Virtual Workspaces: How, Why and Why Not

Nick Vannelli
Systems Consultant | Quest Software Desktop Virtualization Group
What are Virtual Workspaces

- Virtual Workspaces are centrally managed and delivered Windows-based desktops and applications.
Why use Virtual Workspaces?

- More Control/Easier Management
- Security/Compliance
- Remote Access
- Client Device Flexibility
  (Extend Lifecycle/BYOC/Work from Home)
Why not to use Virtual Workspaces

- Capital Expense Cost Savings
- It’s Cool!/Buzz
- Simplification
Critical Step: Match Appropriate Technology with Use Case with User!

- What are you trying to do?
- There are several ways to deliver Virtualized Workspaces to users.
- Flexibility vs. Cost
Remote Desktop Services (RDS)/Terminal Services (TS)

• Many users same needs

• Users do not require Admin rights

• Users do not need to install applications

• Users do not require access to specialized hardware (Signature Pads, Transcription Pedal, Cell Phone Sync, Complex Video)
Virtual Desktop Infrastructure (VDI)

• Different needs from user to user

• Users may require admin Rights

• Users may require ability to installation applications

• Users may require the ability to use specialized hardware (Signature Pads, Transcription Pedal, Cell Phone Sync, Complex Video)
Virtual Desktop Infrastructure (VDI)

- Different needs from user to user
- May need admin Rights
- May require ability to install applications
- Requires specialized hardware (Signature Pads, Transcription Pedal, Cell Phone Sync, Complex Video)
Offline Virtual Desktop Infrastructure (Offline VDI)

- Users have periods of limited access to network connectivity
- Users have 0 tolerance for network unavailability
- Existing applications have “offline capabilities” (e.g. Periodic Sync/No requirement for central DB)
Benefits and Requirements: TS/RDSH

**Benefits**

- Ubiquitous Client
- Cost Effective (Great Density!!)
- Nothing leaves the DataCenter

**Requirements**

- TS/RDSH CAL
- Windows 2003/2008 Server
- Server (20-30 users per CPU-core)
- Local Storage
- Network Connectivity
## Benefits and Requirements: VDI

### Benefits

- Ubiquitous Client
- High Flexibility
- High Compatibility (applications/special peripherals)
- Nothing leaves the datacenter

### Requirements

- SA/VDA License
- Hypervisor Software
- Hypervisor Manager
- SAN Storage*
- Server (7-12 users per core)
- Network Connectivity
Benefits and Requirements: Offline VDI

Benefits

• Centralized management without constant connectivity to the Data Center

• Windows\Mac\Bare metal x86 Hardware*

• Extreme Flexibility

• Extreme Compatibility(applications/special peripherals)

Requirements

• SA/VDA License

• Laptops that can run 2 x OSs or laptops on the client hypervisor HCL

• Windows Server License

• Server (5000 Users)
Questions?