

Hello all,

Still a bit new to LANDesk provisioning (especially the nitty-gritty of HII).  
We're deploying a sysprepped (OOBE, generalized) image to a lab full of Dell Precision T7910 devices.

We downloaded the Dell driver cab and unpackaged it into the  
\\CORE\ldmain\landesk\files\drivers\HIIDell\T7910 folder and rebuild the HII database.

On the endpoint device, it APPEARS to be downloading the correct (I've tried it both assigned and unassigned) driver, but it will not install the driver (doesn't seem to find it?)

The devices (there are two NICs) are:  
PCI\VEN\_8086&DEV\_153A&SUBSYS\_06191028&REV\_05  
PCI\VEN\_8086&DEV\_1533&SUBSYS\_06191028&REV\_03

Anyone have any clues?

Apologies in advance if I FUBAR the appropriate formatting for logs, here.

```
HIIClie
source path to download: http://CORE/landesk/files/drivers/drivers.db3
dest path for download: c:\Windows\LDDriverStore\drivers.db3
Opening SQLite3 database at location: c:\Windows\LDDriverStore\drivers.db3

Device manufacturer discovered as: Dell Inc.
Device model discovered as: Precision Tower 7910
Found MakeModel_Idn 4
-----
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
source path to download: http://CORE/landesk/files/drivers/HiIDell/T7910/win7/x64/network/JGGHH\_A00-00/production\Win
dest path for download: c:\Windows\LDDriverStore\HiIDell\T7910\win7\x64\network\JGGHH_A00-00\production\Win
-----
Download return count: 464
OS Version: 6.1
Force unsigned drivers option detected. Will add /forceunsigned flag to DISM command.
DISM path and command line: x:\windows\system32\dism.exe /image:c:\ /add-driver /driver:"c:\Windows\LDDriverStore
DISM returned code: 2
ProcessDrivers failed.
GetImageSystemDirectory: c:\Windows
```

```
>>> [Setup online Device Install (Hardware initiated) - pci\ven_8086&dev_1533&subsys_06191028&rev_03\4&4e29
>>> Section start 2015/12/16 16:38:53.670
ump: Creating Install Process: DrvInst.exe 16:38:53.670
ndv: Retrieving device info...
ndv: Setting device parameters...
ndv: Searching Driver Store and Device Path...
dvi: {Build Driver List} 16:38:53.759
dvi:   Searching for hardware ID(s):
dvi:     pci\ven_8086&dev_1533&subsys_06191028&rev_03
dvi:     pci\ven_8086&dev_1533&subsys_06191028
dvi:     pci\ven_8086&dev_1533&cc_020000
dvi:     pci\ven_8086&dev_1533&cc_0200
dvi:   Searching for compatible ID(s):
dvi:     pci\ven_8086&dev_1533&rev_03
dvi:     pci\ven_8086&dev_1533
dvi:     pci\ven_8086&cc_020000
dvi:     pci\ven_8086&cc_0200
dvi:     pci\ven_8086
dvi:     pci\cc_020000
dvi:     pci\cc_0200
cpy:   Policy is set to make all digital signatures equal.
dvi:   Enumerating INFs from path list 'C:\Windows\inf'
inf:   Searched 0 potential matches in published INF directory
inf:   Searched 36 INFs in directory: 'C:\Windows\inf'
dvi: {Build Driver List - exit(0x00000000)} 16:38:54.228
ndv: Selecting best match from Driver Store (including Device Path)...
dvi: {DIF_SELECTBESTCOMPATDRV} 16:38:54.229
dvi:   No class installer for 'Ethernet Controller'
dvi:   No Colninstallers found
dvi:   Default installer: Enter 16:38:54.231
dvi:     {Select Best Driver}
! dvi:       Selecting driver failed(0xe0000228)
dvi:     {Select Best Driver - exit(0xe0000228)}
! dvi:   Default installer: failed!
! dvi:   Error 0xe0000228: There are no compatible drivers for this device.
dvi: {DIF_SELECTBESTCOMPATDRV - exit(0xe0000228)} 16:38:54.235
ndv: Waiting for previous device install to complete. 16:38:54.236
ndv: {Core Device Install} 16:39:24.853
! ndv:   Installing NULL driver!
dvi:   Set selected driver complete.
dvi:   {DIF_ALLOW_INSTALL} 16:39:24.874
dvi:     No class installer for 'Ethernet Controller'
dvi:     Default installer: Enter 16:39:24.875
dvi:     Default installer: Exit
dvi:   {DIF_ALLOW_INSTALL - exit(0xe000020e)} 16:39:24.876
dvi:   {DIF_INSTALLDEVICE} 16:39:24.876
dvi:     No class installer for 'Ethernet Controller'
dvi:     Default installer: Enter 16:39:24.877
! dvi:     Installing NULL driver!
dvi:     Writing common driver property settings.
dvi:     {Restarting Devices} 16:39:24.887
```

```

dvi: Restart: PCI\VEN_8086&DEV_1533&SUBSYS_06191028&REV_03\4&4E29425&0&00E1
dvi: Restart complete.
dvi: {Restarting Devices exit} 16:39:24.947
dvi: Default installer: Exit
dvi: {DIF_INSTALLDEVICE - exit(0x00000000)} 16:39:24.948
dvi: {DIF_NEWDEVICEWIZARD_FINISHINSTALL} 16:39:24.949
dvi: No class installer for 'Ethernet Controller'
dvi: Default installer: Enter 16:39:24.951
dvi: Default installer: Exit
dvi: {DIF_NEWDEVICEWIZARD_FINISHINSTALL - exit(0xe000020e)} 16:39:24.952
ndv: Device install status=0x00000000
ndv: Performing device install final cleanup...
ndv: {Core Device Install - exit(0x00000000)} 16:39:24.955
ump: Server install process exited with code 0x00000000 16:39:24.961
<<< Section end 2015/12/16 16:39:24.962
<<< [Exit status: SUCCESS]

```

I am wondering if in the INF the REV\_05 or REV\_03 are missing! Thanks Dell!

Does the INF have to match the HardwareId string exactly? The device is marked "PCI\VEN\_8086&DEV\_1533&SUBSYS\_06191028&REV\_03"

The .INF file contains the lines:

```

%E153ANC.DeviceDesc%           =
E153A.6.1.1, PCI\VEN_8086&DEV_153A&SUBSYS_06191028
%E153ANC.DeviceDesc%           = E153A, PCI\VEN_8086&DEV_153A&SUBSYS_06191028

```

Have you tried Manually assigning it in HII Tool? [How to manage drivers Using the HII Tool](#)

AMD FirePro W5100 (FireGL...	PCI\VEN_1002&DEV_6649&SUBSYS_230C1028&REV_00	C7180117.inf	HII\Del\T7910\win7x64\video\FFFH3_A00-00\drivers\Package\Drivers\Display\WB6A_INF\
Intel(R) C610 series X99 ch...	PCI\VEN_8086&DEV_8D02&SUBSYS_06191028&REV_05	Wellahci.inf	HII\Del\T7910\win7x64\chipset\X5V4V_A01-00\production\Windows7x64\9.4.2\
emicro	PCI\VEN_8086&DEV_153A&SUBSYS_06191028&REV_05	E1D62x64.inf	HII\Del\T7910\win7x64\network\JGGHH_A00-00\production\Windows7x64\
X10DA / Windows 7 / AMD64	PCI\VEN_8086&DEV_1533&SUBSYS_06191028&REV_03	E1R62x64.inf	HII\Del\T7910\win7x64\network\JGGHH_A00-00\production\Windows7x64\
Inc.	PCI\VEN_8086&DEV_8D31&SUBSYS_06191028&REV_05	WellUSB3.inf	HII\Del\T7810\T7810-win7-A03-PCJT1\T7810\win7x64\chipset\X5V4V_A01-00\production\Windows7x64\9.4.2\
OptiPlex 3010 / Windows 7 / AMD64	NVIDIA NVS 310	NVDW.inf	HII\Del\T7910\win7x64\video\0KXM6_A00-00\Display.Driver\
Precision Tower 7910 / Windows 7 / AMD	PTLSER	ptlser.inf	HII\Del\T7910\win7x64\input\X7PM4_A00-00\drivers\
	Standard VGA Graphics Ada...	NVDW.inf	HII\Del\T7910\win7x64\video\0KXM6_A00-00\Display.Driver\

I have the drivers assigned currently. These drivers should work no problem -- if you copy these drivers to a flash drive and point Device Manager at that directory after imaging, it will install these drivers without issue.

Can you test something, I used this in the past to see if it was a driver stuck in my image, create a provision task before HII to delete this directory c:\Windows\LDDriverStore.

We have ran into something similar after we upgraded from LDMS 9.5 SP2 to LDMS 9.6 SP2 where our driver set was no different to prior to the upgrade.

We initially compared the driver contents in C:\Windows\LDDriverStore\ to the CoreServer / Preferred Server and noticed that some driver dll files were missing. eg: 102 files under C:\Windows\LDDriverStore\Video\Intel\_X\_Blah but there were 106 files under C:\Program Files (x86)\LANDESK\ManagementSuite\LANDESK\files\drivers\Video\Intel\_X\_Blah

Our issue was that WinPE X:\ scratch space was now no longer large enough to cater for the drivers downloaded from the Core/Preferred Server. By default it's set to 32MB and you can use DISM tool to increase it to 64MB, 128MB, 256MB and 512MB via the following command, however we were already at 512MB and we had to manually tweak it and force it to 1024MB (1GB);

Creating a temporarily Directory/Folder for the WIM to be mounted  
MKDIR C:\Mounted\_WIM

Creating a Backup of the WIM File before modification  
COPY "C:\Program Files  
(x86)\LANDesk\ManagementSuite\LANDESK\Boot\BOOT.WIM" "C:\Program Files  
(x86)\LANDesk\ManagementSuite\LANDESK\Boot\BOOT\_BAK.WIM"

Mounting the WIM file for editing  
DISM.EXE /Mount-Wim /WimFile:"C:\Program Files  
(x86)\LANDesk\ManagementSuite\LANDESK\Boot\BOOT.WIM" /Index:1  
/MountDir:"C:\Mounted\_WIM"

Find the current setting of the Scratch Space  
DISM.EXE /Image:"C:\Mounted\_WIM" /Get-ScratchSpace

Set the Scratch Space  
Source Reference:  
[Add an Application to a Windows PE Image](#)  
DISM.EXE /Image:"C:\Mounted\_WIM" /Set-ScratchSpace:512

If 512MB does not solve your problem, you will need to manually force it to 1024MB under the registry with the following;  
DISM will not set scratch space larger than 512.  
Source Reference:  
[Sizing PE's RAM Drive — Internals.io](#)

```
REG.EXE LOAD "HKLM\WinPE_WIM" "C:\Mounted_WIM\Windows\System32\CONFIG\SYSTEM"  
REG.EXE ADD "HKLM\WinPE_WIM\ControlSet001\Services\FBWF" /v "WinPECacheThreshold" /t  
REG_DWORD /d "1024" /F  
REG.EXE UNLOAD "HKLM\WinPE_WIM"
```

Validate the Scratch Space  
DISM.EXE /Image:"C:\Mounted\_WIM" /Get-ScratchSpace

Comitting the change and unmounting the WIM  
DISM.EXE /Unmount-Wim /MountDir:C:\Mounted\_WIM /Commit

Once this is done, you will need to re-distribute/update your PXE rep to have the new WIM or manually copy the BOOT.WIM and replace it on the PXE Rep (C:\Program Files (x86)\LANDESK\IPXE\System\images\Boot\BOOT.WIM)

Good Luck : )

This document was generated from the following discussion: [H.I.I. cannot find network drivers for Dell T7910](#)