Using HP Rapid Deployment Pack with Microsoft Sysprep

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Objectives

- Introduce RDP

- Explain generic issues with imaging

- Introduce Sysprep

- Discuss using Sysprep and RDP together

- Compare differences between Sysprep on Windows 2000 and Windows Server 2003

- Hands-on lab

- Discussion

What is Rapid Deployment Pack?

- RDP is a joint HP and Altiris solution
  - Altiris Deployment Solution
  - HP ProLiant Integration Module

- RDP can
  - Perform scripted operating system and application installations
  - Capture and deploy disk images

- RDP website — http://www.hp.com/servers/rdp

Generic issues with imaging

- Lack of flexibility

- Works best on identical machines
  – Single processor compared to multiprocessor
  – Different storage controllers, for example, SA5i+ compared to SA642
  – Different NICs

- Some applications cannot be imaged

- Lack of Microsoft support

What is Microsoft Sysprep?

- A simple utility that prepares a system to be imaged by third-party programs, for example, RDP

- Ensures the security identifiers (SIDs) are unique

- Invokes the Mini-Setup Wizard on first boot

- Supports multiple mass storage controllers

- Is the only way Microsoft supports deploying operating system images

Why use RDP with Sysprep?

- Single system image can support all ProLiant 300/500/700 series servers with ProLiant Support Pack installed

- Single system image can support all ProLiant servers without HP value add installed
  - Can be combined with conditional jobs to deploy the latest ProLiant Support Pack

- Unique hardware and array configuration files can be used

Windows 2000 Sysprep and RDP

- Uses Sysprep 1.1

- Creation of Sysprep image can be fully automated within RDP

Windows Server 2003 Sysprep and RDP

- Uses Sysprep 2.0

- Creation of Sysprep image only partially automated in RDP
  - Differences in the way Sysprep handles networking require manual running of Sysprep utility and imaging of server with RDP

- Must reactivate operating system if not using volume license version

Begin hands-on lab exercises

Sysprep.inf discussion

- [Unattended]
  - UpdateHAL
  - File paths
    - InstallFilesPath
    - OemPnPDriversPath

- [SysprepMassStorage]

RDP job discussion

- Why did the server's name change after the capture job was run?

- Why were all the files were copied to the C:\sysprep directory?

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