Dell Wyse Datacenter for View RDS Desktops and Remote Applications

An overview of Remote Desktop Session (RDS) based desktops and Remote Applications in a VMware Horizon View environment

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## Revisions

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<tr>
<th>Date</th>
<th>Description</th>
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<tr>
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<td>Initial release v.6.5.0</td>
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Introduction

In today’s fast-paced information-driven economy, a business’ ability to efficiently leverage the power of technology plays a critical role in developing and maintaining competitive advantages. As the mid-market slowly returns to profitability, successful organizations are utilizing lean business methodologies to increase efficiency, boost production, and reduce administrative overhead and cost. The IT pendulum has swung back towards the centralized computing model. Application delivery methods have taken center stage in effort to streamline IT operations, cut costs, and reduce administration. The centralized computing model is not a new concept; IT has come a long way from the days of mainframes, and traditional Terminal Services based delivery solutions. Virtual desktop solutions, such as VMware’s Horizon suite of products, have revolutionized how businesses are delivering line of business applications to their employees, reducing administrative costs, improving technology life-cycle, and expanding the reach of applications.

What’s new with RDS based desktops in View 6?

VMware Horizon View delivers desktop services from your cloud to enable end user freedom and IT management and control. With Horizon View, IT can simplify and automate the management of thousands of desktops and securely deliver desktops as a service to users from a central location at levels of availability and reliability unmatched by traditional PCs. By delivering secure access to applications and data to any device when and where users need it. Horizon View gives end users maximum mobility and flexibility. The latest release of VMware Horizon View delivers a number of important new features and enhancements. VMware Horizon View 6 focuses on:

- The ability to create and access Remote Desktop Session (RDS) based desktops using PCoIP.
- A robust way to access one or more remote applications (Application Remoting) seamlessly from any Horizon View Client using PCoIP.

Integration with RDS based desktops

RDS uses the capabilities of Microsoft RDS to allow multiple users to connect to a single operation system (OS) but have separate, private desktop instances and applications. With RDS you can display a full desktop or an application without all the desktop stuff around it. You don’t need as many OS instances which means better resource utilization as well as fewer Microsoft licenses.

Support for RDS or Terminal Server based desktops have always existed in Horizon View but it lacked VMware’s PCoIP display protocol. With this new release, it is clearly demonstrates that VMware has worked closely with Microsoft to build their own protocol provider for RDS. With their own protocol provider, VMware is able to integrate graphics and protocol stacks such as Blast with PCoIP. This eventually enabled other remote capabilities which VMware provides with the Blast user experience on virtual desktops.

VMware Horizon View 6 provides ability to create farms, which are groups of Remote Desktop Session Host (RDSH) servers hosting applications or desktops. Within View, application pools are created and used to organize application entitlement for users or groups. Application pools can be created automatically.
using applications discovered across farms. Unique applications that are not registered or started using scripts can also be created manually. Applications can be mixed with hosts serving RDS desktops. Applications can come from multiple farms and a user can also access multiple applications simultaneously. More importantly, you can integrate and manage Microsoft RDS desktops and applications from within Horizon View 6 administrator console.

Seamless Remote Application experience

Remote Application enables you to make programs that are accessed remotely through Remote Desktop Services appear as if they are running on the end user’s local computer. Instead of being presented to the user in the desktop of the RDSH server, the Remote Application program is integrated with the client’s desktop. The Remote Application program runs in its own resizable window, can be dragged between multiple monitors, and reduces resource utilization on the virtual desktop.

VMware now allows seamless access to Windows Applications and Desktops from many clients, basically whatever can run the Horizon View Client (Windows, Mac, IOS and Android) Applications will be installed on Microsoft RDSH server. A unified workspace is also possible though Horizon Workspace integration, this allows you to present VDI Desktops, RDSH Desktops/Applications as well as all your SaaS applications, Citrix XenApp published applications, local ThinApps, Office 365 and other applications all within a single workspace.

![Figure 1] VMware Horizon Workspace

The new Horizon View Client will now be able to display full VDI Desktops, RDSH desktops and RDSH Applications.
Benefits of Remote Application

- Gives users access to applications seamlessly from anywhere and any client computer or device.
- Reduced application deployment complexity.
- Increased application data security.
- Faster and easier application updates.
- Increased flexibility and data security for outsourced deployments.
- Reduced licensing costs.
- Support for multiple versions of the same application

Conclusion

RDS based desktops and the Remote Application platform offers a convenient, safe and secure method for your offsite employees, contractors, and selected external users to obtain controlled access to your internal applications and resources. It supports a broad range of client devices without having to rewrite applications for different platforms and the client devices can run a variety of operating systems such as Windows, iOS, Mac OS, or Android.