

XenDesktop vs VMware View Head-2-Head

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Agenda

- Company Positioning
- Considerations
- Components
- Differences
- What's Coming
- Our Take



VDI FAIL

Seriously how the hell do you manage that?

The Companies

Citrix & VMware

- What is their Vision?
- How do they see the world?
- What is their thought leadership?
- Where is their VDI portfolio headed?

Things to Consider

*according to Gartner**

- VMware & Citrix own approx. 90% of the HVD market
- VMware takes advantage of existing ESX customer base (credibility, vendor allegiance)
- Citrix has complete end-to-end Application Delivery solution – today.
- 18–24 months will see major developments in HVD from both vendors. Re-evaluation (& possible re-deployments) possible and likely in 2 years.
- Every organization should test both products to identify solution to fit needs.
- LAN-based HVD implementations can use either. High latency and rich content should use XenDesktop (ICA)

Things to Consider

*according to Burton Group**

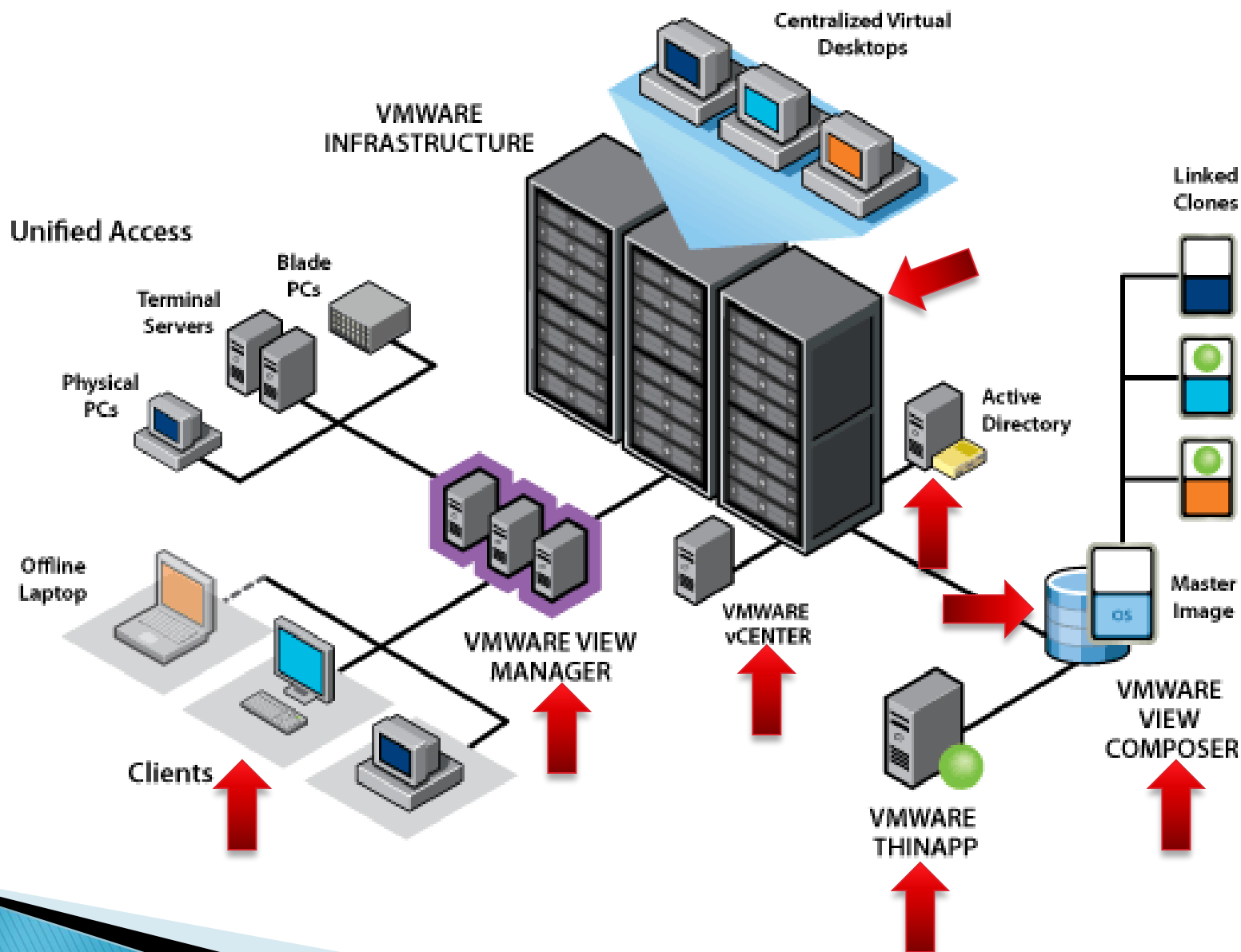
“Neither product is currently ready for enterprise-level production environments.”

Wow. Strong statement, but very true.

The Burton Group's Evaluation

	XenDesktop	View
Role based admin	Yes	No
Win 7 support	Yes	No
Ent. Mgmt. Integration	No	No
User Self-Service Portal	Yes (Dazzle)	No
Hypervisor Vendor Lock	No	Yes
Complex to deploy	Yes	No
Mgmt. Console Limited	Yes (5,000 desktops)	Yes (5,000 desktops)
Security Logging	No	Yes (via vCenter)
3-year support for product portfolio	Yes	No
Security Hardening Guidelines	No	??
Protocol integration with WAN Accelerators	Limited	No (PCoIP), Yes (RDP)

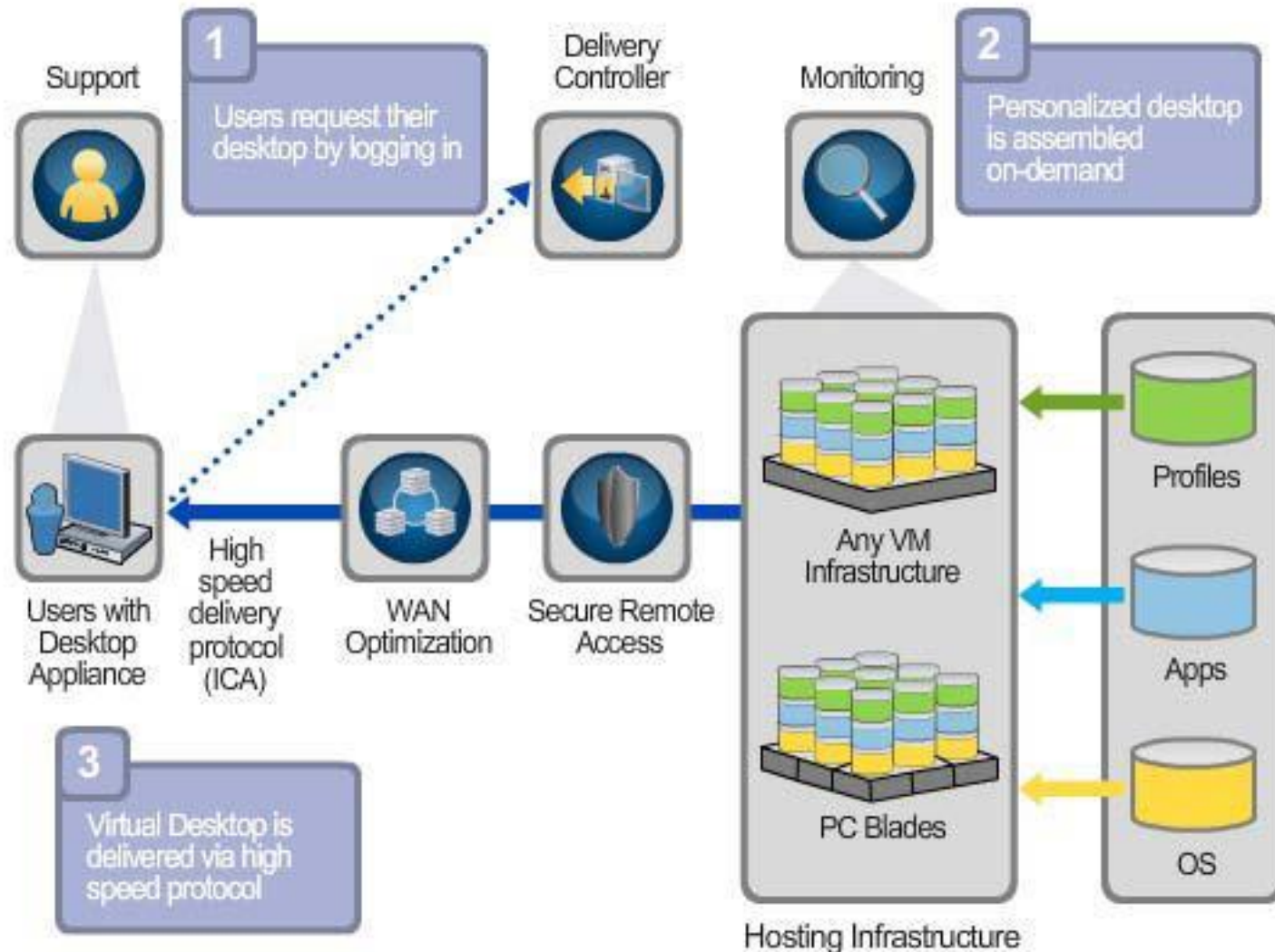
Architecture - View



Architecture – XenDesktop

XenDesktop Technology

How Desktop Delivery Works





Licensing & Editions

- Bundled and Add-on's
- Per Concurrent Connection
- Single piece of strategy
- Can run in their "Cloud"
- Enterprise does not include full product portfolio – ThinApp or Composer
- vCenter included in bundles only licensed to manage desktops & View infrastructure
- Server workloads mixed in same cluster violates EULA
- ThinApp licensed separately



Licensing & Editions

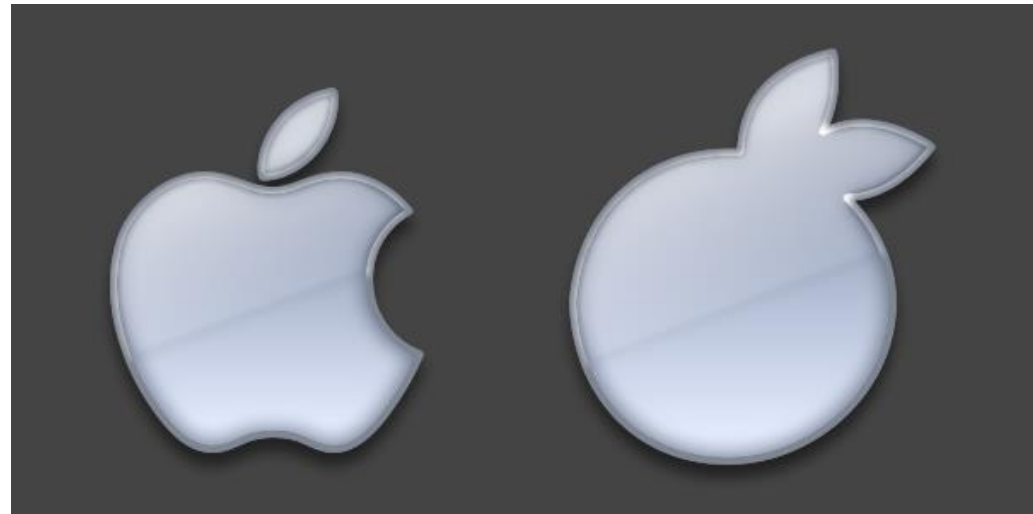
- Bundled Suites – Trade-Ups
- Per Named Device or User
- Per CCU in VDI Bundle only
- XA licenses required for app delivery
- Complete solution in one package



Differences



- User Experience
- Pool Management / Virtual Infrastructure Support
- Storage / Image Management
- Printing and Profile Management
- Installation
- Overall R.A.D. Solution





Differences

User Experience

- PCoIP Protocol – RDP Fallback
- PCoIP is VM only, card required for physical, no option for some hardware, etc.
- Broad client device support
- No Win7 support, no OSX client
- LAN: Great multimedia results, better USB support, great experience, no bi-directional audio
- WAN: Latency & packet loss barrier
- No App Delivery mechanism
- No bandwidth throttling
- Limited device redirection



Differences

User Experience

- ICA Protocol with HDX (solid)
- Broad client OS support (Win7! But no OSX)
- User-defined UI options
- LAN: Great multimedia results, broad USB support, great overall experience, bi-directional audio (eg. VOIP)
- WAN: Still the best out there
- Dazzle (with XA integration)
- Bandwidth Throttling
- More device redirection



Differences

Pool Management / VI Support

- vCenter
 - Tight integration with Composer
 - ESX Only
 - Effectively handles pool creation, destruction, personalization, state management, entitlement, remediation and rebalancing
 - vCenter only
 - View Manager – dig deep, options are plenty
 - Most Powershell automation possible



Differences

Pool Management / VI Support

- Desktop Delivery Controller
 - Works with all major “Vizor” management consoles
 - Hyper-V, ESX, or XenServer
 - State management & entitlement
 - PVS/ Setup Wizard – manual destruction, creation & personalization
 - Separate consoles
 - Needs more Powershell support



Differences

Storage / Image Management

- View Composer
 - Uses linked clones, 'user data disk'
 - Supports persistent and non-persistent disks
 - Provides a way to manage disk/vm assignments
 - Well integrated, pretty simple to use
 - Complexity grows with scaling



Differences

Storage / Image Management

- Provisioning Services
 - Disk streaming over network
 - Very flexible device/workload support
 - Private, Standard, Differential disk modes
 - Workload change with reboot
 - Loosely integrated with network services
 - Image management / assignment complexity
 - Does it need an overhaul?



Differences

Printing / Profile Management

- ThinPrint OEM
- User data disks
- RTO Virtual Profiles acquisition
 - Kernel mode, on demand, container based



Differences

Printing / Profile Management

- UDP, auto-printer create, HMR, print driver replication, stressprinters.exe, etc.
- Still takes planning and effort, but works well

- Profile management (UPM)
 - Solid and improving
 - Short time to value



Differences

Installation

- Fairly easy and quick install
- Can use existing backend
- New DB only required for Composer
- Web based View Admin & User Manager
- Must have some knowledge of vCenter
- Seamless in management



Differences

Installation

- Multiple installs
- Not streamlined
- Prerequisites
- Farms and more farms
- Fairly quick setup once installed



Differences

Overall R.A.D. Solution

- ThinApp
- No user friendly app delivery mechanism
- Not complete, but hopefully improving



Differences

Overall R.A.D. Solution

- XenApp – tight integration
- Streaming
- Receiver
- Dazzle



What's Coming? (maybe)

- Type1 client? Or Offline? Writing is on the wall
- Win7 Support (finally!!)
- Virtual Profiles (RTOSoft acquisition)
- New version of ThinApp
- Tiered Storage
- Full Sysprep support
- Disposable Disk
- Snapshot Support for Linked Clones
- Role Based Admin
- Kiosk Mode Desktop Pools
- Native MacOS Client (c'mon Citrix!)
- Web Download Portal for Clients
- New Dashboard
- Adobe Flex coding



What's Coming?

- XenClient
- ??

Our Take

- VDI (may not be) (is) not the droid you are looking for
- XenDesktop fits most deployments
- View fits some
- BYOPC – try layering, type-2
- Offline's future is bright
- Protocol Wars – Bigger, better, faster
- Define the “USER” – Priority 1
- (Over) Analyze the applications
- Bake ‘em off. Include the WAN!
- Plan it all from front-to-back. Storage, management, deployment, budgets, network, etc.