

Going Beyond Templates & Clones: Automate Your OS Deployments & Become a Deployment Guru

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Topics

- Questions For You
- The Basics
- Taking a look back
- Newer Automated Solutions
- The MDT Solution
- Demo
- References & More Info

Questions for You

- What is your role?
- Desktops & Server OS's?
- Virtual and physical?
- Name the 2 deployment types
- Name the 3 deployment interaction types
- How do you deploy today?
- How fast do you deploy today?

Basics of Automated Deployments

- Boot initiator
- Deployment integrator - PE
- User interaction – i.e. touch
- Deployment sequence
- Base OS
- Apps, drivers, settings, etc.
- Hardware types
- Standard images – “Golden”
- End results - Logging

The Good Old Days



How Many Do You Think?



Old, Old School

- Disk Imaging
 - Ghost (still an option for some)
 - PC Clone
 - Cloner
 - Acronis
 - Lots of others
- File Level Duplication
 - LapLink
 - Carbon Copy
 - Xcopy
- Move the drives

Old School

- Mega scripts
- Kix scripting
- Unattended.xml (well, sort of old school)
- Clones
- Templates
- Imaging*

Issues with the Old School

- 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
- Management Tool Integrations
- Deployment time

Flexible Automated Solutions

- Altiris
- SCCM
- KACE
- ManageEngine
- Acronis
- Specop
- Bootix BootManage Administrator
- SmartDeploy
- Open Source – Scripts and Appliances
- nLite, RT Seven Lite
- **The MDT Solution Accelerator**



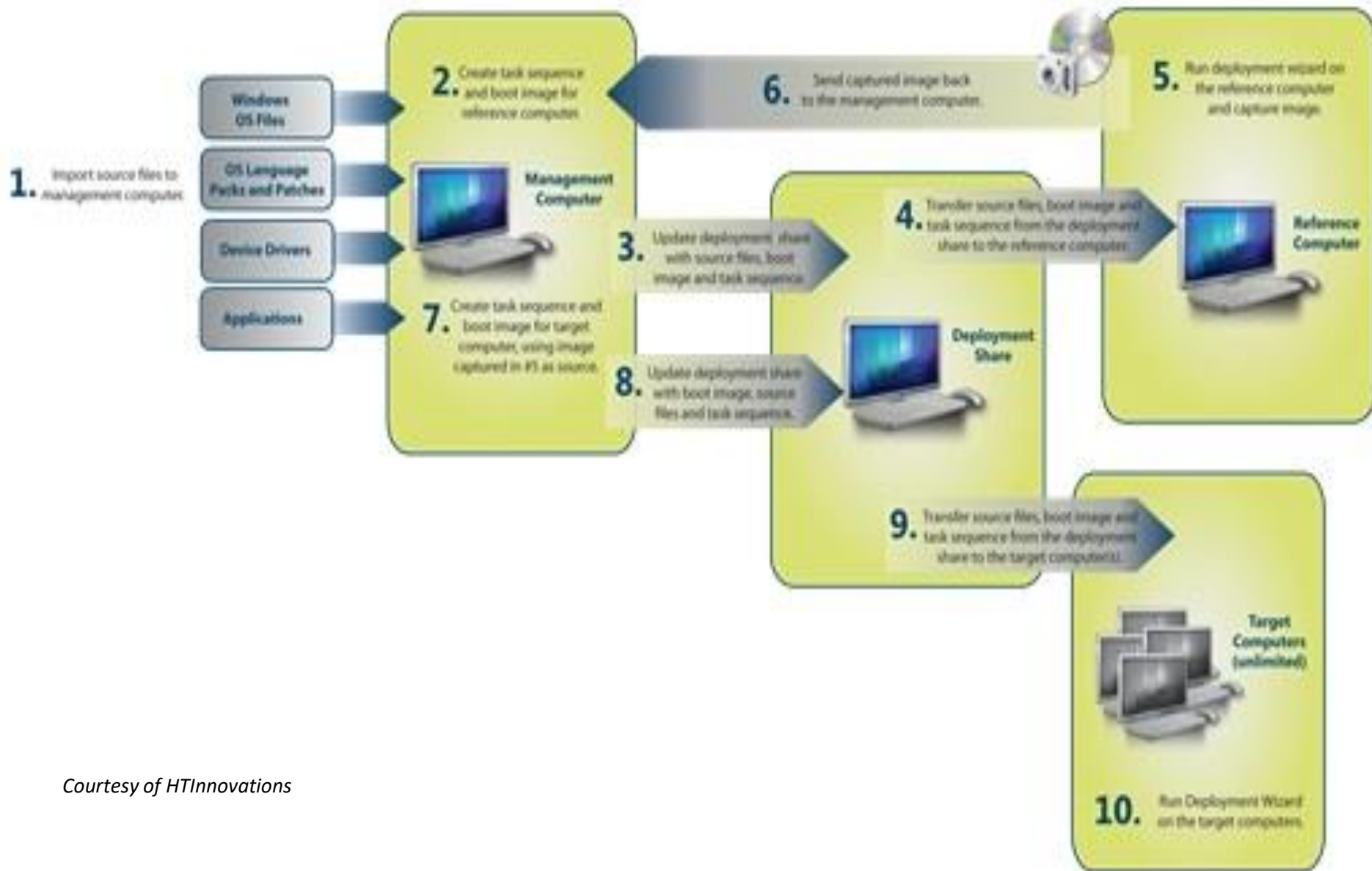
The MDT Solution

Absolutely FREE & Fully Supported

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

The MDT Solution

- Multicasting & PXE – WDS integrated
- Optional DB-based
- Lots of Wizards & options
- Flexible task sequence design with pre-defined sequences
- Scripting based – Powershell, Cscript, VBS
- Tremendous community support
- Rapid deployment
- Can integrate current or new Unattended.xml & scripts
- OCT (Office 2010) and Windows SIM (answer file) integrated
- Tight SCCM OSD integration (\$\$)
- Repositories – Drivers, apps, machines, etc.
- New disk file formats - .WIM, .VHD
- Driver Injection – Long time coming
- Reference images
- LTI, but can do ZTI
- Logging
- And more...



Courtesy of HTInnovations

DEMO

Good Info & References

- 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/>
- Xtreme Consulting – <http://www.xtremeconsulting.com>
- AppDeploy – <http://www.appdeploy.com>
- MDT on Codeplex – <http://mdtcustomizations.codeplex.com>
- Dell Tech Center – <http://www.delltechcenter.com>
- Microsoft Update Catalog - <http://catalog.update.microsoft.com/v7/site/Install.aspx?referringpage=home.aspx>