions/applications/vmware/view/

- Microsoft Virtualization

  White Paper: Delivering Virtual Desktop Infrastructure with a Joint F5-Microsoft Solution

  http://www.f5.com/solutions/applications/microsoft/virtualization/

- DevCentral

  Global Online Community to help you get more from your F5 technologies

  http://devcentral.f5.com

IT agility. Your way.