



Connection Broker Comparison

Patrick Rouse

Sr. Sales Engineer

Patrick.Rouse@quest.com

Ken Davidson

Sr. Sales Engineer

Ken.Davidson@quest.com

Quest Software

Provision Networks Division

11720 Sunrise Valley Drive

First Floor

Reston, VA 20191

www.quest.com

www.provisionnetworks.com

© 2008 Quest Software, Inc. ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software, Inc.

If you have any questions regarding your potential use of this material, contact:

Quest Software World Headquarters

LEGAL Dept

5 Polaris Way

Aliso Viejo, CA 92656 USA

Web Site: www.quest.com

Email: legal@quest.com

Refer to our Web site for regional and international office information.

TRADEMARKS

Quest, Quest Software, the Quest Software logo, Quest Software Provision Networks Division, Quest Software Provision Networks Division logo, Provision Networks, Virtual Access Suite (VAS), VAS Connection Broker, are trademarks and registered trademarks of Quest Software, Inc. Other trademarks and registered trademarks used in this guide are property of their respective owners.

Disclaimer

The information in this document is provided in connection with Quest products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest products. EXCEPT AS SET FORTH IN QUEST'S TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest does not make any commitment to update the information contained in this document.

Notes

This information has been compiled through intelligence gathering by Quest Software's Provision Networks Division. Quest Software does not guarantee accuracy of feature-set of non-Quest Software's products. The VDI market is quite dynamic and feature-sets are in a constant state of change.

Version

Quest Software, Provision Networks Division

Virtual Access Suite Enterprise Edition

Document updated – May 24, 2008 at 9:22:51 AM

Software Version – Virtual Access Suite 5.10 (Includes features that are projected to be available in VAS 5.11 and 6.0)

Table of Contents

Hypervisor Support	4
Connection Broker Features	4
Database	6
Management Console	6
User Environment Configuration	7
Clients.....	8
Client Features	8
Display Protocol	9
Printing.....	10
Security Features	10
Licensing & Pricing Details	10

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Hypervisor Support			
Hypervisor Agnostic	Yes	No	No
Integration with and automation of VMware ESX and Virtual Center	Yes	Yes	No
Integration with and automation of Microsoft Hyper-V	Yes	No	Yes
Integration with and automation of Virtual Iron	Yes	No	No
Integration with and automation of Citrix XenServer	No	No	Yes
Integration with and automation of Parallels Virtuozzo	5.11 - Q3 2008	No	No
Extends Vendor's Native Management Features	Yes	No	No
Can manage VMs w/o vendor's management console	Yes	No	No
Connection Broker Features			
Temporary Desktop Assignment	Yes	Yes	Yes
Permanent Desktop Assignment	Yes	Yes	Yes
Dynamic Auto-Expansion of Managed Desktop Group	Yes	No	No
Dynamic Auto-Creation of VMs	Yes	No	No
Dynamic Management of Remote Desktop Users Group	Yes	No	No
Set Min/Max Number of Desktops per Managed Desktop Group	Yes	Yes	No
Cross-Group Desktop Naming Convention	Yes	No	No
Connect users to Seamless Applications on XP Pro, Vista VMs, or Physical PCs	Yes	No	No
Connect users to Desktops of XP Pro or Vista VMs	Yes	Yes	Yes
Connect users to Desktops of Physical PCs	Yes	No	Yes

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
VDI Creation/Deletion of associated AD Computer Objects	Yes	No	No
VDI VM Power Management	Yes	Yes	Yes
VDI VM AD Object Creation in specific OU	Yes	No	No
VDI Connection Broker Load Tester	Yes	No	No
VDI Batch VM Creation	Yes	Yes	Yes
VDI Batch VM Creation across multiple ESX Resource Pools and Data Stores	Yes	No	No
Broker Verifies free sufficient space exists on Data Store before creating VMs	Yes	No	No
Power Manage Physical PCs	Yes	No	No
Assign users to Power Users or Administrators Group (dynamically)	Yes	No	No
Built-in load balancing of connection brokers	Yes	No	No
Task Scheduler to Power Management	Yes	No	No
Task Scheduler to Logoff or Reset Sessions	Yes	No	No
Task Scheduler for MSI Package Deployment	Yes	No	No
Task Scheduler for VM Cloning or VM Deletion	Yes	No	No
Task Scheduler to Copy Files, Run Script or Program on Desktop	Yes	No	No
Server Provisioning, i.e. Broker, TS, DB...	Yes	No	No
Broker manages connections to Windows Terminal Servers	Yes – Enterprise Ed.	No	Yes – Platinum Edition
Boot Multiple VMs to a single vDisk	5.11 - Q3 2008	No	Yes - Enterprise & Platinum

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Database			
Centralized Configuration Database	Yes	No	Yes
Specify Database Replica	Yes	No	No
Configuration Database Contents Readable without API	Yes	No	No
Integration with ADAM	No	Yes	No
Supports Logical / Geographical Zones	5.11 - Q3 2008	No	Yes
Reporting / Metrics DB	6.0 - Q4 2008	No	Yes
Configuration History DB	6.0 - Q4 2008	No	Yes
Management Console			
Tools integrated into one console	Yes	No	No
Method of desktop\application assignment:			
AD User	Yes	Yes	Yes
AD Group	Yes	Yes	Yes
AD Organizational Unit	Yes	No	No
IP Address or subnet	Yes	No	No
Device name	Yes	No	No
Disable Desktop - Right Click Option	Yes	No	No
Disable Managed Desktop Group - Right click option	Yes	No	No
Filter and sort VMs to ease management	Yes	No	Yes
Management Console Integrates w/ Microsoft SoftGrid	Yes	No	No
Management Console includes Sysprep Customization	Yes	No	No

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Real-time Enumeration of a VM's Running Processes	Yes	No	No
Push MSI Packages to VMs	Yes	No	No
Publish/Unpublish Multiple Applications In one Task	Yes	No	No
Configure Session Auto-Logoff (if certain apps are hung)	Yes	No	Yes
Restrict access to VMs by Day of Week & Time of Day	Yes	No	No
MMC	6.0 - Q4 2008	No	Yes
Granulated Delegated Administration	6.0 - Q4 2008	No	Yes
Scriptable Management Console	6.0 - Q4 2008	No	Yes
User Environment Configuration			
Assign Time zone	Yes, VDI in 5.11 - Q3 2008	No	No
File and Registry Redirection	Yes, VDI in 5.11 - Q3 2008	No	No
Virtual Channel Policies	Yes, VDI in 5.11 - Q3 2008	No	Yes
Granular Hybrid Profile Management	Yes, VDI in 5.10 SP1 - June 2008	No	No
Assign Network Printers with Universal Driver	Yes, VDI in 5.11 - Q3 2008	No	No
Remove Desktop Shortcuts, Mapped Drives & Mapped Printers	Yes, VDI in 5.11 - Q3 2008	No	No
Create / Delete Registry Values / Keys	Yes, VDI in 5.11 - Q3 2008	No	No
Manage Environment with any ADM Template w/o GPO	Yes, VDI in 5.11 - Q3 2008	No	No

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Restrict Access to Applications by Day of Week & Time of Day	Yes, VDI in 5.11 - Q3 2008	No	No
Restrict Access to specific Applications	Yes, VDI in 5.11 - Q3 2008	No	No
Restrict Access to Specific Hosts, IP Addresses & TCP Ports	Yes, VDI in 5.11 - Q3 2008	No	No
Map Network Drives via Policy	Yes, VDI in 5.11 - Q3 2008	No	No
Clients			
CE Client (5.0 & 6.0)	Yes	No	Yes
Java Client	Yes	Yes	Yes
Linux Client	Yes	No	Yes
Sun Client	Yes	No	Yes
Win32 Client	Yes	Yes	Yes
Web Client	Yes	Yes	Yes
Desktop Integration Client	Yes	No	Yes
PXE Boot Linux Client	Yes	No	No
USB Boot Linux Client	Yes	No	No
Live CD Linux Client	Yes	No	No
Wyse Thin OS Client	Yes	Yes	Yes
Web Interface Application Portal	Yes	Yes	Yes
Web Interface is customizable	Yes	No	Yes
Client Features			
Multi-Monitor Support (not just spanning)	Yes	No	Yes

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Seamless Application Support	Yes	No	No
Linux client drive mapping	Yes	No	Yes
Linux client printer mapping	Yes	No	Yes
Java client drive mapping	Yes	No	Yes
Java client drive mapping	Yes	No	Yes
USB Sync for Handhelds	Yes	Yes	Yes
Universal USB Device Support	5.11 - Q3 2008	Yes	No
USB Support Requires Administrator Rights	No	Yes	No
USB Scanner Support	5.11 - Q3 2008	Yes	No
Bi-directional Audio / Microphone Redirection	Yes – Experience Optimization Pack	No	Yes
Latency Masking for Typing	Yes – Experience Optimization Pack	No	Yes
Display Protocol			
Microsoft RDP	Yes	Yes	No
Microsoft RDP - Enhanced	Yes	No	No
Citrix ICA	No	No	Yes
Dynamic Image Compression	5.11 - Q3 2008 - Experience Optimization Pack	No	Yes
Windows Media Redirection to Client CODEC	Yes – Experience Optimization Pack	No	No
Flash Media Redirection to Client CODEC	5.11 - Q3 2008 - Experience Optimization Pack	No	No

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
HP RGS Protocol Support	5.11 - Q3 2008 - Experience Optimization Pack	No	No
Printing			
Universal Printer Driver for Network Printers (assigned via console)	Yes, VDI in 5.11 - Q3 2008	No	No
Universal Printer Gateway – Remote Relay Printing	Yes, VDI in 5.11 - Q3 2008	No	No
Universal Printer for VDI	Yes	No	Yes
Universal Printer Bandwidth Throttling	Yes	No	Yes
Universal Printer Intelligent Font Embedding	Yes	No	No
Configurable Compression Settings	Yes	No	No
Universal Printer Supports EMF and PDF	Yes	No	No
Print to PDF & send to client File System or Email Client	Yes	No	No
Security Features			
SSL Reverse Proxy / Gateway	Yes	Yes	Yes
Allow access via Connection Broker only	Yes	No	No
Kerberos Authentication	Yes	No	No
Secondary Authentication (Smart Card)	Yes	Yes	No
Licensing & Pricing Details			
Concurrent User License Cost	\$50 (Desktop Svcs. - VDI) \$99 (Enterprise – VDI + Terminal Services)	\$50	\$75 (Standard) \$195 (Enterprise) \$295 (Platinum)

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
Experience Optimization Pack: Includes microphone redirection, local text echo and Windows Media Redirection (Flash redirection, image compression and support for different display protocols in future versions) and will require a separate license.	\$40	N/A	N/A
Gold Maintenance: Per concurrent user - Includes Software Assurance (updates, upgrades, etc.) and phone-based technical support (Monday through Friday, 9:00 am - 5:00 pm single time zone local to customer install) for 1 year. 2 and 3 year support options are available.	\$10 (VDI) \$20 (Enterprise)	N/A	N/A
Platinum Maintenance: Per concurrent user - Includes Software Assurance (updates, upgrades, etc.) and phone-based technical support around the clock (7x24x365) for 1 year. 2 and 3 year support options are available.	\$13 (VDI) \$25 (Enterprise)	N/A	N/A
Citrix Subscription Advantage. Support not included.	N/A	N/A	\$15 (Per named user)
Citrix Preferred 25 Support: Up to 25 Incidents, in one Region, during each 1 year term. Basic Coverage Hours (Monday through Friday from 8:00 a.m. to 6:00 p.m. relative to Customer's time zone within the Continental U.S., and excludes Citrix observed holidays posted on www.citrix.com). 2 Named Contacts. Monthly Technical Newsletter and Quarterly Webcasts.	N/A	N/A	\$7,500 (\$300 per incident)
Citrix Preferred Extend: Up to 50 Incidents, in one Region, during each 1 year term. 24x7 Round-the-Clock Coverage Hours. 4 Named Contacts. Monthly Technical Newsletter. Quarterly Webcasts	N/A	N/A	\$25,000 (\$500 per incident)
Citrix Preferred Plus: Up to 75 Incidents, in one Region, during each 1 year term. 24x7 Round-the-Clock Coverage Hours. 6 Named Contacts. Monthly Technical Newsletter. Quarterly Webcasts. 1 Assigned TRM for Relations Management Services.	N/A	N/A	\$60,000 (\$800 per incident)

Connection Broker Feature Comparison	Quest Software Provision Networks Virtual Access Suite	VMware VDM2	Citrix XenDesktop
VMware VDM 2.0 for 100 desktops + Gold (12x5) 1 Year Support. Additional 2 and 3 year support options are available.	N/A	\$6,050.00 (\$60.50 per VDM license)	N/A
VMware VDM 2.0 for 100 desktops + Platinum (24x7) 1 Year Support. Additional 2 and 3 year support options are available.	N/A	\$6,250.00 (\$62.50 per VDM license)	N/A