Microsoft Desktop, Part 5 of 8: Lite and Zero Touch Deployment

Meet the expert: Chris Bell, MCITP, is an 18-year SQL Server veteran for both business intelligence and application development providing solutions for businesses, organizations, and individuals. He is the founder and CEO of WaterOx Consulting, Inc., a provider of remote SQL Server consulting and services. Chris is also the founder and current President of the Washington DC chapter of PASS and a member of the Board of Directors for CPCUG. Chris also frequently attends and presents at PASS events around the country, sharing his passion for all things SQL Server. In 2012, Chris was one of 5 finalists in the world for Red Gate’s Exceptional DBA Award.

Prerequisites: The course assumes that students have some familiarity with Microsoft Windows, basic networking concepts, and a fundamental understanding of computer hardware.

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Course description: When working with organizational networks there maybe requirements where we may need to plan and automate desktop image deployments on client computers. We can do this via Lite Touch or Zero touch Deployments. In this course we'll first get familiar with configuring desktops using the Lite touch Deployment strategy. This will allow us to easily automate the image deployment process with minimal interaction thus reducing deployment time and effort. However in organizations where we need to perform a deployment for a large number of enterprise desktop systems the manual interaction requirements of the Lite Touch Deployment can make the process quite complex and time consuming. In order to simplify and automate the deployment process we can use the Zero touch Deployment strategy using the appropriate deployment tools. We will continue and look at how the ability to configure a Zero Touch Deployment strategy will allow us to automate OS deployment in less time.

Course outline:

Lite Touch Deployment
- Introduction
- Lite-Touch Deployment
- Lite-Touch Deployment Files
- Lite-touch Guidelines
- Unattended Answer File
- Configuration Phases
- Network Load Optimization
- Role of NLB During Deployment
- Demo: Deployment Share
- Demo: Multicasting
- Demo: Repository
- Demo: Task Sequence
- Demo: Deployment Share
- Summary

Image Restrictions
- Introduction
- Image Restrictions
- Demo: Image Restrictions
- Summary

Filters
- Introduction
- Filters
- Demo: Filters
- Summary

Overview and Task Sequencing
- Introduction
- Zero-Touch Deployment
- Infrastructure Requirements
- Zero-Touch Configuration Tasks
- Slow Network Guidelines
- Network Load Optimization
- Task Sequencing
- Demo: Task Sequence
- Demo: Next Steps
- Summary

Deployment Tools
- Introduction
- Advertisement
- Advertisement Types
- Deployment Tools
- Guidelines: OS & Applications
- MDT & SCCM 2012 Integration
- Benefits of SCCM 2012
- Demo: MDT
- Demo: More MDT Task Sequence
- Summary

Multicast Transmission
- Introduction
- Multicast Transmission
- Multicast Custom Options
- Demo: Multicast Transmission
- Summary