



Virtual Desktop Infrastructure

Agenda

- What is VDI
- Business Drivers
- Benefits of VDI
- Challenges
- Cost
- Lessons Learned



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What is VDI?

- Virtual Desktop Infrastructure (VDI) is a server-based, desktop virtualization solution
 - virtual desktop has the same look and feel of a traditional desktop computer
 - user's desktop consists only of a screen image on the workstation
 - files, data, applications and operating system are stored and managed on centralized servers



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Business Drivers

- Reductions in budget and IT support staff
- Extend hardware life-cycle
- Improve Disaster Recovery/Business Continuity posture
- Reduce carbon footprint and energy consumption
- Enhance security and compliance



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Benefits of VDI

- Quick desktop set-up for new users
- Reduce down time and interruptions
- Deliver predictable service levels
- Faster delivery of applications to the desktop
- Greater control of policy enforcement
- Expand business continuity and disaster recovery capabilities
- Increased efficiency of IT support staff



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Challenges

- Setting reasonable expectations....
 - critical to categorize users and understand their needs
- Significant change in user support model
 - realignment of IT resources
- Licensing costs
 - not reduced or eliminated
 - requires additional Microsoft licensing
- Transparency for end user
 - Limited personalization capabilities
 - 3rd-party software



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Challenges, cont.

- Peripheral devices
 - alternative mouse (15-button)
 - label printers
 - USB drives
- Offline and mobile device capabilities are immature



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Cost

- Reduced desktop TCO
 - Lower replacement cost
 - 3 times longer life-span over conventional PC

However, for many organizations cost is transferred to data center
- Reduced power consumption
 - 84% reduction in power consumption
 - Reduced disposal impact
 - up to 90 percent of the unit can be recycled



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Lessons learned

- Logon and application start-up time
 - 'first time experience' is perceived as slow
 - subsequent usage is comparable to a physical computer
- Network or server failure may affect many or all desktops



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Lessons learned, cont.

- Understand users current environment
 - Understand user's requirements, setting proper user expectations and managing user perception
- Plan bandwidth in the data center:
 - VDI solutions increase bandwidth requirements compared to traditional desktop environments
 - VDI requires enough capacity for clients to access desktops and for the desktops to access applications



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Questions?



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