



## Joint Cisco and VMware® Solution for Optimizing Virtual Desktop Delivery



Cisco Wide Area Application Services and Application Control Engine Optimize Delivery of VMware Virtual Desktop Infrastructure Across the Enterprise

### What You Will Learn

Cisco® Wide Area Application Services (WAAS) and Cisco Application Control Engine (ACE) with VMware® Virtual Desktop Infrastructure (VDI) reduces the cost and complexity of managing desktops by optimizing virtual desktop delivery over the WAN while avoiding costly bandwidth upgrades.

- This jointly validated solution improves employee productivity by combining VMware VDI for virtualizing and centralizing desktops and Cisco WAAS for compressing and accelerating Microsoft Remote Desktop (RDP) and optimizing branch-office printing.
- Cisco WAAS increases the scalability and number of VMware VDI users supported over the WAN, and Cisco ACE improves the availability and scalability of data center VMware VDI.
- Enterprise business continuity is improved by reducing the amount of time required for backup and replication of data center VMware VDI.

### Business Challenges

Customers use desktop virtualization solutions such as VMware VDI to replace traditional PCs with virtual machines that are managed from the data center to reduce operating costs, increase control of desktop management, and extend business continuity and disaster recovery to enterprise desktops.

However, when desktop virtualization solutions are deployed over the WAN, latency and bandwidth constraints limit the effectiveness of virtual desktop solutions. Customers face the following challenges in deploying virtual desktop solutions for the enterprise:

- Poor performance of RDP over the WAN, affecting employee productivity
- High bandwidth consumption, increasing solution costs
- Limited scalability, reducing the number of users that can be supported
- Poor performance of centralized printing and increased costs of printing at the branch office
- Considerable time and bandwidth required for transfer of virtual images, affecting business continuity
- Need to maintain continuous availability within and across the data center for the VMware VDI solution



















For more information, visit: [www.vmware.com](http://www.vmware.com)



Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 527-0883



VMware, Inc  
3401 Hillview Ave  
Palo Alto, CA 94304  
USA  
[www.vmware.com](http://www.vmware.com)  
Tel: 1-877-486-9273 or 650-427-5000  
Fax: 650-427-5001

Copyright © 2008. VMware, Inc. All rights reserved. Protected by one or more U.S. Patent Nos. 6,397,242, 6,496,847, 6,704,925, 6,711,672, 6,725,289, 6,735,601, 6,785,886, 6,789,156, 6,795,966, 6,880,022, 6,944,699, 6,961,806, 6,961,941, 7,069,413, 7,082,598, 7,089,377, 7,111,086, 7,111,145, 7,117,481, 7,149, 843, 7,155,558, 7,222,221, 7,260,815, 7,260,820, 7,269,683, 7,275,136, 7,277,998, 7,277,999, 7,278,030, 7,281,102, 7,290,253, 7,356,679 and patents pending.

Cisco, the Cisco logo, and Cisco Systems are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries. All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company.  
(0807R) C11-494994-00 09/08