

Altiris Scripted OS Deployment: Microsoft Windows 2008 R2 and Cisco UCS C-Series Rack Servers Firmware Release 1.4.6

What You Will Learn

This document describes the process for preparing, configuring, and running a scripted installation of Microsoft Windows 2008 R2 on standalone Cisco UCS® C-Series Rack Servers (Firmware Release 1.4.6) using Altiris Deployment Server 6.9 SP5.

This document discusses the following topics:

- · Prerequisites for this document
- How to create a driver repository (DriverDB folder; for use in Altiris Scripted OS deployments of Microsoft Windows 2008 R2)
- How to create a scripted OS deployment job in Altiris Deployment Server 6.9 SP5 (includes required changes to the unattend.xml file to use the newly created DriverDB folder)

Prerequisites for This Document

- · Altiris Deployment Server version
 - Altiris Deployment Solution 6.9 SP5
 - Altiris Microsoft Windows Preexecution (PE) Release 2.1 image

Note: The Altiris Microsoft Windows PE image should be modified using the process outlined in the document Altiris Preboot Image Driver Injection: Cisco UCS C-Series Rack Servers Firmware Release 1.4.6.

- · Tested server operating systems
 - Microsoft Windows 2008 SP2 x64
 - Microsoft Windows 2008 R2 x64

Creating a Driver Repository (DriverDB) for Use with Microsoft Windows 2008 R2

In this section, you create a folder structure containing Microsoft Windows 2008 R2 device drivers from the Cisco UCS C-Series Rack Server drivers ISO image. This folder structure will be used during scripted OS deployments of Microsoft Windows 2008 R2 (edits to the unattend.xml file will instruct the scripted OS deployment to install these drivers during installation.

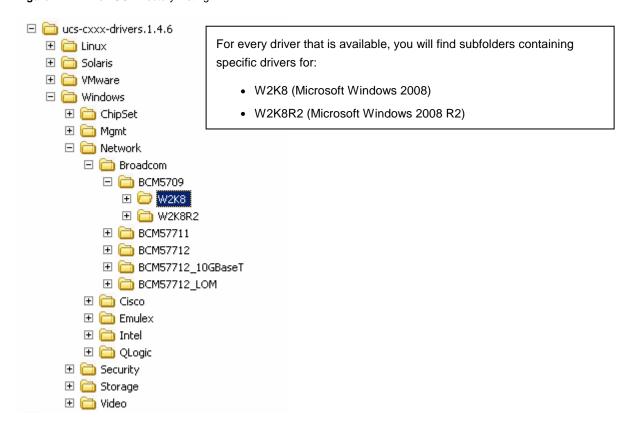
Cisco unifies the OS drivers for Cisco UCS C-Series Servers, packaging certified drivers into a unified ISO image based on the firmware level with which they were certified. This document uses Microsoft Windows OS drivers based on Cisco UCS C-Series Servers Firmware Release 1.4.6.

Here is a direct link to the driver ISO image for Cisco UCS C-Series Servers Firmware Release 1.4.6:

http://download.cisco.com/swc/esd/06/283860950/guest/ucs-cxxx-drivers.1.4.6.iso?

After the ISO image is extracted (for example, using WinZip, WinRAR, or 7-Zip), the drivers are placed into folders based on OS category: Linux, Solaris, Microsoft Windows, or VMware. Only the Microsoft Windows folder is discussed here (Figure 1).

Figure 1. Driver ISO Directory Listing



The next steps involve copying device driver folders from the driver ISO image. The goal is to create a folder structure containing all the Microsoft Windows 2008 device drivers that are required for the Altiris preboot image. You should rename the subfolders so that you can easily identify the vendor, device model, and OS and architecture to which the driver applies. For example, for the Intel ICH10 disk controller, you could use Cisco_Intel_ICH10_W2K8_x64.

The drivers in the ISO are not all in a consistent format. The best approach is to extract the drivers for a specific device into a single folder that includes all required device driver files (.cat, .inf, and .sys). Some drivers are simplified, but others require some manipulation (for example, you may need to extract drivers from an executable installation file or identify the specific driver folder that is required for Microsoft Windows plug-and-play support).

Note: If a small ISO file is included in the driver directory, this ISO contains the exact drivers needed for this exercise.

All the drivers required are documented in the Altiris Support Matrix spreadsheet (on the Driver Injection Matrix tab). They are divided into five categories: chip sets, disk controllers, network adapters, SAN host bus adapters (HBAs), and converged network adapters (CNAs).

Tables 1 through 5 provide matrices of the five categories of devices that are supported with the Cisco UCS C-Series Rack Servers along with any additional instructions required for extracting the drivers. Figure 2 provides an example of driver extraction using the WinRAR right-click context menu.

Table 1. Chip Set Drivers

Chip Sets	Driver Path	Special Instructions
Cisco UCS C22	\Windows\ChipSet\Intel\C22\W2K8R2\AII	None
Cisco UCS C24	\Windows\ChipSet\Intel\C24\W2K8R2\AII	None
Cisco UCS C200	\Windows\ChipSet\Intel\C200\W2K8R2\	Not required (Inbox driver)
Cisco UCS C210	\Windows\ChipSet\Intel\C210\W2K8R2\	Not required (Inbox driver)
Cisco UCS C220	\Windows\ChipSet\Intel\C220\W2K8R2\AII	None
Cisco UCS C240	\Windows\ChipSet\Intel\C240\W2K8R2\All	None
Cisco UCS C250	\Windows\ChipSet\Intel\C250\W2K8R2\	Not required (Inbox Driver)
Cisco UCS C260	\Windows\ChipSet\Intel\C260\W2K8R2\All	None
Cisco UCS C460	\Windows\ChipSet\Intel\C460\W2K8R2\AII	None

Table 2. Disk Controller Drivers

Disk Controllers	Driver Path	Special Instructions
Onboard ICH10	\Windows\Storage\Intel\ICH10R\W2K8R2\x64	Extract and use the contents of ICH10R_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
Intel C600	\Windows\Storage\Intel\C600\W2K8R2\x64	Extract and use the contents of C600_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 1064E	\Windows\Storage\LSI\106xE\W2K8R2\x64	Extract and use the contents of 106xE_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 1068E (Mezzanine Card)	\Windows\Storage\LSI\106xE\W2K8R2\x64	Extract and use the contents of 106xE_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 9260-4i	\Windows\Storage\LSI\92xx\W2K8R2\x64	Extract and use the contents of 92xx_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 9260-8i	\Windows\Storage\LSI\92xx\W2K8R2\x64	Extract and use the contents of 92xx_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 9261-8i	\Windows\Storage\LSI\92xx\W2K8R2\x64	Extract and use the contents of 92xx_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 9280-4i4e	\Windows\Storage\LSI\92xx\W2K8R2\x64	Extract and use the contents of 92xx_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI SAS3081E-R	\Windows\Storage\LSI\3081E-R\W2K8R2\x64	Extract and use the contents of 3081E-R_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI SAS 2008-8i	\Windows\Storage\LSI\2008M\W2K8R2\x64	Extract and use the contents of 2008M_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI SAS 8708EM2	\Windows\Storage\LSI\8708EM2\W2K8R2\x64	Extract and use the contents of 8708EM2_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.
LSI 9201 Mass Storage	\Windows\Storage\LSI\9201\W2K8R2\x64	Extract and use the contents of 9201_W2K8R2_x64.iso. Extract with WinZip, WinRAR, or 7-Zip.

Folders Date Modified Size Type Attri 106xE_W2K8_x64.iso A ☐ (iii) ucs-coox-drivers.1.4.6 DriverConfigParam.del Open AM Α El Cinux Add to archive... sas.inf AM E Solaris Add to "106xE_W2K8_x64.rar" si_sas.pdb ksi_sas.sys AM A Compress and email... AM ☐ Windows Compress to "106xE_W2K8_x64.rar" and email Isimpt2008.txt AM Д ⊕
☐ ChipSet Extract files... lsinodry.inf AM ⊕ C Mgmt Extract Here MPT_INTRO.TXT AM Δ Network Extract to 106xE_W2K8_x64\ MPT_LEGAL.TXT AM A E Security MPT_READ.TXT Open With AM A E Corage <u>IextPad</u> sylvx64.cat AΜ A Broadcom wdcfg.exe Mount (VCD E: (...I\ICH10R\W2K8\x64\ICH10R_W2K8_x64.iso)) AM A E Cisco E Emulex Send To Intel Cut 🖂 🧰 LSI ⊕ 🧰 92xx Сору ☐ 🗀 106xE Create Shortcut □ □ W2K8 Delete ⊞ 🧽 x64 Rename Properties ■ ○ 3081E-R 9201 E CLogic ⊕ 🛅 Video Folders Size Type Name ~ Date Modified Attri DriverConfigParam.def 12/20/2010 3:27 AM 20 KB DEF File ☐ acs-cxx-drivers.1.4.6 j∳lsi_sas.inf disi_sas.pdb 7 KB Setup Information 12/20/2010 3:27 AM ⊕ □ Linux 379 KB PDB File 12/20/2010 3:27 AM E Colaris lsi_sas.sys 12/20/2010 3:27 AM 131 KB System file 12/20/2010 3:27 AM simpt2008.txt 16 KB Text Document □ 🗀 Windows 12/20/2010 3:27 AM lsinodry.inf 5 KB Setup Information MPT INTROJEXT 7 KB Text Document 12/20/2010 3:27 AM Mgmt MPT_LEGAL.TXT 4 KB Text Document 12/20/2010 3:27 AM Metwork MPT_READ.TXT 2 KB Text Document 12/20/2010 3:27 AM Security svlhx64.cat 14 KB Security Catalog 1/22/2011 3:23 AM ☐ ☐ Storage wdcfg.exe 134 KB Application 12/20/2010 3:27 AM 🖭 🧀 Broadcom 🖭 🧀 Cisco Emulex 🕀 🧰 Intel □ L5I ⊕ □ 92xx ☐ (a) 106xE ☐ 🗀 W2K8 E (□ x64 ⊞ C W2K8R2 ⊞ 🛅 3081E-R ⊞ (a) 8708EM2 9201 (QLogic ⊕ 🗀 Video

Figure 2. Example of Driver Extraction (LSI 1064E Driver) Using WinRAR

Table 3. Network Adapter Drivers

Network Adapters	Driver Path	Special Instructions
Intel 82576NS (LAN on Motherboard [LOM])	\Windows\Network\Intel\82576\W2K8\x64	Extract PROWinx64.exe. Use the contents of \PROWinx64\PRO1000\Winx64\NDIS61\.
Intel Quad E1G44ETG1P20	\Windows\Network\Intel\82576\W2K8\x64	Extract PROWinx64.exe. Use the contents of \PROWinx64\PRO1000\Winx64\NDIS61\.
Intel X520	\Windows\Network\Intel\X520\W2K8\x64	Extract PROWinx64.exe. Use the contents of \PROWinx64\PROXGB\Winx64\NDIS61\.
Intel 1350	\Windows\Network\Intel\l350\W2K8\x64	Extract PROWinx64.exe. Use the contents of \PROWinx64\PRO1000\Winx64\NDIS61\.

Network Adapters	Driver Path	Special Instructions
Broadcom 5709 (Small Computer System Interface over IP [iSCSI])	\Windows\Network\Broadcom\ BCM5709\W2K8\x64\ois	None
Broadcom 5709 (Network Interface Card [NIC])	\Windows\Network\Broadcom\ BCM5709\W2K8\x64\nic	None
Broadcom 57711 (iSCSI)	\Windows\Network\Broadcom\ BCM57711\W2K8\x64\ois	None
Broadcom 57711 (NIC)	\Windows\Network\Broadcom\ BCM57711\W2K8\x64\nic	None
Broadcom 57712 (iSCSI)	\Windows\Network\Broadcom\ BCM57712\W2K8\x64\ois	None
Broadcom 57712 (NIC)	\Windows\Network\Broadcom\ BCM57712\W2K8\x64\nic	None
Broadcom 57712_10GBASE-T (iSCSI)	\Windows\Network\Broadcom\ BCM57712_10GBaseT\W2K8\x64\ois	None
Broadcom 57712_10GBASE-T (NIC)	\Windows\Network\Broadcom\ BCM57712_10GBaseT\W2K8\x64\nic	None
Broadcom 57712_LOM (iSCSI)	\Windows\Network\Broadcom\ BCM57712_LOM\W2K8\x64\ois	None
Broadcom 57712_LOM (NIC)	\Windows\Network\Broadcom\ BCM57712_LOM\W2K8\x64\nic	None
Mellanox ConnectX-2 EN	Not certified by Cisco for Microsoft Windows	_

Table 4. SAN HBA Drivers

SAN HBAs	Driver Path	Special Instructions
Emulex LPe 11002 (4 Gb)	\Windows\Storage\Emulex\LPe1x002\W2K8\x64	None
Emulex LPe 12002 (8 Gb)	\Windows\Storage\Emulex\LPe1x002\W2K8\x64	None
QLogic QLE2462 (4 Gb)	\Windows\Storage\QLogic\QLE2x62\W2K8\x64	None
QLogic QLE2562 (8 Gb)	\Windows\Storage\QLogic\QLE2x62\W2K8\x64	None

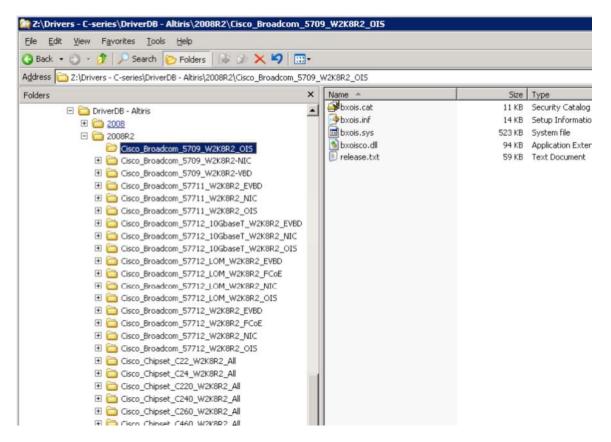
Table 5. CNA Drivers

CNAs	Driver Path	Special Instructions
Cisco UCS P81E Virtual Interface Card (VIC) (Ethernet-enic)	\Windows\Network\Cisco\P81E\W2K8R2\x64	None
Cisco UCS P81E VIC (Fibre Channel over Ethernet [FCoE]-fnic)	\Windows\Storage\Cisco\P81E\W2K8R2\x64	None
Cisco USC VIC 1225 (Ethernet-enic)	\Windows\Network\Cisco\1225\W2K8R2\x64	None
Cisco UCS VIC 1225 (FCoE-fnic)	\Windows\Storage\Cisco\1225\W2K8R2\x64	None
Emulex OCe10102-F (Ethernet)	\Windows\Network\Emulex\OCe10102\W2K8R2\x64	None
Emulex OCe10102-F (FCoE)	\Windows\Storage\Emulex\OCe10102\W2K8R2\x64	None
Emulex OCe11102-F (Ethernet)	\Windows\Network\Emulex\OCe11102\W2K8R2\x64	None
Emulex OCe11102-F (FCoE)	\Windows\Storage\Emulex\OCe11102\W2K8R2\x64	None
QLogic QLE8152 (Ethernet)	\Windows\Network\QLogic\QLE8152\W2K8R2\x64	None
QLogic QLE8152 (FCoE)	\Windows\Storage\QLogic\QLE8152\W2K8R2\x64	None
QKogic QLE8242 (Ethernet)	\Windows\Network\QLogic\QLE8242\W2K8R2\x64	None

CNAs	Driver Path	Special Instructions
QLogic QLE8242 (FCoE)	\Windows\Storage\QLogic\QLE8242\W2K8R2\x64	None
Broadcom 57712 (FCoE)	\Windows\Storage\Broadcom\BCM57712\W2K8R2\x64\FCoE	None
Broadcom 57712_LOM (FCoE)	\Windows\Storage\Broadcom\BCM57712_LOM\W2K8R2\x64\FCoE	None

When you are finished, you should have a folder structure containing all the driver folders referenced in Tables 1 through 5, renamed according to their functions (Figure 3).

Figure 3. Folder Structure for All Drivers

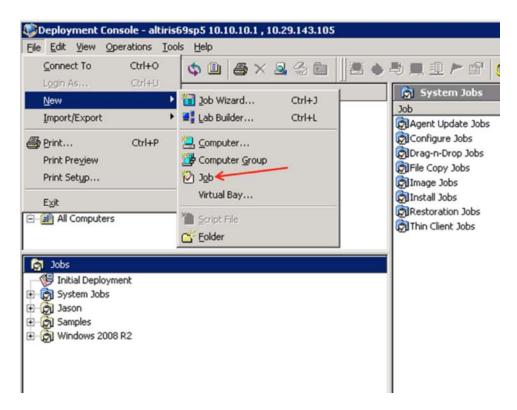


Creating an Altiris Job for Scripted OS Deployment of Microsoft Windows 2008 R2

This section discusses how to:

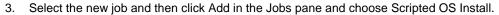
- Create an OS installation source in Altiris for Microsoft Windows 2008 R2
- Use the DriverDB folder (created in the preceding section) that contains all the required Cisco drivers needed during scripted OS deployment of Microsoft Windows 2008 R2
- Make the modifications necessary to the scripted OS deployment unattend.xml file so that the drivers in the DriversDB folder are used during the device discovery phase of Microsoft Windows installation

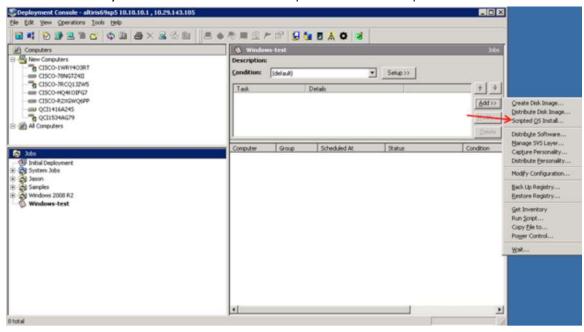
1. To create an OS repository, open the Altiris Deployment Console, click File, and choose New > Job.



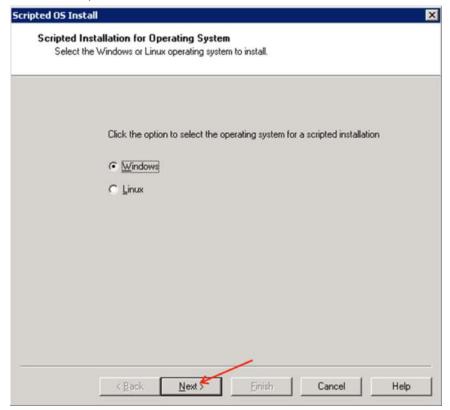
2. You will see a new job appear in the Jobs pane (in the lower-left corner). Provide a user-friendly name (Windows-test in this example).



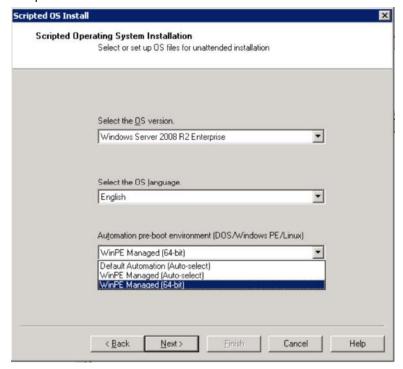




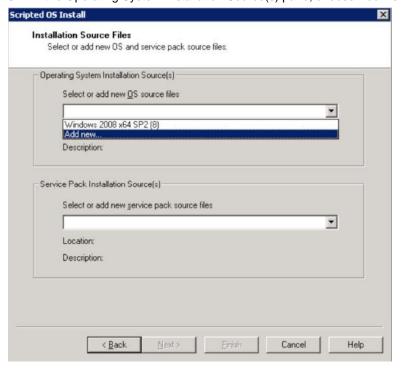
4. In the Scripted OS Install Window, select the Windows button; then click Next.



On the following screen, from the "Select the OS version" drop-down menu, choose Windows Server 2008
 R2 Enterprise. Choose English for the OS language and specify the newly modified WinPE image for the preboot environment.



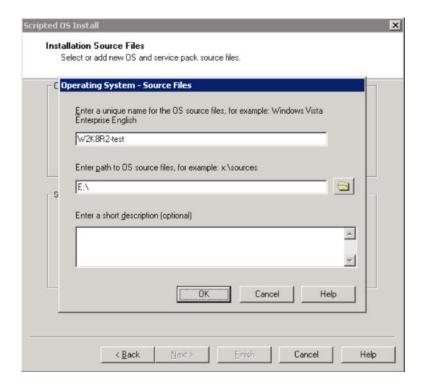
6. In the Operating System Installation Source(s) pane, choose Add New.



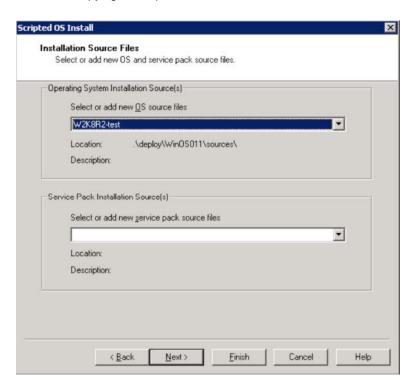
- 7. The wizard will now ask for source files.
 - a. Enter a unique name (W2K8R2-test in this example)
 - b. Enter the path to the source Microsoft Windows installation media: for example, E:\.

Note: Do not use the recommended path structure x:\sources. Instead browse to the Setup.exe file in the root of the source media.

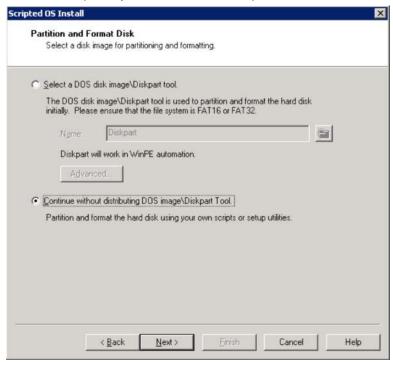
c. Click OK. The files will begin to be copied.

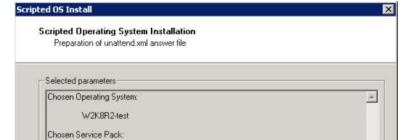


8. When copying is complete, click Next.



9. On the Partition and Format Disk screen, make a selection according to your environment (in the example here, a separate job is used to clean and partition the local disks before OS deployment). Then click Next.





Eath of the unattend.xml C:\Program Files\Altiris\eXpress\Deployment Server\De

Next >

Einish

Hard disk preparation mode: Using Diskpart

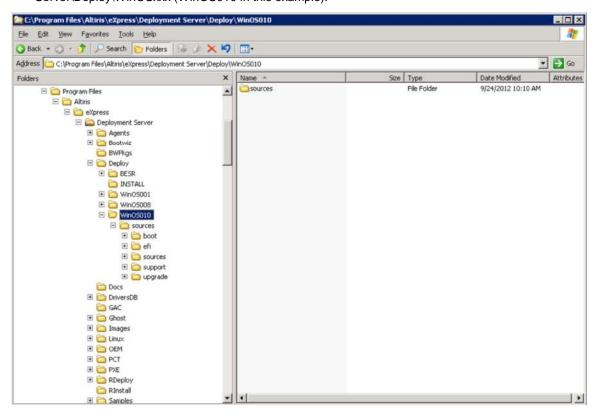
< Back

10. Browse to the unattend.xml file (or to the default); then click Finish.

At this point, you will see the new OS source directory in C:\Program Files\Altiris\eXpress\Deployment Server\Deploy\WinOSxxx (WinOS010 in this example).

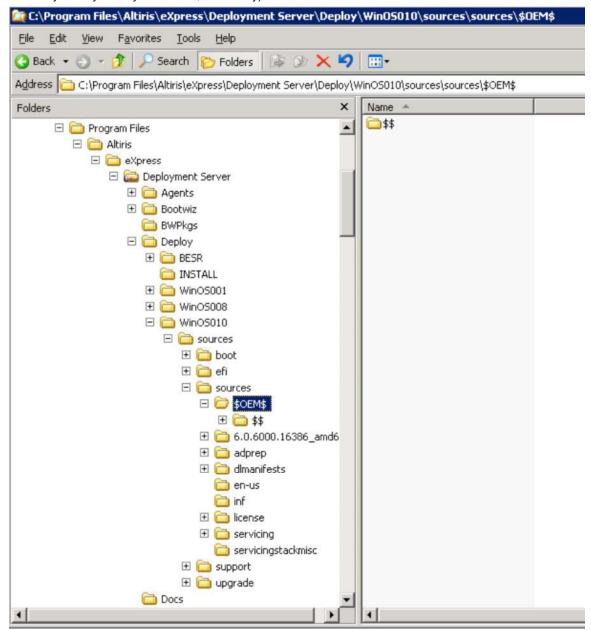
Cancel

Help



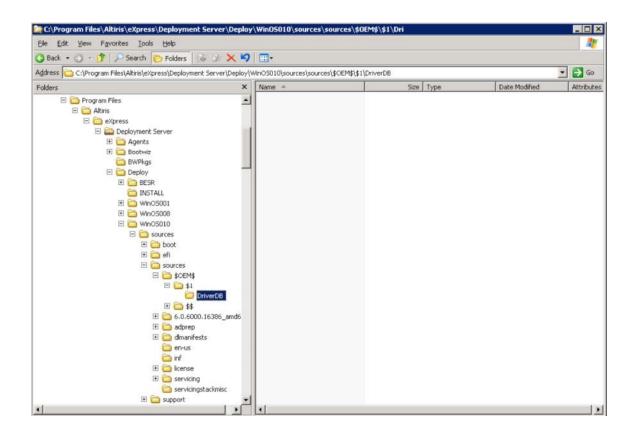
Adding a DriverDB Folder to Your Altiris OS Source Directory for Microsoft Windows 2008 R2

1. Navigate to the sources\sources\\$OEM\$ folder of your new OS source directory (you will see a \$\$ directory, but you may or may not see a \$1 directory).

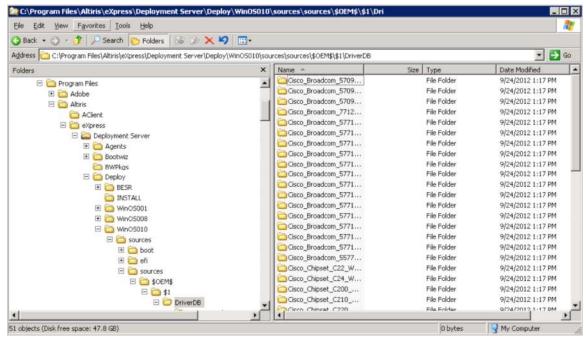


2. In the \$OEM\$ folder, create a new folder called \$1 (if it does not already exist), and inside the \$1 folder create a new folder called DriverDB. The path in this example is C:\Program Files\Altiris\eXpress\Deployment Server\Deploy\WinOS010\sources\sources\\$OEM\$\\$1\DriverDB\.

Note: Any folders inside the \$1 folder are copied to %SYSTEMROOT% on the target drive of the OS being deployed (C:\ in this example).



 Populate the new DriverDB directory with all the folders created earlier in the section "Creating a Driver Repository (DriverDB) for Use with Microsoft Windows 2008 R2."



4. Now that the DriverDB folder is populated, you need to modify the unattend.xml file, adding some syntax to direct the Microsoft Windows installer to install drivers from this directory during the scripted installation process. Browse to the unattend.xml file that was specified in the job and open it in a text editor. The following screen image shows the section of code that needs to be added to the unattend.xml file.

Note: Microsoft Windows Automated Installation Kit (WAIK) contains a utility called Microsoft Windows System Image Manager (WSIM) that can also be used to edit and validate the unattend.xml file using the catalog in the Microsoft Windows installation media. This tool verifies that the options entered are valid for the specific media you are using for the installation.

Unattend.xml File for Microsoft Windows 2008 R2

The working unattend.xml file used in the testing for this document is shown here.



Altiris_W2K8R2_unattend.xml

```
<?xml version="1.0" encoding="utf-8"?>
<unattend xmlns="urn:schemas-microsoft-com:unattend">
      <settings pass="specialize">
                        <component name="Microsoft-Windows-Shell-Setup"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                                   <ComputerName>%COMPNAME%</ComputerName>
                                                 <ProductKey>XXXXX-XXXXX-XXXXX-XXXXX</productKey>
                        </component>
                              <component name="Microsoft-Windows-Deployment"</pre>
processorArchitecture="x86" publicKeyToken="31bf3856ad364e35" language="neutral"
versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                                                 <RunSynchronous>
                                                                     <RunSynchronousCommand wcm:action="add" wcm:keyValue="1">
                                                                                            <Order>1</Order>
"HKLM\SOFTWARE\Policies\Microsoft\Windows
\verb|NT\currentVersion\end| NetworkList\signatures\firstNetwork" /v Category /t REG_DWORD | NetworkList\signatures\firstNetwork | NetworkList\signa
/d 00000000 /f</Path>
                                                                           </RunSynchronousCommand>
                                                       </RunSynchronous>
```

```
</component>
    </settings>
    <settings pass="windowsPE">
        <component name="Microsoft-Windows-International-Core-WinPE"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <SetupUILanguage>
                <UILanguage>en-us</UILanguage>
            </SetupUILanguage>
            <InputLocale>0409:00000409</InputLocale>
            <SystemLocale>en-us</SystemLocale>
            <UILanguage>en-us</UILanguage>
            <UserLocale>en-us</UserLocale>
        </component>
            <component name="Microsoft-Windows-PnpCustomizationsWinPE"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                <DriverPaths>
                     <PathAndCredentials wcm:keyValue="7cc3b5a1" wcm:action="add">
                         <Path>C:\DriverDB</Path>
                     </PathAndCredentials>
                </DriverPaths>
            </component>
        <component name="Microsoft-Windows-Setup"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <ImageInstall>
                <OSImage>
                     <InstallTo>
                         <DiskID>0</DiskID>
                         <PartitionID>1</PartitionID>
                     </InstallTo>
              <InstallFrom>
                 <MetaData>
                        <Key>/IMAGE/Name</Key>
                        <Value>%OSIMAGENAME%</Value>
                 </MetaData>
              </InstallFrom>
          </OSImage>
            </ImageInstall>
            <UserData>
                <!--ProductKey>
```

```
<Key> XXXXX-XXXXX-XXXXX-XXXXX </Key>
                </ProductKey-->
                <AcceptEula>true</AcceptEula>
            </UserData>
        </component>
    </settings>
        <settings pass="offlineServicing">
            <component name="Microsoft-Windows-PnpCustomizationsNonWinPE"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                <DriverPaths>
                    <PathAndCredentials wcm:keyValue="5abbbda0" wcm:action="add">
                         <Path>C:\DriverDB</Path>
                     </PathAndCredentials>
                </DriverPaths>
            </component>
    </settings>
    <settings pass="oobeSystem">
        <component name="Microsoft-Windows-Shell-Setup"</pre>
processorArchitecture="%PROCTYPE%" publicKeyToken="31bf3856ad364e35"
language="neutral" versionScope="nonSxS"
xmlns:wcm="http://schemas.microsoft.com/WMIConfig/2002/State"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <00BE>
                <hideEULAPage>true</hideEULAPage>
                <SkipUserOOBE>true</SkipUserOOBE>
                <NetworkLocation>Work</NetworkLocation>
                <ProtectYourPC>1</ProtectYourPC>
            </00BE>
            <RegisteredOrganization>Altiris</RegisteredOrganization>
            <RegisteredOwner>Altiris User</RegisteredOwner>
            <TimeZone>Mountain Standard Time</TimeZone>
              <UserAccounts>
                <AdministratorPassword>
                     <Value>altiris</Value>
                     <PlainText>true</PlainText>
                </AdministratorPassword>
                <LocalAccounts>
                    <LocalAccount wcm:action="add">
                         <Password>
                             <Value>altiris</Value>
                             <PlainText>true</PlainText>
                         </Password>
                         <Name>Altiris</Name>
                         <Description>Altiris User</Description>
                         <DisplayName>Altiris</DisplayName>
                        <Group>Administrators</Group>
```

For More Information

Cisco UCS C-Series Rack Servers



Americas Headquarters Cisco Systems, Inc. San Jose, CA Asia Pacific Headquarters Cisco Systems (USA) Pte. Ltd. Singapore Europe Headquarters

Cisco Systems International BV Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Printed in USA C11-721702-00 12/12