

1. Prepare the following on the Deployment Server:
 - a. Your standard Pre-boot OS (for both x32 and x64 environments)
 - b. Copy the OS sources to folders on the share like i.e.
 - i. .\eXpress\OS\Win7_x32
 - ii. .\eXpress\OS\Win7_x64
 - iii. .\eXpress\OS\WinXP_Pro
 - iv. .\eXpress\OS\WinVista_x32
 - v. .\eXpress\OS\WinVista_x64
 - c. Create source folders for your hardware specific driver packages. Also for simplicity and International reasons, I use the starting 4 characters of each model only. As an example here is what the structure could be looking like:
 - i. .\eXpress\Drivers\DELL
 - 0G26
 - ii. .\eXpress\Drivers\HP
 - 3031
 - 3646
 - 0AA0
 - 0B40
 - iii. .\eXpress\Drivers\LENOVO
 - 2767
 - 590D
 - 2924
 - d. Create a folder for the core applications you want to have installed. Also an example here:
 - i. .\eXpress\CoreApps
 - Symantec
 - Office
 - Adobe
 - WinRAR
 - SysInternals
 - NET_FW
 - ImageX
 - AntiVirus
 - e. In your Windows answer file (which in my case is very much basic), add either one or two commands** to be executed on completion of the OS installation which is in the FirstLogonCommands section. This could look like the below.
 - i. <CommandLine>C:\<YourPathToYourScript>\InstallApps.CMD</CommandLine>
 - ii. In the end of this, you will find comments regarding this part as if you run more than a single site and want to provide a process to multiple sites and/or countries, this will be relevant for you.

2. Deployment process

a. Create the following on your DS console (either a single job with a huge amount of tasks or a couple of jobs in which you run the tasks a bit more separated)

i. Boot to Pre-boot OS (for Win x64 platforms you need an x64 WinPE and for x32 a x32 WinPE)

- Prepare the hard drive using a script or as an alternative deploy a blank NTFS image to wipe the entire disk
- Copy across your OS source
- Copy across the respective Windows answer file
- Copy across the core applications
- Copy across the hardware platform specific driver package*** (look at the script at the bottom, which will details how you do this)

ii. Still in Pre-boot environment run the initial Windows setup. Samples for XP Pro and Windows 7 look like these:

• Win7:

```
C:\<YourOSSourceFolderOnClient>\Setup.exe /noreboot /tempdrive:C  
/unattend:C:\<YourFolder>\AutoUnattend.xml
```

The Noreboot switch is required as otherwise the job would never complete on the console, so you will have a simple VBS to reboot the machine on completion of the first portion of the setup;

• WinXP:

```
C:\<YourSourceFolder>\i386\winnt32.exe /syspart:C /tempdrive:C  
/copysource:lang /unattend:C:\<YourSourceLocation>\unattend.txt
```

Here the same as for Win7, reboot the client thru another script on completion of the initial setup stage

iii. The machine boots to the local hard disk and

- completes setup
- installs core applications
- installs the DAgent

iv. Create a cleanup job to remove the now no longer used files and folders

****DAgent installation:**

If you decide to install the DAgent from within the answer file, you will have to prepare the answer file using a ReplaceTokens command so that the %DSSERVER% variable is replaced. For Win7 x64 this could look like this.

Replace the variable in the file.

```
REM ReplaceTokens .\Unattend.xml .\ temp\%ID%.XML
```

Copy the created output file to the client:

Source file: .\Temp\%ID%.XML

Target file: C:\<YourDestinationFolder>\Unattend.XML

*****Copy Drivers task:**

REM [WinPe] Stage 4.10 - Copy patches & Driver Packages

*REM ******

REM Set variables

*REM ******

SET manuf=%#!computer@manuf%

SET prod=%#!computer@prod_name%

SET model=%#!computer@model_num%

*REM ******

REM Retrieve model information from eXpress DB

*REM ******

Such lines as the below return the information shown in the quotes to the DS console in the job details, which I think is very useful for troubleshooting!

\\%DSSERVER%\eXpress\TechSup\Windows\x64\wlogevent.exe -c:0 -l:2 -ss:"FYI: Store model information on client."

REM Get the starting 4 characters of the model only as the additional ones are usually country specific.

SET MyStr=%model:~0,4%

ECHO %MyStr% > C:\DisneyIT\Tools\%MyStr%.txt

ECHO %prod% >> C:\DisneyIT\Tools\%MyStr%.txt

ECHO %model% >> C:\DisneyIT\Tools\%MyStr%.txt

\\%DSSERVER%\eXpress\TechSup\Windows\x64\wlogevent.exe -c:0 -l:2 -ss:"FYI: Store manufacturer information on client."

ECHO %manuf% >> C:\DisneyIT\Tools\%manuf%.txt

*REM ******

REM Fill in manufacturer variables

*REM ******

REM Cater for various naming conventions of manufactuer hardware and unify these for the script

IF "%manuf%"=="Compaq" SET manuf=HP

IF "%manuf%"=="HP Compaq" SET manuf=HP

IF "%manuf%"=="Hewlett-Packard" SET manuf=HP

IF "%manuf%"=="Hewlett Packard" SET manuf=HP

IF "%manuf%"=="LENOVO" SET manuf=IBM

IF "%manuf%"=="Dell Inc." SET manuf=DELL

IF "%manuf%"=="FUJITSU" SET manuf=FUJI

IF "%manuf%"=="VMware, Inc." SET manuf=VMWare

:Packages

IF NOT EXIST \\%DSSERVER%\eXpress\ Drivers\%manuf%\%MyStr% GOTO MSG

\\%DSSERVER%\eXpress\TechSup\Windows\x64\wlogevent.exe -c:0 -l:2 -ss:"FYI: Copying driver packages for %manuf% model %MyStr%."

XCOPY G:\DSLib\Global\Drivers\WIN\Win7\%manuf%\%MyStr%.* C:\DisneyIT\Tools\Packages*.* /S /E /Y*

IF EXIST C:\DisneyIT\Tools\Packages\99\%MyStr%.txt GOTO Patches

\\%DSSERVER%\eXpress\TechSup\Windows\x64\wlogevent.exe -c:10050 -l:3 -ss:"FAIL: Driver Packages not (completely) copied."

EXIT /B 10050

:MSG

||%DSSERVER%\eXpress\TechSup\Windows\x64\wlogevent.exe -c:0 -l:2 -ss:"FYI: No driver packages for %MyStr% found."