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Dell™ Lifecycle Controller Integration for Microsoft® System
Center Configuration Manager VERSION 1.0 README

#####

Release Date: October 2009

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MINIMUM REQUIREMENTS

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This section provides information about the minimum requirements for installing and using Dell™ Lifecycle Controller Integration for Microsoft® System Center Configuration Manager (DLCI for ConfigMgr).

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SYSTEM REQUIREMENTS

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Any system with Microsoft System Center Configuration Manager and DSDP 1.1 installed with at least 40Mb of free space.

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SUPPORTED OPERATING SYSTEMS

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- * Microsoft® Windows Server® 2008 x86 and X64
- * Microsoft® Windows Server® 2003 x86

Installation of DLCI for ConfigMgr is not supported on Linux operating systems, Server 2003 x64, Vista and Windows 7.

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Software Prerequisites and Requirements

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Install the following applications on your system:

- * Microsoft System Center Configuration Manager 2007 (ConfigMgr).
- * Dell Server Deployment Pack (DSDP) for ConfigMgr version 1.1. For details on how to install DSDP for ConfigMgr, see the Dell Server Deployment Pack for Microsoft System Center Configuration Manager User's Guide on the Dell Support site at support.dell.com/manuals.
- * Microsoft .NET version 3.5 SP1.
- * Windows Remote Management (WinRM) on systems on which provisioning server is running on Microsoft Windows 2003 operating system.
- * Apply the hotfix from the Microsoft Knowledge Base article KB947870, available on the Microsoft support site at support.microsoft.com.
- * Utilities such as "regsvr32.exe" and "icacls.exe".
Note: Regsvr32 is installed on the system by default. Icacls.exe is updated on application of the hotfix for KB947870.
- * Install the WS-Management version 1.1 package from the Microsoft Knowledge Base article KB936059, available on The Microsoft support site at support.microsoft.com.
- * Configure DHCP/DNS settings on the Dell out-of-band controllers. For more information on how to configure DHCP/DNS settings, see the Dell Lifecycle Controller version 1.2 User's Guide on the Dell Support site at support.dell.com/manuals.
- * Ensure that at least 40 MB of free disk space is available on your system.

 INSTALLATION of DLCI for ConfigMgr 1.0
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Use the following steps to install the DLCI for ConfigMgr:

1. Go to the Dell Support website at support.dell.com??Drivers & Downloads.
2. Download the appropriate .msi package for your operating system to the local drive of your system.
3. Double-click the .msi package. The Welcome screen displays.
4. Click Next. The license agreement displays.
5. Select I accept the terms in the license agreement and click Next.
6. Enter the username and password that will be provisioned on all newly discovered systems with iDRAC and click Next.
7. Enter the administrator credentials for ConfigMgr and click

- Next. The Ready to Install the Program window displays.
8. Click Install. A progress screen displays the progress of the installation. Once the installation is complete, the InstallShield Wizard Completed window displays.
 9. Click Finish to complete the installation.

You have successfully installed the DLCI for ConfigMgr.

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KNOWN ISSUES

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This section provides information on open issues with this release of DLCI for ConfigMgr.

1. The Installer does not check for the patch mentioned in the Microsoft Knowledge Base article KB947870 as a part of the pre-requirements check. The install fails without this patch. This does not affect uninstall or reinstall of the utility.
2. The following message is displayed when the installer encounters the error.
“Setting Administrator level access controls failed on <filename>. This could be due to the absence of a hotfix from Microsoft on this system. Please refer Microsoft Knowledge Base article KB947870 for more information and install if required. Please uninstall the DLCI for ConfigMgr prior to installing the hotfix.”
3. Uninstall leaves behind folders and files under <Program Files dir>. This does not affect reinstall of the DLCI for ConfigMgr
4. When obsolete systems are present in a collection the DLCI for ConfigMgr will not update results for operations performed on these systems. It is recommended that obsolete systems be cleaned up from collections prior to using the DLCI for ConfigMgr.
5. When the iDRAC of the target system is in shared mode startup of WinPE may fail. This is due to incorrect network drivers being loaded by WinPE. The steps to correct this issue are documented below.

Creating a Custom Boot Image for iDRAC’s Configured in Shared Network Mode

When deploying an operating system to a server that has it’s iDRAC configured in Shared network mode, the startup of the Windows PE environment can fail on the network drivers,

causing the system to restart prior to reaching the task sequence. This is caused by an incorrect network driver being loaded by Windows PE. More specifically, Windows PE will load the “BroadCom BC5706C NetXtreme II GigE” driver, and an iDRAC operating in Shared mode requires the “BroadCom BC5706C NetXtreme II Monolithic” driver to be loaded.

The steps below provide instructions for creating a new Boot Image in SCCM that does not have the “BroadCom BC5706C NetXtreme II GigE” driver installed, thus allowing the Monolithic driver to be used.

1. Make a new directory for our boot image and copy a Boot.Wim file into the directory.
 - a. In file manager, navigate to
\\<servername>\<management-point>\OSD\Lib\BootImages\Dell\
and create a new folder called “Shared.”
 - b. Copy the Boot.Wim file found at
\\<servername>\<management-point>\OSD\Lib\BootImages\Dell\x86\
Boot.Wim to the “Shared” folder you just created.
2. Create a new Boot Image in Configuration Manager.
 - a. In Configuration Manager, Right click on the Dell PowerEdge Server Deployment folder under Boot Images, and select “Add Boot Image”.
 - b. A wizard will be launched. Navigate to the new directory you created above, and select the boot image.
 - c. After selecting next, Provide a name for the boot Image, such as “Dell PowerEdge Shared iDRAC Boot Image (x86)”. The version and comment fields are not required.
 - d. Click "Next" or "Finish" to complete the wizard.
3. Add Dell Drivers to the Boot Image
 - a. In Configuration Manger under “Computer Management”, “Operating System Deployment”, “Drivers” folder, click on “Dell Server Drivers”.
 - b. Using your shift key, highlight all the drivers listed in the right pane.
 - c. Right click on the highlighted selection, and select “Add or Remove Drivers to Boot Image”
 - d. A new window will appear. While leaving any existing boot images checked, find the name of the boot image we created and check its checkbox.
 - e. Click "OK" to close this window.
4. Remove the “BroadCom BC5706C NetXtreme II GigE” Driver from the Boot Image
 - a. In Configuration Manager under “Computer Management”, “Operating System Deployment”, “Boot Images”, “Dell PowerEdge Server Deployment”, right click on the new Boot Image and select properties.
 - b. In the “Windows PE” tab, highlight the “BroadCom BC5706C NetXtreme II GigE” driver.
 - c. With the driver selected. Click on the red X button to remove the driver from the boot image, and then Click OK.
 - d. A popup will appear asking if you want to update the distribution point. Click the “Yes” button.
 - e. Allow the update of the distribution point to complete and close the dialog.
5. Manage the Distribution Point
 - a. In Configuration Manager under “Computer Management”, “Operating System

- Deployment”, “Boot Images”, “Dell PowerEdge Server Deployment”, right click on the new Boot Image and select “Manage Distribution Points”.
- b. Select the distribution point in the wizard to allow the package to be published to the distribution point.

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