

VIRTUAL DESKTOP INFRASTRUCTURE SOLUTION COMPARISON	PROVISION NETWORKS	LEOSTREAM	DUNES	PROPERO	CITRIX CONNECTION BROKER
<b>INFRASTRUCTURE FEATURES</b>					
Integration with VMware Virtual Center	Yes	Yes	Yes	Yes	No
Broker acts connection "proxy"	No	No	No	No	Yes
Protocol employed	RDP w/ PN extensions	RDP	RDP	RDP	Double-hop; RDP over ICA
Number of brokers supported for scalability	Unlimited	16 (requires 3rd party HA / LB)	(?)	(?)	As many Presentation Servers as are present
Broker database caching	Yes	No	No	No	No
<b>VM GROUP MANAGEMENT</b>					
<b>VM Group Creation</b>					
- # of VMs in the group	Yes	Yes	Yes	Yes	No
- # of VMs to create simultaneously	Yes	No	Yes	No	No
- Target VMware resource pool for VM creation	Yes	Yes	Yes	Yes	No
- Sysprep customization	Yes	Yes	Yes	Yes	No
- Date / time for VM creation	Yes	No	No	No	No
<b>VM deletion</b>					
Yes	Yes	Yes	Yes	Yes	No
<b>VM suspension</b>					
Yes	No	No	No	No	No
<b>VM power-off</b>					
Yes	Yes	Yes	Yes	No	No
<b>VM status reporting (powered off / on, suspended)</b>					
Yes	off / on	off / on	off / on	No	No
<b>VM session status reporting (logged-on user)</b>					
Yes	Yes	Yes	Yes	Yes	No
<b>VM GROUP POLICIES</b>					
<b>Access is granted / denied via ACLs</b>					
Yes	No	No	No	No	Yes
<b>Temporarily assign a free VM to the user upon logon</b>					
Yes	Yes	Yes	Yes	Yes	Yes
<b>Permanently assign a free VM to the user upon logon</b>					
Yes	No	No	No	No	Yes
<b>If assignment is permanent, grant user VM privileges:</b>					
- Add user to the Administrator or Power Users group					
Yes	No	No	No	No	Yes
<b>Specify VM group expiration date. Upon expiration:</b>					
- Suspend member VM					
Yes	No	No	No	No	No
- Power off member VM					
Yes	No	Yes	No	No	No
- Delete member VM					
Yes	No	Yes	Yes	Yes	No
- Specify access hours (by day and hour)					
Yes	No	No	No	No	No
<b>VM POLICIES</b>					
<b>VM may be permanently pre-assigned to a user</b>					
Yes	Yes	No	No	No	No
<b>Upon logoff, VM may be suspended or powered off</b>					
Yes	powered off	powered off	powered off	powered off	No
<b>Specify VM expiration date. Upon expiration:</b>					
- Suspend VM					
Yes	No	No	No	No	No
- Power off VM					
Yes	No	Yes	No	No	No
- Delete VM					
Yes	No	Yes	Yes	Yes	No
- Specify access hours (by date and hour)					
Yes	No	No	No	No	No
- Add user to the Administrator or Power Users group					
Yes	No	No	No	No	Yes
<b>VIRTUAL CHANNEL POLICIES</b>					
<b>Grant / deny access to client-side resources</b>					
- Drives					
Yes	No	No	No	No	No
- Printers					
Yes	No	No	No	No	No
- Handhelds / PDAs					
Yes	No	No	No	No	No
- Serial Ports					
Yes	No	No	No	No	No
- Smartcards					
Yes	No	No	No	No	No
- Audio					
Yes	No	No	No	No	No
<b>APPLICATION / DESKTOP DELIVERY</b>					
<b>Full desktop publishing</b>					
Yes	Yes	Yes	Yes	Yes	Yes
<b>Individual application publishing</b>					
Yes	No	No	No	No	No
<b>Desktop integration (push application icons onto client device)</b>					
Yes	No	No	No	No	No
<b>Desktop and application publishing to VM groups</b>					
Yes	Desktop	Desktop	Desktop	Desktop	Desktop
<b>Access is granted or denied to desktops / applications via ACLs</b>					
Yes	No	No	No	No	No
<b>Application streaming</b>					
- Integration with Microsoft SoftGrid					
Yes	No	No	No	No	No
<b>FAULT MANAGEMENT</b>					
<b>If a user's permanent VM fails to start, a temp VM is assigned from group</b>					
Yes	No	No	No	No	No
<b>Once original VM is available, user is redirected to it on future logons</b>					
Yes	No	No	No	No	No
<b>SECURITY</b>					
<b>Integrated SSL VPN</b>					
Yes	No	No	Yes	Yes	Requires Citrix Access Gateway
<b>Single Sign-On</b>					
Yes	Yes	No	Yes	Yes	Requires Citrix Password Manager
<b>Kerberos authentication</b>					
- Credentials pass-through					
Yes	Yes	No	Yes	Yes	No
- Smartcard support					
Yes	No	No	No	No	No
<b>Two-factor authentication</b>					
- Integration with RSA SecurID					
Yes	No	No	No	No	Yes
- Integration with Secure Computing PremierAccess					
Yes	No	No	No	No	Yes
- Integration with any RADIUS-compliant solution					
Yes	No	No	No	No	Yes
<b>Access Control Lists</b>					
- Containers of user accounts, groups and OUs					
Yes	No	No	No	No	Yes

VIRTUAL DESKTOP INFRASTRUCTURE SOLUTION COMPARISON	PROVISION NETWORKS	LEOSTREAM	DUNES	PROPERO	CITRIX CONNECTION BROKER
<b>Remote Password Reset</b>					
- Allows users to reset expired passwords prior to logon	Yes	No	No	No	No
<b>CLIENT DEVICE SUPPORT</b>					
Windows 32-bit (9x/Me/2000/XP/XPe)	Yes	Yes	Yes	Yes	Yes
Windows CE	Yes	No	No	No	Yes
Java / Linux client	1Q07	Linux	Linux	Java	Yes
<b>END-USER EXPERIENCE</b>					
Seamless windows	Yes	No	No	No	No
Session sharing (publisbed apps share the same VM session)	Yes	No	No	No	No
Screen resolutions	4096 x 2048	1600 x 1200	1600 x 1200	1600 x 1200	1600 x 1200
Multi-monitor support	Yes	No	No	No	No
Application publishing	Yes	No	No	No	No
Desktop publishing	Yes	Yes	Yes	Yes	Yes
Desktop integration	Yes	No	No	No	No
Web interface	Yes	Yes	Yes	Yes	Yes
Content publishing (content will trigger app to launch on client device)	Yes	No	No	No	No
Universal print driver	Yes	No	No	No	No
<b>USB PDA redirection</b>					
- BlackBerry (Desktop Manager)	Yes	No	No	No	No
- Palm (HotSync)	Yes	No	No	No	No
- PocketPC (ActiveSync)	Yes	No	No	No	No
Scanner redirection	1Q07	No	No	No	No
Latency reduction (local text echo and mouse click feedback)	1Q07	No	No	No	No
<b>CONSOLIDATION MODELS</b>					
Virtual Desktops	Yes	Yes	Yes	Yes	Yes
Terminal Services (shared desktops)	Yes	No	No	No	No
Blade PCs	1Q07	No	No	No	Yes
<b>NOTES:</b>					
- This information has been compiled through intelligence gathering by Provision Networks					
- Provision Networks does not guarantee accuracy of feature-set of non-Provision Networks products					
- Note that the VDI market is quite dynamic and feature-sets are in a constant state of change					