Release Notes

Dell Lifecycle Controller Integration Version 1.0 for Microsoft System Center 2012 Virtual Machine Manager

Release Type and Definition

Dell Lifecycle Controller Integration (DLCI) for Microsoft System Center 2012 Virtual Machine Manager (SC2012 VMM) provides an embedded deployment solution to simplify and improve the operating system deployment on Dell servers. This plugin uses the remote deployment feature of the Integrated Dell Remote Access Controller (iDRAC) with Lifecycle Controller.

Version 1.0 Rev. A00

Release Date: Sep 2014
Previous Version: NA

Importance

RECOMMENDED: Dell recommends the customer review specifics about the update to determine if it applies to your system. The update contains changes that impact only certain configurations, or provides new features that may/may not apply to your environment.

Platform(s) Affected

□ The 13ᵗʰ generation of Dell PowerEdge servers

What is Supported

For information on the hardware and software requirements; Installing and uninstalling DLCI for SC2012 VMM, see the "Dell Lifecycle Controller Integration Version 1.0 for Microsoft System Center 2012 Virtual Machine Manager Installation Guide."

What's New

With DLCI for SC2012 VMM, you can do the following:

- Check for server compliance — ensure that the Dell servers are compliant.

  Compliance of Dell Servers - For using the features available in DLCI for SC2012 VMM, Dell servers must have the required firmware versions of iDRAC, Lifecycle Controller (LC), and BIOS.

  DLCI for SC2012 VMM checks for the required versions of the preceding software and if the required versions of the preceding software are present, then the server is considered as compliant.

- Auto discover unassigned Dell servers — connect the server to the power outlet. The server need not be powered on. Also, the server's iDRAC must have network connectivity and must communicate with the provisioning server for DLCI appliance to automatically discover the Dell servers.
- Servers discovered by appliance are known as unassigned servers and these servers are available for operating system deployment. The servers can be bare-metal servers or servers that need to be redeployed into the SCVMM environment.
- Manually discover unassigned Dell servers — discover the 13th generation of Dell PowerEdge servers and deploy the servers in a virtual environment.

- View inventory of discovered servers — Key inventory details about the Dell Servers are provided.
- Prepare an ideal server configuration, also known as Golden Configuration — Replicate this configuration on the servers that are deployed in to the virtual environment.
  - Edit and modify the golden configuration for boot order and BIOS.
- Create and maintain profiles and templates.
- Customize Microsoft Windows Preinstallation Environment (WinPE) — Prepare customized WinPE images with the latest Dell OpenManage Deployment Toolkit (DTK) drivers.
- Leverage LC Driver Injection feature for the latest factory delivered servers, these servers are shipped with the latest driver packs.
- Deploy hypervisors with or without Lifecycle Controller (LC) Driver injection — from the DLCI appliance, perform hypervisor deployment based on the golden server configuration; replicating BIOS, RAID, and Boot Order settings.
- Launch iDRAC Console from the DLCI Console to view inventory information and do troubleshooting.
- View information on jobs — view information logged for various jobs and tasks that are performed in the DLCI appliance.

For information on Microsoft System Center Virtual Machine Manager, see Microsoft documentation.

Fixes
Not Available

Important Notes
Not Available

Known Issues

Bug 47941: Replicating a Hardware configuration containing RAID-0 will fail systems with S130 controller.
Workaround: The workflow will automatically create a custom RAID configuration (RAID-1) on the selected target system.
Versions Affected:
- 13th generation of Dell PowerEdge servers with S130 controller
- SC2012 VMM 2012 R2 Admin Console
- SC2012 VMM 2012 SP1 Admin Console

38365: When an add-in is imported into the SC2012 VMM console, the console may crash.
Resolution: See issue 5 in this knowledge base
http://support.microsoft.com/kb/2785682
Do this update irrespective of the version of the update rollup that is installed.
Versions Affected:
- SC2012 VMM 2012 R2 Admin Console
- SC2012 VMM 2012 SP1 Admin Console

Installation Prerequisites

System requirements for managed systems:
- For 13TH generation of Dell PowerEdge servers:

  - Lifecycle Controller versions: 2.01.00.01

  - Integration Dell Remote Access Controller: 2.01.00.01

  - Dell OS Driver Pack: 14.05.x
  - Dell OpenManage Deployment Toolkit: 5.0.1

For operating system deployment, following versions of hypervisors are supported:
Operating Systems for Deployment

- Windows Server 2012
  - Windows Server 2012 R2 Standard Edition
  - Windows Server 2012 R2 Datacenter Edition
  - Windows Server 2012 Standard Edition
  - Windows Server 2012 Datacenter Edition
- Windows Server 2008
  - Windows Server 2008 R2 SP1 Standard Edition
  - Windows Server 2008 R2 SP1 Enterprise Edition
  - Windows Server 2008 R2 SP1 Datacenter Edition

Also, see additional system requirements for Managed systems listed in Dell Lifecycle Controller Integration for Microsoft System Center Virtual Machine Manager User's Guide

Installation Procedure

For installation or update procedure related information, see the "Dell Lifecycle Controller Integration Version 1.0 for Microsoft System Center 2012 Virtual Machine Manager Installation Guide."

Contacting Dell

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