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NBMR

Cristie Bare Machine Recovery

WDS Network Boot Setup Guide

For Windows

May 2011

Version 6.3

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Contents

1	Introduction	4
	1.1 Overview	4
2	WDS Server	5
	2.1 Prerequisites	5
	2.2 Adding the NBMR boot image to a WDS Server	5
	2.3 Boot the NBMR WinPE 2 client from the WDS Server	8
3	Cristie Technical Support	11

1 Introduction

This document gives an overview of how to setup the Windows PE based DR environment for NBMR so that it can be network booted from a WDS server; it is not intended to be a fully instructional guide for the process of installing WDS, or any advanced options thereof. For information relating to this, you should consult the Microsoft installation guides which can be found at <http://www.microsoft.com>.

In addition, this document assumes you have a working WDS server already running. If you do not, you should consult the Microsoft documentation in order to install and configure your WDS server.

1.1 Overview

WinPE 2 is based on Windows Server 2008, Vista, and Windows 7 technology and should be used for recovery of those operating systems.

Note: the scenario for the WDS Server, using WinPE 2, used in this document was created using Windows Server 2003 Enterprise Edition with Service Pack 2. Note that using WDS is exactly the same in this version of Windows as it is in later versions of Windows Server (ie. 2008R2).

2 WDS Server

As stated earlier, the scenario for the WDS Server used in this document was created using Windows Server 2003 Enterprise Edition with Service Pack 2.

2.1 Prerequisites

AD DS - a Windows Deployment Services server must be either a member of an **Active Directory Deployment Service** domain or a domain controller for an AD DS domain. The AD DS domain and forest versions are irrelevant; all domain and forest configurations support Windows Deployment Services.

DHCP - you must have a working DHCP server with an active scope on the network because Windows Deployment Services uses PXE, which relies on DHCP for IP addressing.

DNS - you must have a working DNS server on the network before you can run Windows Deployment Services.

NTFS volume - the server running Windows Deployment Services requires an NTFS file system volume for the image store.

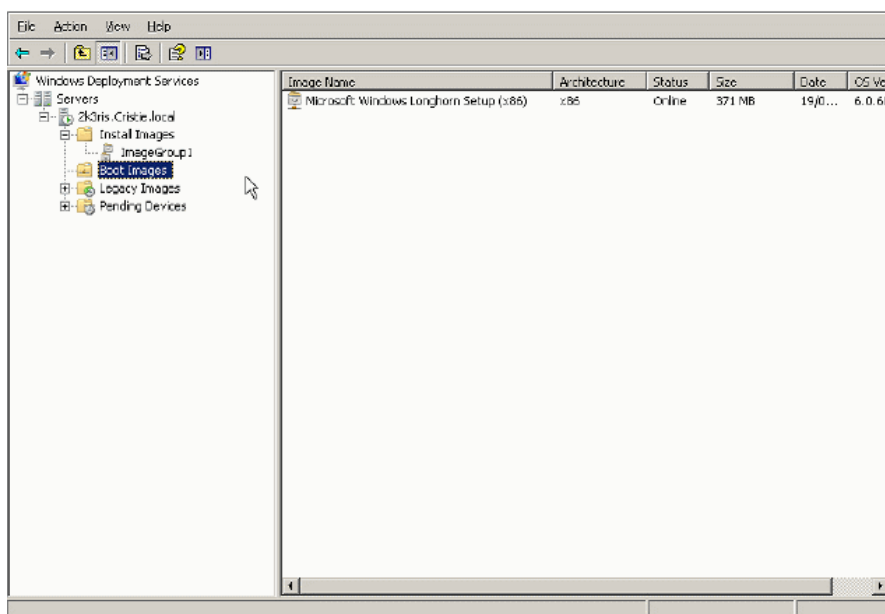
Credentials - to install the role, you must be a member of the Local Administrators group on the server. To initialise the server, you must be a member of the Domain Users group.

Boot & Install Images - before you can deploy a NBMR image, you must have at least one Boot Image and one Install Image installed. To achieve this, install the default images provided on the installation CD for Windows Server 2008 R2.

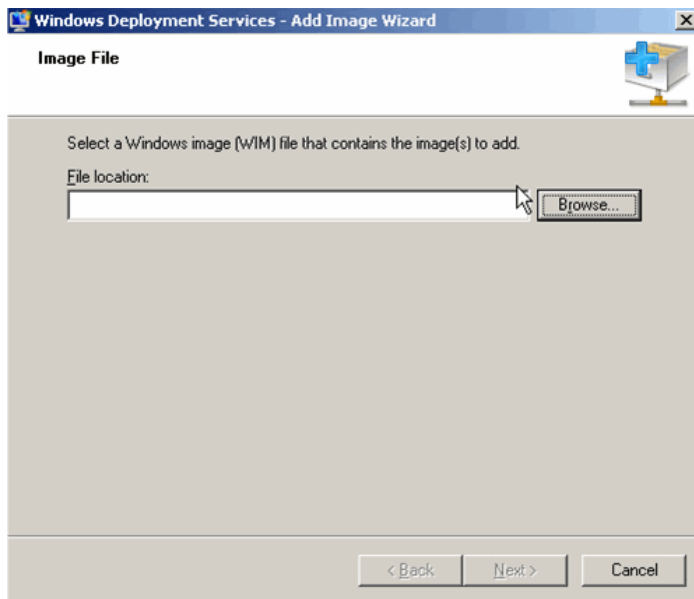
Ensure the client machine has at least 1024MB of RAM which is the minimum amount of RAM for booting a NBMR DR image.

2.2 Adding the NBMR boot image to a WDS Server

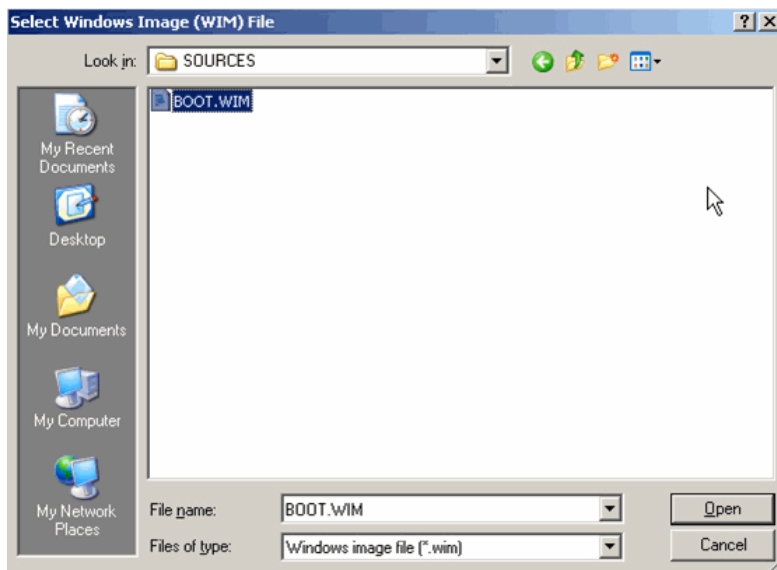
Open the WDS console in your **Windows Server** and right click on Boot Images. Select '**Add boot image**' from the menu.



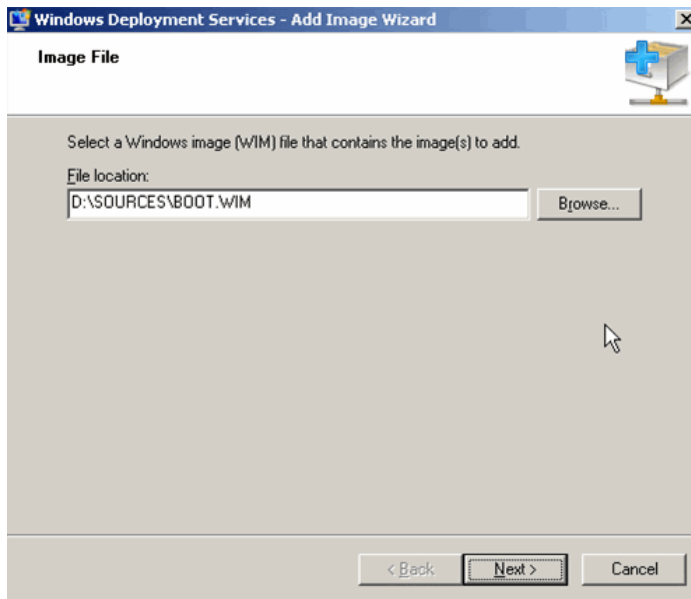
At this point, ensure that your NBMR CD is inserted into the CD/DVD drive, or is accessible via a network connection. Click on the [Browse](#) button and navigate to the `SOURCES` folder on the root of the CD.



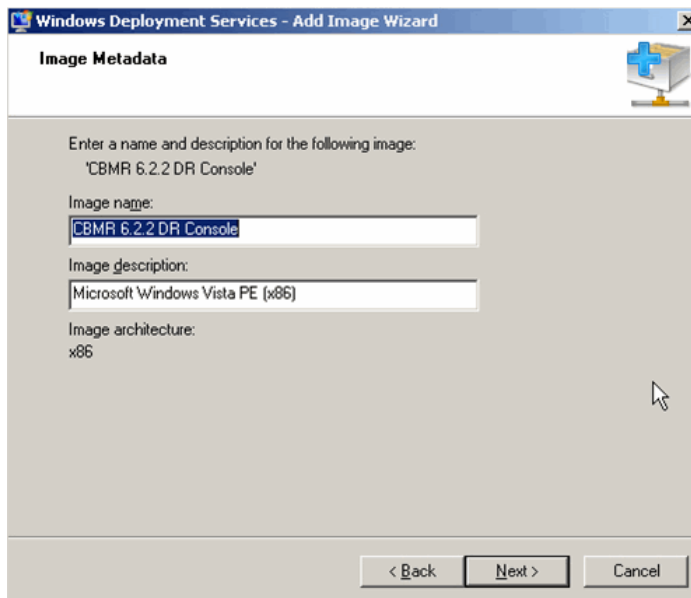
Select the `BOOT.WIM` file and click [Open](#).



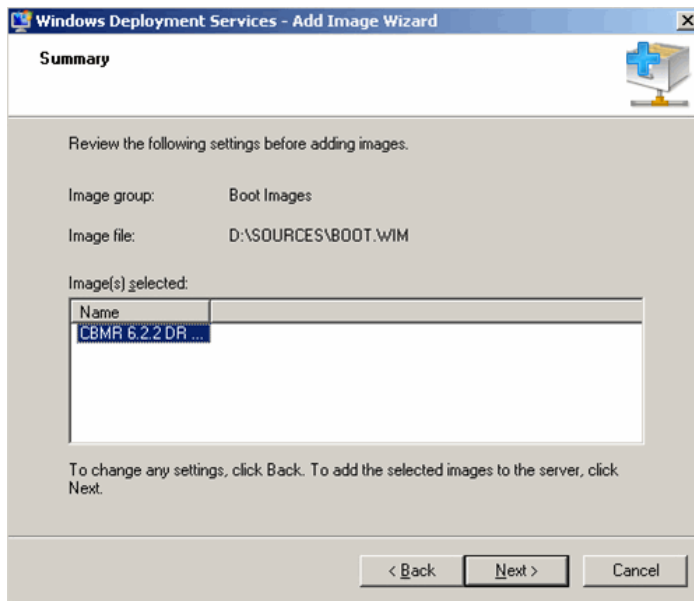
Click [Next](#) when the correct path appears.



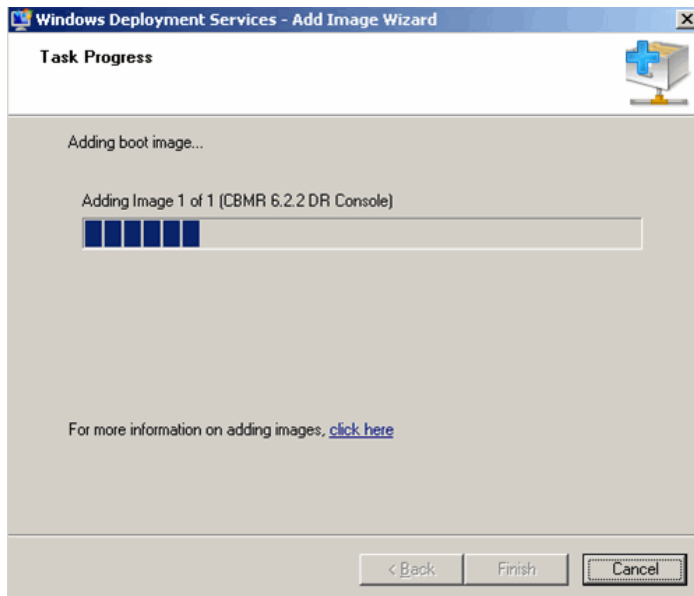
Click [Next](#) to confirm the name and description of the image.



Review the information and click [Next](#) to continue.



The image will now copy on to the WDS server. When this has completed, click [Finish](#).



The NBMR image will now appear in the WDS console.

2.3 Boot the NBMR WinPE 2 client from the WDS Server

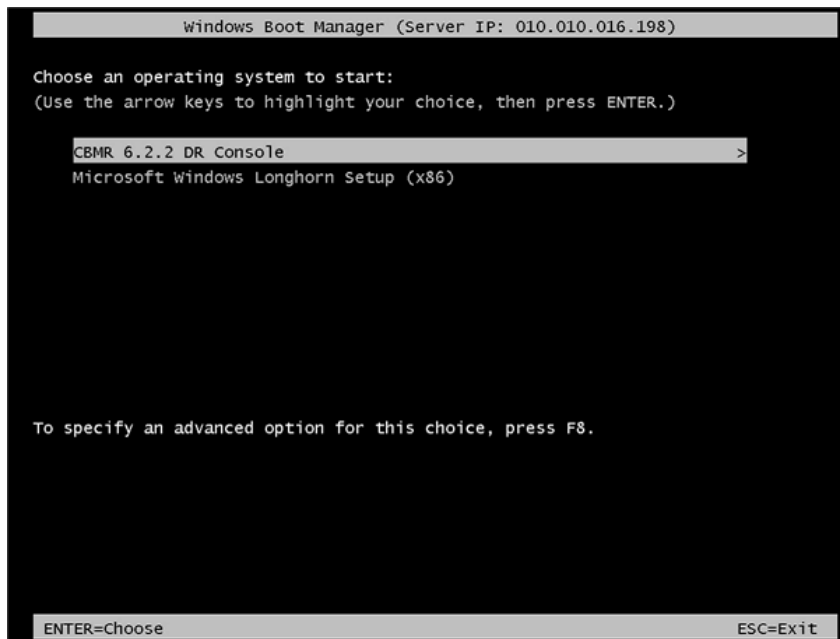
This section describes how to boot the **NBMR DR WinPE 2** console on a computer that contains a network adapter that supports PXE DHCP-based boot ROM.

Make sure that the network adapter is set as the primary boot device in the computer BIOS.

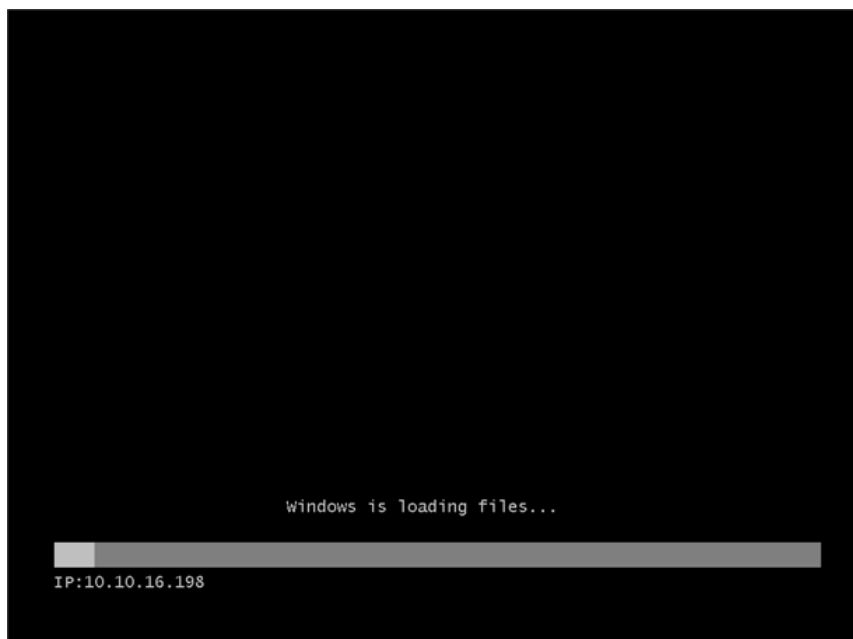
Restart the client computer from the network adapter.

When you are prompted to do so, press **F12** to start the download of the **Client Installation Wizard**.

You will then be presented with the image menu. Select '**CBMR 6.3 DR Console**'.










The boot image will now load. You will see the IP address of the WDS server from which the image is loading in the bottom left hand corner of the screen.



When the download completes, the **NBMR DR Console** will start.


TBMR Recovery Console



-  Starts the automatic recovery wizard which will take you through the steps necessary to recover your system.
-  Starts the manual recovery wizard which will let you do individual recovery steps.
-  Lets you run various tools relevant to the recovery.
-  Shows a list of log and error report files from which individual ones can be selected for viewing in notepad.
-  Lets you copy all the log and error report files to a removable media or network location for support purposes.
-  Will close this console and reboot the system.

Set the timezone and time - 8/5/2010 9:44:47 AM

TBMR Recovery Console Version 6.3 Build 151
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United Kingdom
<http://www.cristie.com>



Once you have agreed to the licencing terms, you can start the recovery as normal. Refer to the product user guide for licencing details.

3 Cristie Technical Support

If you have any queries or problems concerning your Cristie Bare Machine Recovery product, please contact **Cristie Technical Support**. To assist us in helping with your enquiry, make sure you have the following information available for the person dealing with your call:

- NBMR Version Number
- Windows OS and Version Number
- Any error message information (if appropriate)
- Description of when the error occurs

Contact Numbers - Cristie Software (UK) Limited

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Technical Support Fax +44 (0) 1453 847 003

Toll-Free US Number 1-866-TEC-CBMR (1-866-832-2267)

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Email cbmr@cristie.com

Web www.cristie.com

Support Hours

05:00 to 17:00 Eastern Standard Time (EST) Monday to Friday

Out-of-Hours support available to customers with a valid Support Agreement - Severity 1 issues* only

UK Bank Holidays** classed as Out-of-Hours - Severity 1 issues only.

**Severity 1 issues are defined as: a production server failure, cannot perform recovery or actual loss of data occurring.*

***For details on dates of UK Bank Holidays, please see www.cristie.com/support/*

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