

Going Beyond Templates & Clones: Automate Your OS Deployments & Become a Deployment Guru “Take Two”

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Topics

- Questions
- The Basics of Deployment
- Taking a look back
- Old School and New Solutions
- MDT
- Demo
- Resources – Q&A



Questions



Questions For You

- Who's automating today? And who's not?
- Why and why not?
- Virtual and physical?
- What tools are you using?
- What is your goal?



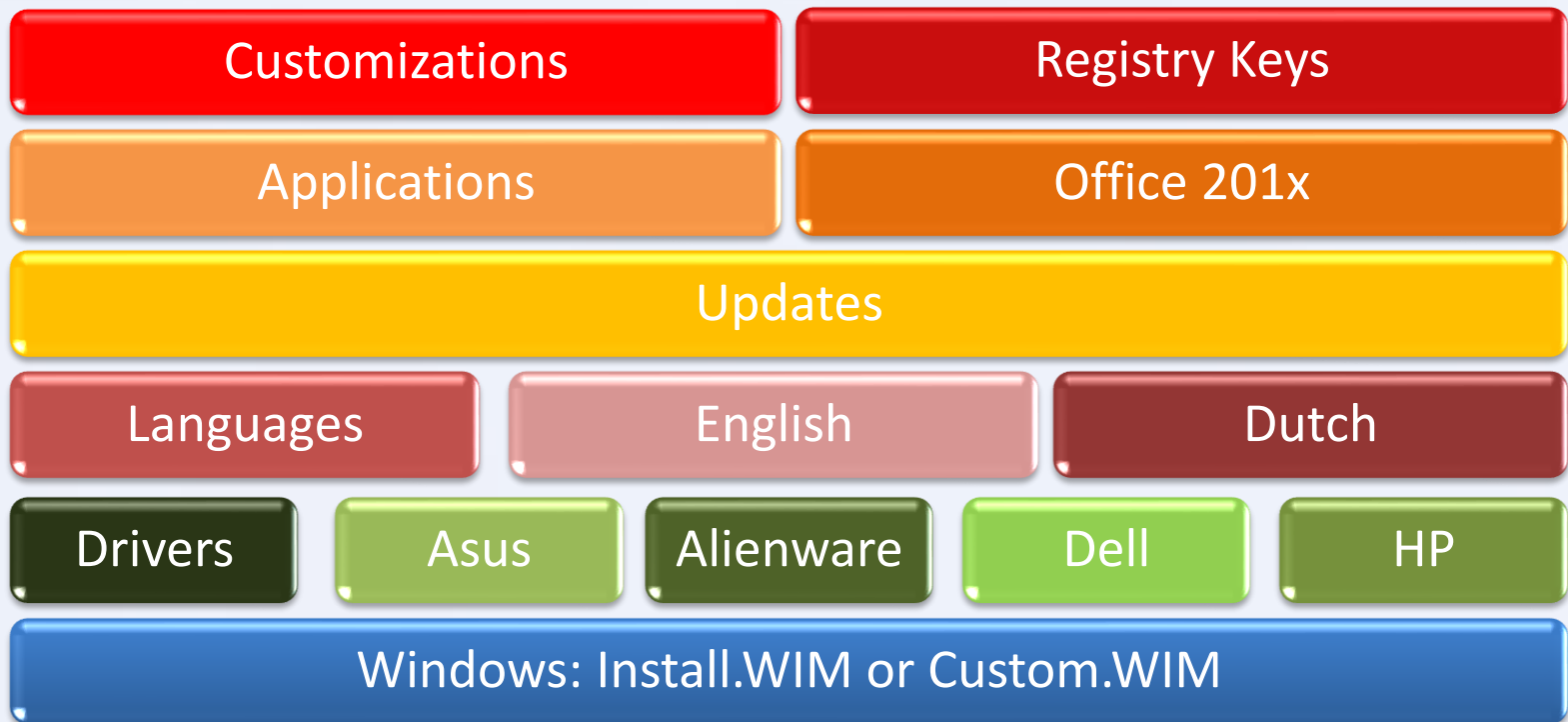
You Need To Get On “The Bus”

- 72% of enterprises did not migrate to Vista
(Forrester Research)
- Enterprises see Windows 7 as Vista SP1. 40% plan their upgrades
- Your users & their platforms will make it a necessary skillset (VDI, VHD, Type2, etc.)
- XP support drops from EA customers in 2013, Hardware vendors no longer writing XP drivers
- Windows 8 and Server 2012
- Why not make your life easier?

The Basics

- Boot initiator
- WinPE
- Interaction – i.e. “touch”
- Task Sequences
 - Base OS
 - Apps, drivers, settings, updates, captures, etc....
- Drivers
- Images – Golden, Master, Reference
- Logging & Monitoring

Windows Deployment Layers







Old School

- Clones & Templates
- Disk Imaging
 - Ghost, Acronis, etc.
- File Level Duplication
 - LapLink, Carbon Copy
- High Touch installs*
- Mega scripts



Issues with Old School Methods

- Hardware Drivers
- App Compat with Hardware
- Disk Partitions & Geometry
- Lots of scripts or one or more large, complex scripts
- Active Directory
 - SID's & GUID's, Machine account passwords, Time Sync
- Updates & Service Packs
 - OS and Applications
 - New OS Features – latest and greatest
- Deployment time



Mike Nelson - Briforum London 2012



Automated Solutions

- Packaged Options
 - Altiris, ManageEngine, Acronis, Specops, Bootix, SmartDeploy, SCCM, FrontRange
- Hardware Vendor Options
 - Dell KACE, HP Insight, IBM Tivoli Deploy
- Open Source – Some do OS X & Linux too
- Scripted - Autolt
- The Solution Accelerators

The Solution Accelerators

“They are FREE*
and Supported.”

Yes, I did use the words “Free” and “Supported” in the same sentence for a Microsoft offering.*

Free* as in Free Beer



The MDT Solution

- Can be WDS and/or SCCM integrated – Recommended*
- Standalone with linked deployment shares for remotes
- Ultra flexible task sequence design
- Scripting supported – PowerShell, Cscript, VBS
- Tremendous community support
- Optional use of SQL DB
- OCT (Office 201x) and WSIM (answer file) integrated
- SCM GPO Packs (MDT 2012)
- Deploy to VHD (MDT 2012)
- Out of Box hardware driver injection
- Can do LTI or ZTI
- Logging, monitoring (2012), & DaRT integration (2012)
- And lots more...

Windows Deployment Tools

Lite Touch Deployment

Zero Touch Deployment

Weapons of Mass Deployment: Microsoft or 3rd Party

ENGL drv
mgr

Setup
Cmmdr

Update
Cmmdr

usb/dvd
Dwnldr

MAP

App
Compat

System
Center

Microsoft Deployment Toolkit

Weapons of Mass Deployment: WAIK or Windows Embedded

ImageX

Windows
SIM

Windows
Setup

Sysprep

Windows
PE

DISM

Windows
DS

Answer Files (unattend.xml or autounattend.xml)

Windows Imaging and Windows Imaging (WIM) files

DEMO

Resources

- The Deployment Guys – <http://blogs.technet.com/b/deploymentguys/>
- Microsoft MDT Forum - <http://social.technet.microsoft.com/Forums/en/mdt/threads>
- Michael Niehaus - <http://blogs.technet.com/b/mniehaus/>
- Chris Nackers - <http://myitforum.com/cs2/blogs/cnackers>
- Rhonda Layfield – <http://www.deploymentdr.com>
- Lars Krogh – <http://deploywindows.net>
- Maik Koster - <http://myitforum.com/cs2/blogs/maikkoster>
- Johan Arwidmark (MVP) – <http://www.deploymentresearch.com>
- Mikael Nystrom (MVP) - <http://deploymentbunny.com/>
- Andrew Barnes - [Scriptimus Ex Machina](#)

Resources

- Microsoft's Windows 7 Deployment site - <http://technet.microsoft.com/en-us/windows/dd641427>
- Microsoft Update Catalog - <http://catalog.update.microsoft.com/v7/site/Install.aspx?referringpage=home.aspx>
- Dell Tech Center – <http://www.delltechcenter.com>
- MDT on Codeplex – <http://mdtcustomizations.codeplex.com>
- Xtreme Consulting – <http://www.xtremeconsulting.com>
- AppDeploy – <http://www.itninja.com>
- HP SDM - www.hp.com/go/sdm

Full listing at My Blog

<http://www.techdecode.com>

Direct link - <http://bit.ly/IJdLZS>