



VDI in a Nutshell

VDI Concepts

- Centrally manage and control desktop OS's (and applications)
- Move OSs from the desktop into the data center
- Shift from investing in disparate end-point hardware to centralized "pooled" data center resources
- Use single instancing or Thin Provisioning to reduce resource consumption

Examples:
 1 server costs less than 20 workstations
 Can't reallocate unused workstation HD space
 *100GB free x 100 workstations = 10TB of wasted space!

Example:
 Multiple VDI clients boot from the same vDisk

VDI Components

Deliver Desktop OSs

For local execution (Desktop Streaming)

- Use Full local resources of high-end workstation
- 100% Native experience
- Fully leverage existing PC hardware
- Save on data center resources (no VM required)
- Provides pathway to full data center back-end VDI (VDI w/ VMs)

For remote execution (a VM running in data center)

- Clients can be thin clients or PCs
- Workstation workloads use server and data center resources, not local resources.
- Take advantage of economies of scale for data center resources.
- Do away with 99% of end-point / workstation support
- Dramatically reduced administration / support effort
 - No more re-imaging workstations
 - No more management of remotely installed apps
 - No more management of OS and application patches and hotfixes

Application Delivery

- Centrally manage / controll ALL applications
- Choose who gets what application, when, where, and how?
- Application access, control, and auditing
 - *Also a requirement for regulatory compliance / public companies

Solutions

VMware View

- Simple and easy. Similar to managing Terminal Services
- Only works with VMware ESX
- ThinApp packaging utility
 - Will need to use AD GPOs, scripts, or other method to distribute application packages
- Could use Citrix XenApp for application delivery
- May need to combine with a client / application management suite
Examples: AD GPOs, Altiris, or Novell ZENworks

Citrix XenDesktop

- Includes FULL XenApp functionality (Formally MetaFrame & Presentation Server)
- Hypervisor agnostic: works with VMware ESX, MS Hyper-V, and Citrix XenServer
- Choose to use VDI desktop or shared desktop via XenApp component
- Detailed control of user environment
IE User Profile management, printers, etc.

www.UltraLevel.com

