# End-to-End Deployment of Updates in SCCM 2012 Using Dell Business Client Catalog

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Figure 61. In	Installation status window	0
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## Introduction

The Dell Business Client Updates Catalog automates the patch process of system updates for Dell Business Client System in a Microsoft ConfigMgr environment.

The catalog files contain detailed information to determine which updates are required for Dell Business Client Systems and how to apply them. You can use it with the software update management functionality of Microsoft ConfigMgr to provide automated BIOS, firmware, driver and Dell application updates.

Dell Businsess Client Systems are Latitude, Optiplex and Dell Precision workstations.

## Scope

This white paper explains how to:

- Import the Dell Client updates Catalog using Microsoft System Center Update Publisher (SCUP 2011)
- Publish to Microsoft System Center Configuration Manager (SCCM 2012)
- Deploy the updates to the target Dell Business Client Systems

This document is not intended to explain SCCM 2012 or SCUP 2011.

Note: The terms Dell Business Client Catalog, Dell Client Catalog, Dell SCUP catalog, Client Catalog and SDP catalog are used interchangeably and the meaning remains same.

## Prerequisites

The following bullets are prerequisites:

- Install and configure Microsoft System Center Configuration Manager (SCCM) 2012
- Install and configure Microsoft System Center Update Publisher (SCUP) 2011
- Install and configure Microsoft Windows Server Update Service (WSUS) 3.0 SP1
- Discover target Dell client systems
- Dell Client Catalog (DellSDPCalogPC.cab)
- Dell OpenManage Inventory Agent (DSIA) (Prerequisite for Dell Business Client systems)

Note:

- Dell Updates are only provided in English. The catalog is restricted to English language updates only.
- Dell recommends that this solution is tested using your test environment before deploying in a production environment.

# Steps to deploy Dell updates in Config Manager 2012 using Dell Client Catalog

- 1. Download the Dell Client Catalog.
- 2. Import the Dell Client Catalog into SCUP.
- 3. Publish the updates to the update server.
- 4. Synchronize the software updates.
- 5. Deploy the updates to the target client systems.
- 6. Initiate Client Action.
- 7. Install the updates on target client systems.
- 8. View the Summary.

## Downloading the Dell Client Catalog

The latest Dell Client catalog is available at this location and is updated twice a month.

ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab

Download the Catalog and copy it on your system.

# Importing the Dell SDP Catalog and publishing Dell updates using SCUP 2011

1. At the Start menu, open All Programs and select System Center Update Publisher 2011.

👫 System Center	kes Publisher 2011	×
Home	ders ^	0
₩ 🕹	/ 🗛 눱 🖀 🗙 🥕 🐴 🖏 🛄	
Create Import	It Assign Duplicate Yew Delete Export Publish Expire Reactivate	
Create	Update Expration	
Al Software Upd	All software updates	2
	Name Update Type Classification Severity Article ID Bulletin ID CVE ID Expired Date Modified Date Published	_
	Update Details	~
	Select an update to view its properties	
Jupdates		
Publications		
Rules		
Catalogs	1	
Ready		

Figure 1. Select an update to view its properties.

- 2. Catalog can be imported by Custom Catalog (Providing the Catalog URL Path) or by manually downloading the SDP catalog.
- 3. Steps to import Custom Catalog by:
  - a. Click Catalogs Workspace located on the bottom left panel.

🌠 System Center Updates Publi	lisher 2011	_ 6 ×
Home		^ <b>@</b>
Add Add Edit Rema	nove Import	
My Catalogs		
ing outlings	My software updates catalogs	<u>م</u>
		~
🖏 Updates	Select a catalog to view its properties	
Publications		
Rules		
Catalogs		
Ready		

Figure 2. My software updates catalogs screen.

- b. Click Add.
- c. In the Add Software Update Catalog Wizard, under Catalog path, specify the Catalog Path as:

ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab

Use the Publisher name Dell.

Figure	3. 9	Specify	ing the	catalo	g path.
· · · · · · · ·	<b>.</b> .	peeny	ing cire	cacato	S Pacini

📲 Add Software Update	Catalog	×
👔 Add Softv	vare Update Catalog	₽₽ ₽
Specify the detai	ls of the catalog to add to My Catalogs	
C <u>a</u> talog Path:		
ftp://ftp.dell.com/cata	log/DellSDPCatalogPC.cab Browse	
Example: \\myserver\m	yshare\myfile.cab	_
<u>P</u> ublisher:	Dell	]
Name:	Dell Business Client Updates Catalog	
Description:	This catalog supports system driver, BIOS, firmware and software updates for Dell business client products.	
<u>S</u> upport URL:		]
	<u>Q</u> K <u>C</u> ancel	

d. Click OK.

It will be added as custom catalog

Syst	tem C	Eenter Upd Home	lates Publisł	ner 2011							_ <i>6</i> ×
+	•	+ ,	/ -	· >							
Add Catalog Partne	gs ers	Add	Edit Remov	e Import							
My Ca	talo	igs		My software upda	ates catalogs					Π	٩
				Publisher	Name	Last Imported Last Modified	Path	La Indiana a la na sala			
				1704 1	user ousness crenic updates		APRIL DE LE CONTRECE	naganaan salahan salay			
											~
	pdate	es						Select a catalog to view its	s properties		
P	ublica	ations									
📄 R	tules										
C C	atalo	ogs									
Ready											

Figure 4. Viewing your custom catalog.

e. Select the added custom catalog and right-click and select **Import** to import the Dell client catalog.

System Center Updates Publi	sher 2011	 ^ @
Add Add Edit Remo	mport	
Partners Catalog	Import selected catalogs	
My Catalogs	My software updates catalogs	٩
	Publisher Name Last Imported Last Modified Path	
	Del Del dusites cient opustes integrational del des integrations integ	
		*
	Dell Business Client Updates Catalog	
	This catalog supports system driver, BIOS, firmware and software updates for Dell business client products.	
	Catalog Information	Catalog Status
~	Source: User Deservation (10), Source: User	Last Modified Date:
Updates	Support URL:	
Publications		
E Rules		
Catalogs	Summary	
Deady		

Figure 5. Importing the Dell catalog.

f. The Import Software Updates Catalog Wizard will be shown as below:

🐺 Import Software Updat	es Catalog Wizard
👌 Import Typ	
Import Type	Select an import type
Summary	Import one or more catalogs from My Catalogs
Progress	Catalog     Location     Dell Business Client Updates Catalog <u>ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab</u>
Confirmation	
	C Specify the path to the catalog to import
	Browse
	Example: C:\mycatalog\catalog.cab
	< Previous Next > Summary Cancel

Figure 6. Select an import type.

Import Software Update	es Catalog Wizard
👌 Summary	ALLE
Import Type	Confirm the settings
Summary	Import Catalog Information
Progress	Dell Business Client Updates Catalog ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab
Confirmation	
	To change these settings, click Previous. To apply the settings, click Next.
	< Previous Next > Summary Cancel

## Figure 7. Confirming the settings.

Import Software Updat	es Catalog Wizard		X
🔖 Progress			AAAAA
Import Type Summary Progress Confirmation	Status: Catalog name: Catalog path: Update name: Update ID:	Importing update 25 of 1136 Dell Business Client Updates Catalog ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab Wireless 380 Bluetooth Module,6.5,A01 2ff06f9b-4811-48ff-97f5-6da68b084f52	
		< <u>P</u> revious	Next > Summary Cancel

Figure 8. Progress screen.

Importing the Dell catalog to SCUP.



Figure 9. Confirm the wizard completed successfully.

4. To manually import the DellSDPCatalog, select the Import Type option.

🛐 Import Software Update	es Catalog Wizard
👌 Import Typ	
Import Type	Select an import type
Summary	C Import one or more catalogs from My Catalogs
Progress	Catalog Location
Confirmation	
	Constitution and the exterior to increase
	Specify the path to the catalog to import
	Example: C:\mycatalog\catalog.cab
	< <u>P</u> revious <u>N</u> ext > <u>Summary</u> <u>Cancel</u>

#### Figure 10. Selecting an import type.

5. In the Software Updates Catalog Wizard, to select the SDP Catalog cab file, click **Browse**.

🔄 Select Catalog						×
💮 💽 💻 Desktop 👻			-	🧑 Search Desktop		2
Organize 🔻 New folder					•	0
★ Favorites ■ Desktop ₩ Downloads	Libraries System Folder	12	administrator System Folder			
Recent Places	Computer System Folder		Network System Folder			
Documents     Music     Fictures	Catalog File folder		dsiaexport File folder			
Videos	DellSDPCatalogPC Cabinet File					
Network						
File <u>n</u>	ame: DellSDPCatalogPC			Catalogs <u>O</u> pen	Cancel	

Figure 11. Selecting a catalog.

🛐 Import Software Updat	es Catalog Wizard X
👌 Import Typ	be
Import Type	Select an import type
Summary	C Import one or more catalogs from My Catalogs
Progress	Catalog Location
Confirmation	
	Specify the path to the catalog to import
	C:\Users\Administrator\Desktop\DellSDPCatalogPC.cab
	Example: C:\mycatalog\catalog.cab
	<pre> &lt; Previous Next &gt; Summary Cancel </pre>

## Figure 12. Specify the catalog path.

Import Software Updat	es Catalog Wizard
👌 Summary	AHH
Import Type	Confirm the settings
Summary	Import Catalog Information
Progress	Manual Import: <u>C:\Users\Administrator\Desktop\DellSDPCatalogPC.cab</u>
Confirmation	
	To change these settings, click Previous. To apply the settings, click Next.
	< <u>P</u> revious Summary Cancel

## Figure 13. Confirming the settings.

Figure 14. Viewing the Security Warning.
🕖 Security Warning - Catalog Validation 🛛 🗙
• Security Warning
Do you want to accept this catalog?
Name: DellSDPCatalogPC.cab
Publisher: Dell Inc.
Always accept content from "Dell Inc."
C Ask me every time
<u>V</u> iew Certificate <u>A</u> ccept <u>D</u> on't Accept
Catalog files from untrusted publishers can potentially harm client computers when scanning for updates. Only accept catalogs from publishers you trust.
<u>Tell Me More</u>

When you import the Dell Catalog into SCUP for the first time, a Security Warning message prompts you to accept the Dell Catalog.

8. For no further prompts to occur, click Always accept content from "Dell Inc."

	5	
🛐 Import Software Updat	es Catalog Wizard	×
Progress		ATTAC
Import Type	Status:	Importing update 49 of 1117
Summary	Catalog name:	Manual Import:
Progress	Catalog path:	C:\Users\Administrator\Desktop\DellSDPCatalogPC.cab
Confirmation	Update name:	Wireless WLAN 1540 Half MiniCard, Wireless WLAN 1504 Half MiniCard, A00
	Update ID:	aa7caa2c-f212-458f-8c71-21f89a666073
		< <u>Previous</u> <u>N</u> ext > <u>Summary</u> <u>Cancel</u>

Figure 15. **Progress window.** 

9. View the Catalog importing updates to SCUP.

🧟 Import Software Updat	es Catalog Wizard
👌 Confirmatio	on ATTA
Import Type	The Import Software Update Catalog Wizard completed successfully
Summary	Import Catalog Information
Progress	Manual Import: C:\Users\Administrator\Desktop\DellSDPCatalogPC.cab
Confirmation	1117 updates were processed. 1117 updates were imported.
	To exit the wizard, click Close.
	< Previous Next > Summary Giose

Figure 16. Confirmation window.

10. To finish the Import Software Update Catalog Wizard, click Close.

# Publishing Dell updates from SCUP 2011 to the Update Server

Under the Console Tree, the Dell group now appears with three subcategories: BIOS, Drivers and Applications, and Firmware. Browse the categories to select individual updates to publish.

驼 System Center	Updates Publis	sher 2011											_	ē ×
Home	Folders													^ 😢
😤 🍹	1 5	h 🖻 🗙 🎽		7 17										
Create Import	Edit Assign	n Duplicate View Delete Exp	ort Publish Exp	pire Reactivate										
Create		XML Undate		Expiration										
Charview			_	Expredent										_
Al Software Upda	ates	All software updates												~
Dell		Name	Update Type	Classification	Severity	Article ID	Bulletin ID CVE	D Expired	Date Modified	Date Publish	hed			
		1.5 GB Quadro FX 4800,182.6	67,A06 Update	Update	Important	92331 R51YR	92331 R51YR	No	9/13/2012					Ê
		🥫 1.5 GB Quadro FX 4800,4.0 G	68 Qua Update	Update	Important	CP48C	CP48C	No	9/13/2012					
		1.5 GB Quadro FX 4800,4.0 G	B Qua Update	Update	Important	NY95F	NY95F	No	9/13/2012					
		1.5 GB Quadro FX 4800,4.0 G	68 Qua Update 78 Qua Update	Update	Important	1FGWY	1FGWY	No	9/13/2012					
		1.5 GB Quadro FX 4800,4.0 G	as Qua Update 38 Qua Lindate	Update	Important	GT16G	GT16G	Yes	9/13/2012					
		1.5 GB Quadro FX 4800,4.0 G	B Qua Update	Update	Important	GTJ6G	GTJ6G	No	9/13/2012					
		1100W (3MJJP) P5U,M1.01.0	9,A02 Update	Update	Critical	YRWVK	YRWVK	Yes	6/2/2012					
		1100W (3MJJP) P5U,M1.01.0	9,A02 Update	Update	Critical	YRWVK	YRWVK	No	8/24/2012					
		1100W (3MJJP) P5U,M1.01.0	9,A02 Update	Update	Critical	YRWVK	YRWVK	Yes	6/2/2012					
		256MB NV5 290,276.52,400	Lindate	Undate	Critical	ETVIW	ETVIW	No	9/13/2012					
		3.5, 7.2K, ES, 1TB, SGT-MSK,	3.5, 7 Update	Update	Important	5KN73	5KN73	No	10/24/2012					
		💿 3.5, 7.2K, NL6, SAS, 2TB, MS	K, 3.5, Update	Update	Important	C1MY4	C1MY4	No	10/24/2012					
		3.5, 7.2K, NL6, SAS, 3TB, HIT	T-MAR Update	Update	Critical	6C17T	6C17T	No	9/13/2012					
		4.0 GB Quadro FX 5800,178.6	54, AO <sup>2</sup> Update	Update	Important	VGK14	VGK14	No	9/13/2012					
		4.0 GB Quadro FX 5800,182.6	57,A05 Lindate	Undate	Important	72066	72066	No	9/13/2012					
		57XX Driver/BACS combined p	ackag Update	Update	Important	D6HFJ	D6HFJ	No	6/1/2012					
		57XX Driver/BACS combined p	ackag Update	Update	Important	CY8GW	CY8GW	No	6/1/2012					
		750W (G24H2) P5U,M1.0A.04	1,A01 Update	Update	Moderate	ORW36	ORWJ6	Yes	6/2/2012					
		750W (G24H2) PSU,M1.0A.04	1,A01 Update	Update	Moderate	ORW36	ORW36	Yes	6/2/2012					
		750W (G24H2) P50,M1.0A.04	A01 Update	Update	Moderate	ORW36	0RWJ6	No	8/24/2012					
		AIRWALKER ES, 2.5, 7.2K, SA	TA, 51 Update	Update	Important	317P1	317P1	No	10/25/2012					
		AIRWALKER NL6, FDE, 2.5, 7.	2K,SA Update	Update	Important	NF2RT	NF2RT	No	10/25/2012					
		AL115X. 2.5. 15K. SAS. 73GB	L DI LA Lindate	Undate	Important	TPE6G	TPF6G	Yes	9/13/2012					
		Update Details												~
								Select an u	update to vie	ew its pro	perties			
취 Updates														
Publications														
📋 Rules														
Catalogs														
Ready														

Figure 17. Viewing the Dell group.

**Note:** At a minimum, publish the Dell OpenManage Inventory Agent (DSIA) located in the Dell Drivers and Applications section. This agent is the inventory collection tool that you must install first on SCCM Dell managed clients. Use it to collect inventory and populate to Windows Management Instrumentation (WMI) so that all other up-dates can be evaluated.

System Center Updates Publis	her 2011								_8×
Home Folders									^ <b>W</b>
😤 🔪 📝 🖾	. 🗈 🔮 🗙 🥕 🛧 🎽								
Create Import Edit Assign	Duplicate View Delete Export Publish Exp	ire Reactivate							
•	XML								
Create	Update	Expiration				_		 	
Overview	All Dell Drivers and Applications softwa	re updates							Q
All Software Updates	Name Lindate Type	Classification	Severity Article ID	Bulletin ID CVE ID	Evoked D	ate Modified	Date Published		
Drivers and Applications	1.5 GB Quadro FX 4800,182.67,A0€ Update	Update	Important 92331	92331	No 9	/13/2012	Date rabinita		
Bios	5 GB Quadro FX 4800,182.67,A06 Update	Update	Important R51YR	R51YR	No 9	/13/2012			
Firmware	1.5 GB Quadro FX 4800, 4.0 GB Qua Update	Update	Important NY95F	NY95F	No 9	/13/2012			
	1.5 GB Quadro FX 4800,4.0 GB Qua Update	Update	Important CP48C	CP48C	No 9,	/13/2012			
	1.5 GB Quadro FX 4800,4.0 GB Qua Update	Undate	Important GT16G	GU16G	Yes 9	113/2012			
	1.5 GB Quadro FX 4800,4.0 GB Qua Update	Update	Important GTJ6G	GTJ6G	No 9	/13/2012			
	5 1.5 GB Quadro FX 4800,4.0 GB Qua Update	Update	Important 1FGWY	1FGWY	Yes 9	/13/2012			
	256MB NV5 290,276.52,A00 Update	Update	Critical FTV3W	FTVJW	No 9	/13/2012			
	556MB NVS 290,276.52,A00 Update	Update	Critical FTCT4	FTCT4	No 9;	/13/2012			
	4.0 GB Quadro FX 5800,178.64,A0+ Update	Update	Important VGK14	VGK14	No 9	/13/2012			
	4.0 GB Quadro FX 5800,182.67,405 Update	Undate	Important 72055	72066	No 9	113/2012			
	57XX Driver/BACS combined packag Update	Update	Important CY8GW	CY8GW	No 6	/1/2012			
	57XX Driver/BACS combined packag Update	Update	Important D6HFJ	D6HF3	No 6	/1/2012			
	ALC269 HD Audio Codec,6.0.1.587t Update	Update	Moderate XF89F	XF89F	No 9,	/13/2012			
	ALC269 HD Audio Codec, 6.0.1.588: Update	Update	Important X5K1K	X5K1K	No 6	/1/2012			
	ALC269 HD Audio Codec, 6.0.1.590; Update	Update	Important KST2P	KST2P HDCN0	No 9,	/13/2012			
	ALC269 HD Audio Codec,6.0.1.5911 Update	Undate	Important T41H3	T41H3	No 1	0/23/2012			
	ALC269 HD Audio, 5.10.0.6072, A03 Update	Update	Important GCOPN	GCOPN	No 9	/13/2012			
	TALC269 HD Audio, 6.0.1.6069, A02 Update	Update	Important KC2CP	KC2CP	No 9	/13/2012			
	AMD FirePro M6000, AMD FirePro M- Update	Update	Important H86TD	H86TD	No 9	/13/2012			
	AMD FirePro M600D, AMD FirePro M< Update	Update	Important 6MRKW	6MRKW	No 1	0/27/2012			
	AMD FIREPRO MV 2260, V.8.723, A Update	Update	Important R268770	R266770	NO 6	/1/2012			
	AMD FIREPRO V3750, FIREPRO V87 Update	Undate	Important R302500	R302500	Yes 6	11/2012			
	AMD EIREPRO V3750. V. 8.632.0.0 Lindate	Lindate	Important R238677	R238677	No 6	11/2012			•
	Update Details								~
					_				
				Sel	lect an upo	date to vie	w its properties		
🛐 Updates									
Publications									
Rules									
Catalogs									
Ready	•								

Figure 18. Selecting Drivers and Applications.

1. Select Drivers and Applications.

	5 5			5			2		
😵 System Center Updates Pub	lisher 2011								_ 8 ×
Home Folders									^ ( <b>?</b>
🚔 🎍 🥖 🛂	🖌 🗈 🖀 🗡 🥕 🏠 📶 🔟								
Create Import Edit Assi	on Duplicate View Delete Export Publish Expire Reactivate								
•	XML								
Create	Update Expiration								
Toverview Overview	All Dell Drivers and Applications software updates								9
All Software Updates									 
	Name	Update Type	Lindate	Seventy Article ID	Bulleon ID CVE ID	Expired	Date Modified	Date Published	 
Bios	Dell ControlVault 2.2.117.284.409	Update	Update	Important Y42CY	Y42CY	No	9/13/2012		-
Firmware	TELL DATA PROTECTION   ACCESS DRIVER PACKAGE, V.2.01.019, A04	Update	Update	Important R311183	R311183	Yes	10/26/2012		
_	Tell DATA PROTECTION   ACCESS DRIVER PACKAGE, V.2.01.019, A04	Update	Update	Important R311182	R311182	Yes	10/26/2012		
	Dell Data Protection   Access Middleware Package, 2.01.010, A03	Update	Update	Important 54XR8	54XR8	Yes	10/26/2012		
	Dell Data Protection   Access Middleware Package, 2.1.010, A03	Update	Update	Important 82K1N	82K1N	Yes	10/26/2012		
	Dell Data Protection   Access, 2.1.00001.001, A02	Update	Update	Important XJ55R	XJ55R	Yes	10/26/2012		
	Del Data Protection   Access Del Data Protection   Access - Installer 2.0.00000.005.000	Update	Update	Important 74YRR	Y4KVP	Yes	10/26/2012		-
	Del Data Protection   Access Del Data Protection   Access - Installer, 2.0.00000.154,400	Undate	Update	Important HE0H4	HE0H4	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00001.001, A01	Update	Update	Important ¥3137	V3137	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00001.001, A01	Update	Update	Important OCN33	0CNJ3	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.2.00001.000, A04	Update	Update	Important CXWY8	CXWV8	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.2.00001.001, A04	Update	Update	Important G2G36	G2G36	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.2.00003.008, A06	Update	Update	Important KPCWG	KPCWG	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.2.00003.009, A06	Update	Update	Important TDC1K	TDC1K	Yes	10/26/2012		
	<ul> <li>Deir Open Manage Inventory Agent (für Deir Business Client Systems)</li> <li>DEIL PEADER 2.0. V.2.0.1 1040, 404</li> </ul>	Update	Update	Important 13401	P 258905	Ver	6/1/2012		
	DELL READER 2.0, V.2.0.1.1040, A04	Undate	Update	Important R258905	R258905	No	7(3)2012		
	DELL READER 2.0, V.2.1.3.1230, A06	Update	Update	Important R272851	R272851	No	6/1/2012		
	Dell System Software, V.6.3.4, A06	Update	Update	Important R288017	R288017	No	6/1/2012		
	Dell System Software, V.6.3.6, A07	Update	Update	Important R288023	R288023	No	6/1/2012		
	DELL SYSTEM SOFTWARE, V.6.5.1, AD6	Update	Update	Important R282537	R282537	No	6/1/2012		
	DELL SYSTEM SOFTWARE, V.6.5.1, A06	Update	Update	Important R282537	R282537	Yes	6/1/2012		
	DELL STSTEM SUPTIMARE, V.6.5.1, AU6	Update	Update	Important R282537	R282537	Tes	6/1/2012		
	Dell Wireless 1505 Draft 802.11n WLAN Mini-Card Desktops, v.5.10.36.26, A23	Undate	Update	Important R205375	R205375	Yes	6/1/2012		
	DELL WIRELESS 1505 DRAFT 802.11N WLAN MINI-CARD DESKTOPS, V.5.10.38.26, A23	Update	Update	Important R205376	R205376	Yes	6/1/2012		
	Lindate Details								
	opdate betails	>							
	Dell OpenManage Inventory Agent (for Dell Business Client System	ns)							
	Dell OpenManage Inventory Agent is a data provider for Microsoft WMI to inventory information Optiliau decideors, and Latitude lasteers. This service is your at back time, and then steered a de	n for Dell supported d	levices on Dell Pr	ecision workstations,					
	- Indate Status	macroary.							
	Data modified: 9/27/2012 8:09:54 MM			Date publich	ed:				
	Expired: No			Server public	shed:				
				Status publis	shed:				
	Update Information								
	Update type: Update			Update ID:	565b4a1f-8	1f6-48bf-a3	9c-8342ea1bc7e4	•	
<b></b>	Classification: Update Severity: Immortant			Package sou Package sou	Irce: DSIAPC_1.4	.1.315.msi			
Publications	Bulletin ID: T34DT			Download U	RL: ftp://ftp.del	l.com/FOLD	ER.00891539M/1/	DSIAPC_1.4.1.315.msi	
	Article ID: T34DT			Support URL	http://suppo	ort.dell.com	L	-	
Rules	CVE ID:			More Info U	RL: http://ftp.de	el.com/cms	tk/DSIA Readme.	doc	
(T) Catalogs									
La catalogs	Summary Installable Rules Installed Rules								
Ready									

#### Figure 19. Selecting the Dell OpenManage Inventory Agent.

2. Select Dell OpenManage Inventory Agent (DSIA) for Dell Business Client Systems Update.

System Center Updates Publis	her 2011									-8×
Home Folders										^ 😢
😕 🔪 🧷 🖂	🗈 🕑 🗙 🍌 🐥 🎢 👘									
	Desirete Hun Delate Desire Delate Desirete									
*	XML Expire Reactivate									
Create	Update Expiration									
Cverview	All Dell Drivers and Applications software undates									
All Software Updates	All bell brivers and Applications software aptates								1	
⊿ 🧰 Dell	Name Dall Costrolling & 2.2.117.204.400	Update Type	Classification	Severity	Article ID	Bulletin ID (	CVE ID Expired	Date Modified Date	Published	
Bios	Dell ControlVault, 2, 2, 117, 284, 409	Undate	Update	Important 1	9652C Y42CY	9652C V42CY	No	9/13/2012		-
Firmware	DELL DATA PROTECTION   ACCESS DRIVER PACKAGE, Y.2.01.019, A04	Update	Update	Important I	R311183	R311183	Yes	10/26/2012		
_	Tell DATA PROTECTION   ACCESS DRIVER PACKAGE, V.2.01.019, A04	Update	Update	Important I	R311182	R311182	Yes	10/26/2012		
	Dell Data Protection   Access Middleware Package, 2.01.010, A03	Update	Update	Important !	54XR8	54XR8	Yes	10/26/2012		
	Dell Data Protection   Access Middleware Package, 2.1.010, A03	Update	Update	Important I	82K1N Vacen	82K1N	Yes	10/26/2012		
	Dell Data Protection   Access, 2.1.00001.002, A02	Undate	Update	Important 3	AJSSK 74VBR	74VRR	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00000.085, A00	Update	Update	Important 3	X4KYP	X4KYP	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00000.154, A00	Update	Update	Important	HF0H4	HF0H4	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00001.001, A01	Update	Update	Important	V3137	V3137	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.0.00001.001, A01	Update	Update	Important I	OCN33	OCNJ3	Yes	10/26/2012		
	Deli Data Protection   Access, Deli Data Protection   Access - Installer, 2: 2:00001.000, A04     Dal Data Protection   Access Dal Data Protection   Access - Installer, 2: 2:00001.001.404	Update	Update	Important	CXW18	CXW18 G2G36	Tes	10/26/2012		
	Dell Data Protection   Access. Dell Data Protection   Access - Installer. 2.2.00003.008.A06	Update	Update	Important I	KPCWG	KPCWG	Yes	10/26/2012		
	Dell Data Protection   Access, Dell Data Protection   Access - Installer, 2.2.00003.009, A06	Update	Update	Important	TDC1K	TDC1K	Yes	10/26/2012		
	Dell OpenManage Inventory Agent (for Dell Business Client System)	Update	Update	Important	T34DT	T34DT	No	9/27/2012		
	DELL READER 2.0, V.2.0.1.1040, A04	Update	Update	Important I	R258905	R258905	Yes	6/1/2012		
	DELL READER 2.0, V.2.0.1.1040, A04	Update	Update	Important I	R258905	R258905 P272851	No	6/1/2012		
	Dell System Software, V.6.3.4, A06	Update	Update	Important I	R288017	R288017	No	6/1/2012		
	Dell System Software, V.6.3.6, A07	Update	Update	Important I	R288023	R288023	No	6/1/2012		
	DELL SYSTEM SOFTWARE, V.6.5.1, A06 // Export	Update	Update	Important I	R282537	R282537	No	6/1/2012		
	DELL SYSTEM SOFTWARE, V.6.5.1, A06	Update	Update	Important I	R282537	R282537	Yes	6/1/2012		
	Dell SYSTEM SOFTWARE, V.6.5.1, A06	Update	Update	Important I	R282537	R282537	Yes	6/1/2012		
	Dell Wireless 1505 Draft 802.1111 WLAN Mini-Card Desktops, v.5 10.38.26, A23	Update	Update	Important I	R205375	R205375	Yes	6(1)2012		
	ELL WIRELESS 1505 DRAFT 802.11N WLAN MINI-CARD DESKTOPS, V.5.10.38.26, A23	Update	Update	Important	R205376	R205376	Yes	6/1/2012		
	Update Details									~
	Dell OpenMapage Inventory Agent (for Dell Business Client System	e)								
	Dell Openinianage Inventory Agenci (for Dell Dasiness Cheric System	for Dell currented d	invites on Dell Du	ocicion worksta	tions					
	OptPlex desktops, and Latitude laptops. This service is run at boot time and then stopped autor	natically.	evices on Dell Ph	ecolori worksca	suuris,					
	Update Status									
	Date modified: 9/27/2012 8:09:54 AM			Da	ate publishe	ed:				
	Expired: No			Se	erver publis	hed:				
				St	acus publis	nea:				
	- Update Information									
	Update type: Update			Up	date ID:	565b	04a1f-81f6-48bf-a	39c-8342ea1bc7e4		
Dipdates	Classification: Update			Pa	ckage sour	ce: DSIA	PC_1.4.1.315.ms	4		
Publications	Severity: Important			Pa	ckage size	: 11.1	6 MB		1.4.1.015	
	Article ID: T34DT			Su	innort URL:	te (tps),	//support.dell.com	N	_1.4.1.515.0b	
E Rules	CVE ID:			M	ore Info UR	L: http:	://ftp.del.com/cm	sdk/DSIA Readme.doc		
(B)					_		_			
Catalogs	Summary Installable Rules Installed Rules		_							
Ready										
灯 Start 🔚 🚺 📜										* 🕩 🔁 🍫 3:20 PM

Figure 20. Selecting Publish.

3. Select Publish.

Figure 21.	Specifying	publish options.
------------	------------	------------------

👿 Publish Software Updat	es Wizard
🚹 Publish Op	tions
Publish Options	Specify publish options
Summary	Select how you would like to publish the selected updates: <ul> <li>Automatic</li> </ul>
Progress	Click Automatic to allow Updates Publisher to query Configuration Manager to determine whether the selected software updates are published with full content or only metadata. In this mode, software updates are only published when they meet the client request count and package source size thresholds that are specified on the ConfigMgr Server page of the
Commission	Options dialog box. If neither threshold is met, only the software update definition (metadata) is published. Automatic is available only when Configuration Manager Integration is selected on the ConfigMgr Server page.
	Full Content Click Full Content when you are sure that you want to deploy the software updates by using Configuration Manager. When Full Content is selected, Updates Publisher publishes the binary of the software update and the definition (metadata) of the software update.
	C Metadata Only
	Click Metadata Only when you only want to gather compliance information for the selected software updates. When Metadata Only is selected, Updates Publisher publishes only the definition of the software updates. Software update binaries are not published.
	Sign all software updates with a new publishing certificate when published software updates have not changed but their certificate has changed.
	< Previous Next > Summary Cancel

4. Specify the publish option.

👼 Publish Software Updat	tes Wizard
🚹 Publish Op	otions
Publish Options	Specify publish options
Summary	Select how you would like to publish the selected updates:
Progress	Click Automatic to allow Updates Publisher to query Configuration Manager to determine whether the selected software updates are published with full content or only metadata. In this mode, software updates are only published when they meet the client request count and package source size thresholds that are specified on the ConfigMar Server page of the
Confirmation	Options dialog box. If neither threshold is met, only the software update definition (metadata) is published. Automatic is available only when Configuration Manager Integration is selected on the ConfigMgr Server page.
	<ul> <li>Full Content         <ul> <li>Click Full Content when you are sure that you want to deploy the software updates by using Configuration Manager.                 When Full Content is selected, Updates Publisher publishes the binary of the software update and the definition                 (metadata) of the software update.</li> </ul> </li> <li>Metadata Only         <ul> <li>Click Full Content when you only want to gather compliance information for the selected software updates. When                 Metadata Only is selected, Updates Publisher publishes only the definition of the software updates. Software update                 binaries are not published.</li> </ul> </li> <li>Sign all software updates with a new publishing certificate when published software updates have not changed but their                 certificate has changed.</li> </ul>
	< Previous Next > Summary Cancel

5. Click Full Content and click Next.

Publish Software Update	es Wizard
🔶 Summary	ALLE
Publish Options	Confirm the settings
Summary	Publish Information
Progress	1 selected updates.         Dell       -         Dell OpenManage Inventory Agent (for Dell Business Client Systems)
Confirmation	
	To change these settings, click Previous. To apply the settings, click Next.
	< Previous Summary Cancel

## Figure 23. Confirming settings.

Publish Software Updat Confirmation	es Wizard
Publish Options	The Publish Software Update Wizard completed successfully
Summary	Publishing Summary
Progress	1 updates were selected for publish. 1 updates were published full content.
Confirmation	
	To exit the wizard, click close.
	< <u>Previous</u> <u>N</u> ext > <u>Summary</u> <u>Close</u>

#### Figure 24. Confirmation window.

The Dell OpenManage Inventory (For Dell Client Business Client Systems) update published successfully.

7. To finish the Publish Software Updates Wizard, click Close.

# Deploying updates using SCCM 2012

Once the update publishes in SCUP, then open the System Center 2012 Configuration Manager Console and do synchronization.

- 1. Go to Start menu > All Programs.
- 2. Select Microsoft System Center 2012.
- 3. Click Configuration Manager Console.
- 4. Navigate to Software Library.
- 5. Expand the **Software Updates** node.
- 6. Select All Software Updates.



System Center 2012 Configuration Manager (Conn	rected to CAT - clientcatalogvalidation) (Evaluation, 161 days left)	_ 8 ×
F Search		^ 🔞
		_
All Saved Search Save Current Save C	urrent Clear	
Objects Searches Vettings Search Search Scope Options Save	A fas	
A a warden		
		• •
Administration		
Overview	Administration Overview	
Generation		
Schent Settings	<ul> <li>Naviewiewiewiewiewiewiewiewiewiewiewiewiewi</li></ul>	
Security	- wavgauon index	
Distribution Points	Hierarchy Configuration: Manage boundaries, site-to-site communication, discovery methods, Active Directory forest Site Configuration: Manage servers and site system roles, components, site maintenance, and status configuratio	ns.
Distribution Point Groups	and Exchange Server connection settings.	
Migration	Client Settings: Configure default and custom client settings. Dictribution Builder, Manager console.	
	Ministrian Formas, manage instruction from Configuration Nanoue 2002 allows     Ministrian from Configuration Nanoue 2002 allows     Distribution Point Groups: Manage distribution points as a group.	
	Recent Alerts (0) - Last updated: 11/16/2012 12:39:00 PM	
Auministration		
n Assets and Compliance		
Monitoring		
👘 Software Library		
-		
Ready	1	

Folder Tools System	Center 2	2012 Configuration Manag	ger (Connected	to MCM - S	C2012_Con	ifigMgr_Primary_Site	) (Evaluation, 18	0 days left)	_ 8 ×
Home Folder									^ 🚱
Synchronize Software Updates Run S Summarization Sum All Software Updates Reports	chedule marizatio	Saved Searches + Search							
🗲 🔶 👻 🚺 🕨 Software Librar	y 🕨 🤇	Overview 🔸 Software Upda	ates → All Sof	tware Update	s				- 2
Software Library <	All Soft	tware Updates 0 items							
🖌 🗊 Overview	Search	1						🗙 🔎 Search	Add Criteria 🔻
Application Management	Icon	Title	Bulletin ID	Required	Installed	Percent Compliant	Downloaded	Deployed	
All Software Updates  All Software Update Groups  Deployment Packages  Automatic Deployment Rules  Coperating Systems  Assets and Compliance  Software Library  Monitoring  Administration					🕦 No i	tems found.			
Ready									

#### Figure 26. All Software Updates.

By Default, no updates are listed under the All Software Updates because synchronization has not yet occurred.

# Synchronizing software updates

		Folder Tools	System	Center	2012 Co	nfiguratio	m Manager (		
-	Home	Folder							
	•			#		Ŕ			
Synch Software All Softwa	ronize Updates re Updates	Run Summariza	tion Sun Reports	ichedule nmarizatio	on Se	Saved arches • Search			
€⇒	•	\ ► Softw	vare Libra	ry 🕨 (	Overview	<ul> <li>Softv</li> </ul>	ware Updates		
Software	Library		<	All Soft	tware Up	dates 0 it	tems		
4 🗿 Ov	erview			Search					
) 🖺 J	Application	Managemer	nt	Icon	Title	*	BL		
🔺 🚞 s	oftware U	pdates							
2	All Softwa	are Updates							
5	Software	Update Grou	aps						
	Deploym	ent Packages	5						
	Automati	c Deploymer	nt Rules						
+ 📫 (	Operating S	Systems							

Figure 27. Synchronizing all software updates.

1. In Config Manager Console, click Synchronize Software Updates.



- 2. When the Configuration Manager dialog box appears, click Yes.
- 3. Once synchronization completes, navigate to All **Software Updates**, right-click and refresh. Updates published by SCUP display in the SCCM console as shown below.

Figure 29	Viewing	nublished	undates
i igule 27.	VIEWING	published	upuales.

Folder Tools System Center 2012	Configu	ration Manager (Connected to CAT -	clientcatalogy	alidation) (	(Evaluation	, 170 days left)					
F Home Folder											
		J 👫 🦊	Edit Membership								
≁ □	Y	I I I I I I I I I I I I I I I I I I I	Review License		1						
Synchronize Run Schedule Software Updates Summarization Summarization	Saved Searche	Download Create Software		Deplo	y Mov	e Properties					
All Software Updates Reports	Search Update Deployment Move Properties										
🗲 🔿 🛪 📉 🔪 Software Library 🕨 Overvi	A S a M A Schwarz Binner & Overland & Colomba Lindebra & All Colower Hindebra										
V V Soltware closary r Overview r Soltware updates r All Soltware updates											
Software Library 4 All Software Updates 20 items											
<ul> <li>Øverview</li> </ul>	Search										
Application Management	Icon	Title	Bulletin ID	Required	Installed	Percent Compliant	Downloaded	Deployed			
🔺 🚞 Software Updates	-	Client Configuration Toolkit,2.1.1,	FYN1D	0	2	92	Yes	Yes			
🗟 All Software Updates	5	Client System Update,1.3.0,A00	MJH8R	2	6	77	Yes	Yes			
🔄 Software Update Groups	1	Dell OpenManage Inventory Agent	T34DT	0	11	0	Yes	Yes			
🛐 Deployment Packages	5	Feature Enhancement Pack, 2.2.1,	YFPF5	0	0	92	Yes	Yes			
📝 Automatic Deployment Rules	5	Feature Enhancement Pack, 2.2.1,	M5HX9	1	0	85	Yes	Yes			
Operating Systems	5	Free Fall Data Protection, 4.10.003	PD1NH	0	1	46	Yes	Yes			
	-	Intel (R) WiMAX Link 6250,2.00.00	G0D48	0	0	92	No	No			
	5	Intel GMA 4500MHD,7.15.10.1637	NTNDG	0	0	92	No	No			
	5	Intel GMA HD 4000,Intel GMA HD	81KT2	0	4	92	Yes	Yes			
	-	Latitude E5530 system BIOS for sy	5CJD2	0	1	92	Yes	Yes			
	-	Management Engine 8.x Compone	46WD8	0	1	92	Yes	Yes			
	5	Multi-Touch Touchpad, 8.1200.101	V26GF	0	1	92	Yes	Yes			
	Ð	OpenManage Client Instrumentati	3P3MR	0	2	92	Yes	Yes			
	Ð	OpenManage Client Instrumentati	5D2HG	1	3	85	Yes	Yes			
	Ð	Optiplex 3010 system bios,A06	77WTN	0	1	92	Yes	Yes			
	Ð	Rapid Storage Technology,11.6.0	2PWDK	0	0	92	Yes	Yes			
	Ð	Realtek RTL81XX PCI-E Network C	WDRF1	0	0	92	Yes	Yes			
	Ð	SW,BIOS,LAT,E6330,A06	K5YVV	0	1	92	Yes	Yes			
	Ð	SW,BIOS,LAT,E6530,A07	MG2CK	0	1	92	Yes	Yes			
	2	Wireless 380 Bluetooth Module,12	VY4F2	0	0	92	No	No			
	Dell	OpenManage Inventory Age	ent (for Dell	Busines	s Client S	Systems)					
	Detai							Statistics			
·	Setu										

# Deploying updates to target client systems

1. Select the **Dell OpenManage Inventory Agent (DSIA)** update and then click **Deploy**.

Folder Tools System Center 2012	Configurati	ion Manager (Connected to CAT -	dientcatalogva	alidation) (	Evaluation,	, 170 days left)		
Home Folder								
		. 🖈 👘 /	Edit Membership			. 6		
			Review License	Deale	7			
Synchronize Run Schedule Software Updates Summarization Summarization	Saved Searches •	Update Group		Deploy	/ Mov	e Properties		
All Software Updates Reports	Search	Update		Deploym	ent Mov	Properties		
← → ▼ 💽 \ ► Software Library ► Overvi	iew 🕨 Soft	tware Updates 🔸 All Software Upd	lates					
Software Library <	All Softwa	re Updates 20 items						
4 🚝 Overview	Search							
Application Management	Icon T	ritle 🔺	Bulletin ID	Required	Installed	Percent Compliant	Downloaded	Deployed
Software Updates		Client Configuration Toolkit,2.1.1,	FYN1D	0	2	92	Yes	Yes
All Software Updates	1	Client System Update,1.3.0,A00	MJH8R	2	6	77	Yes	Yes
🔄 Software Update Groups		Dell OpenManage Inventory Agent	T34DT	0	11	0	Yes	Yes
🛐 Deployment Packages	1	Feature Enhancemen 🛃 Downloa	d			92	Yes	Yes
📑 Automatic Deployment Rules	1	Feature Enhancemen 🏭 Create S	oftware Update G	iroup		85	Yes	Yes
Operating Systems	1	Free Fall Data Protect 🥖 Edit Men	nbership			46	Yes	Yes
	1	Intel (R) WiMAX Link 🗔 Review L	icense			92	No	No
	1	Intel GMA 4500MHD,				92	No	No
	5	Intel GMA HD 4000,Ir				92	Yes	Yes
	A state	Latitude E5530 syster 눧 Move				92	Yes	Yes
	2	Management Engine	ies			92	Yes	Yes
	1	Multi-Touch Touchpad, 8.1200.101	V26GF	0	1	92	Yes	Yes
	1	OpenManage Client Instrumentati	3P3MR	0	2	92	Yes	Yes
	1	OpenManage Client Instrumentati	5D2HG	1	3	85	Yes	Yes
	1	Optiplex 3010 system bios,A06	77WTN	0	1	92	Yes	Yes
	5	Rapid Storage Technology,11.6.0	2PWDK	0	0	92	Yes	Yes
	1	Realtek RTL81XX PCI-E Network C	WDRF1	0	0	92	Yes	Yes
	1	SW,BIOS,LAT,E6330,A06	K5YVV	0	1	92	Yes	Yes
	1	SW,BIOS,LAT,E6530,A07	MG2CK	0	1	92	Yes	Yes
	1	Wireless 380 Bluetooth Module,12	VY4F2	0	0	92	No	No
	Dell Op	penManage Inventory Age	ent (for Dell	Business	Gient S	ystems)		
	Detail							Statistics

Figure 30. Selecting Dell OpenManage Inventory Agent.

2. In the Deploy Software Updates Wizard, type a description and then browse to select the **Collections.** 

Deploy Software Updates	s Wizard		×
General			
General	Specify general info	ormation for this deployment	
Deployment Settings			
Scheduling			
User Experience	Deployment Name:	Dell Software Updates - 2012-11-09 12:33:11 PM	
Alerts	D <u>e</u> scription:		
Download Settings			
Deployment Package			
Download Location			<b>Y</b>
Language Selection	The following software upo	dates or software update groups are included in this deployment.	
Summary	Software <u>U</u> pdate/Software	Dell Openkilanage Inventory Agent (for Dell Rusiness Client Sustance)	Province
Progress	Update Group:	Deli Openimanage Inventory Agent (for Deli Business Client Systems)	DIOMS6
Completion	Select a previously saved	deployment template that defines configuration settings for this deployment. Before	you complete this
	wizard, you have the optio	n to save the current configurations as a new deployment template.	
	Calast Dealeument	L Tanalaha	
	Select Deploymen	(_emplate	
	Deploy this software updat	e deployment to the following collection.	
	Collection:	0	Browse
		· · · · · · · · · · · · · · · · · · ·	
	0		1
	w	< Previous Next > Summary	Cancel

Figure 31. Specifying general information for this deployment.

Select Collection		×
Device Collections	Filter	Q
T Root	Name	Member Count
	🗳 All Desktop and Server Clients	13
	🐓 All Mobile Devices	0
	💞 All Systems	15
	💞 All Unknown Computers	2
		OK Cancel

Figure 32. Selecting Device Collection.

3. Select the **Device Collection**.

Deploy Software Update:	s Wizard	×
General		
General Deployment Settings Scheduling User Experience Alerts Download Settings Deployment Package Distribution Points Download Location Language Selection Summary Progress Completion	Specify general Deployment Name: Description: The following softwar Software Update/Sof Update Group: Select a previously so wizard, you have the Select Deploy Deploy this software of Collection:	Linformation for this deployment          Dell OpenManage Inventory         re updates or software update groups are included in this deployment.         Itware       Dell OpenManage Inventory Agent (for Dell Business Client Systems)         Browse         aved deployment template that defines configuration settings for this deployment. Before you complete this option to save the current configurations as a new deployment template         update deployment to the following collection.         All Systems       Browse
	0	< Previous Next > Summary Cancel

Figure 33. Specifying deployment information.

	Figure 34. Spe	cifying deployment settings.		
Deploy Software Updates	Wizard	×		
Deployment Settin	gs			
General Deployment Settings	Specify deployment s	ettings for this deployment		
Scheduling User Experience Alerts	Specify if this deployment is av	ailable for installation or if it is a required installation.		
Download Settings	Type of <u>d</u> eployment:	Required		
Summary Progress	Use Wake-on-LAN to	wake up clients for required deployments		
Completion	State message detail level.			
	You can specify the state message detail level returned by clients for this software update deployment. A detail level of Normal returns all state messages that are related to the deployment. A detail level of Minimal returns only the enforcement success, and critical error messages.			
	De <u>t</u> ail level:	Normal		
		< Previous Next > Summary Cancel		

Figure 34. Specifying deployment settings.

- 5. Select a Deployment type from the Type of deployment drop-down list. The options are: **Required** (Mandatory) or **Available** (Optional).
- 6. To configure scheduling when the deployment is available to be installed on the client, click Next.

Fig	ure 35. Configuring scheduling details for deployment.	
➡Deploy Software Update	s Wizard	X
Scheduling		
General Deployment Settings Scheduling User Experience Alerts Download Settings Summary Progress Completion	Schedule evaluation   Specify if the schedule for this deployment is evaluated based upon Universal Coordinated Time (UTC) or the local time of the client.   Time based on:   Configure available time   Software objective time   Software available time   Specific time:   If you are available time to required software updates. You can determine the deadline by adding the deadline time the deadline is reached, required software updates are installed on the device and the device and the device is restarted if necessary.   As soon as possible   Specify an installation deadline is reached, required software updates are installed on the device and the device is restarted if necessary.   As soon as possible   Specify an installation deadline is reached, required software updates are installed on the device and the device is restarted if necessary.	

7. Set the Installation Deadline. The installation deadline allows the required updates to install when the deadline is reached.

< <u>P</u>revious

 $\underline{N}ext >$ 

<u>S</u>ummary

Cancel

zard
Specify the user experience for this deployment
User visual experience
User notifications: Display in Software Center and show all notifications
Deadline behavior
when the installation deadline is reached, allow the following activities to be performed outside the maintenance window:
<ul> <li>Software updates installation</li> <li>System restart (if necessary)</li> </ul> Device restart behavior Some software updates require a system restart to complete the installation process. You can suppress this restart on servers and workstations. Suppress the system restart on the following devices: <ul> <li>Sgrvers</li> <li>Morkstations</li> </ul> Previous Next > Summary Cancel

Deploy Software Update	es Wizard			×
Alerts				
General Deployment Settings	Specify software update alert opt	tions for this deploy	ment.	
Scheduling User Experience Alerts Download Settings	Configuration Manager alerts Specify the criteria for generating a Configurati Generate an alert when the following cont	on Manager alert. Jitions are met:		
Summary Progress Completion	Client compliance is below the following (p Alerts are generate when a specified offse	percent): et period has elapsed after th	90 e previously defined installation dead	dline.
	Offset from the deadline time:	7	Days	<b>_</b>
	Alert <u>ge</u> neration time (represented in local time):	11/15/2012	12:47 PM	×
	Operations Manager alerts System Center Operations Manager might ge alerts for planned maintenance, you can disa Disable Operations Manager alerts while Generate Operations Manager alert whe	nerate alerts when a device ible these alerts during the d software updates run n a software update installati	installs a software update. To avoid uration of the software update install ion fails	receiving ation process.
		< Previous	Next > Summary	Cancel

Figure 37. Specifying the software update alert options.

	Figure 56. Specifying dowinoad settings.			
Deploy Software Updates	Wizard			
Download Settings				
General Deployment Settings Scheduling	Specify download settings of this deployment			
User Experience Alerts	Select the deployment option to use when a client is within a slow or unreliable network boundary, or when the client uses a fallback source location for content.			
Download Settings Summary Progress	Deployment options:			
Completion	Download software updates from distribution point and install			
	When software updates are not available on any preferred distribution points, clients can download and install software updates from a fallback source location for content.			
	Deployment options:			
	<ul> <li>Download software updates from unprotected distribution point and install</li> </ul>			
	$\mathbf{\overline{v}}$ Allow clients to share content with other clients on the same subnet			
	< Previous Next > Summary Cancel			

Figure 38. Specifying download settings.

10. To select the deployment packages, click Next.

	Figure 39. Specifying the package.	
Deploy Software Updates	; Wizard	×
Deployment Pack	age	
General Deployment Settings Scheduling User Experience Alerts Download Settings	Specify the package to use The deployment package contains the software update files that will be available to clients as part of the deployment. You can select an existing deployment package or create a new one.	
Deployment Package	Select deployment package:	
Language Selection	Browse	
Summary	C <u>C</u> reate a new deployment package:	
Progress	Na <u>m</u> e:	
Completion		
	Package source (Example): \\ <server>\<folder path=""></folder></server>	
	Br <u>o</u> wse	
	Sending priority:	
	Medium	
	< Previous         Next >         Summary         Cancel	

11. Create a new deployment package based on user requirements.

Figure 40.	Specifying	the	package	to use.

Deploy Software Updates	; Wizard
Deployment Packs	age
General Deployment Settings Scheduling	Specify the package to use
User Experience Alerts Download Settings	The deployment package contains the software update files that will be available to clients as part of the deployment. You can select an existing deployment package or create a new one.
Deployment Package Distribution Points	C Select deployment package:
Download Location Language Selection Summary	Create a new deployment package:     Name:
Progress Completion	Dell_Updates  Description:
	Package source (Example): \\ <server>\<folder path="">       \\10.x.x.x\WsusContent     Browse</folder></server>
	Sending priority:
	< Previous         Next >         Summary         Cancel

Deploy Software Updates	s Wizard			×
Distribution Point:	5			
General Deployment Settings Scheduling User Experience Alerts	Specify the dis	tribution points or distr r distribution point groups:	ibution point groups to h	ost the content
Download Settings	Filter	Derricker	A	
Depioyment Package	IName	Uescription	Associations	<u>R</u> emove
Distribution Points		There are no kerns		
Download Location				
Language Selection				
Summary				
Progress				
Completion				
				0
	0		< Previous Next >	<u>Summary</u> Cancel

Figure 41. Specifying the distribution point groups.

13. Add Distribution Points.

Figure 42. Add Distribution Points dialog box	κ.
Add Distribution Points	×
Add the existing distribution points to distribute content using the checkboxes below.	
Available distribution points:	
Filter	2
Name	
□ \\WIN-DHUJCNXBGUC.example.com	
	•
ОК С	ancel

#### Figure 43. Select the Distribution point Name check box.

Add Distribution Points
Add the existing distribution points to distribute content using the checkboxes below.
Available distribution points:
Filter
Name
✓ \\WIN-DHUJCNXBGUC.example.com
OK Cancel

14. Select the Distribution Point, and then click **OK**.

Figure 44. Specifying the distribution points or point groups to host the content.

Deploy Software Updates	s Wizard					×
Distribution Point:	5					
General	Specify the distr	ibution points or dist	ibution point area	une to hos	t the content	F
Deployment Settings	opeony the dist	ibution points or dist	ibution point gro	ups to nos	it the conten	L.
Scheduling						
User Experience	Distribution points or c	distribution point groups:				
Alerts						
Download Settings	Filter				2	<u>A</u> dd ▼
Deployment Package	Name	Description	Associations			Remove
Distribution Points	\\WIN-DHUJCNXB	GUC Distribution point			_	
Download Location						
Language Selection						
Summary						
Progress						
Completion						
	0				1	
	<b>e</b>		< Previous	<u>N</u> ext >	Summary	Cancel

Figure 45. Specifying the software update source location.

Deploy Software Updates	s Wizard
Download Locatio	n
General Deployment Settings Scheduling	Specify the source location for software updates that you will download
User Experience Alerts Download Settings	If your site server does not have an Internet connection, you can download the software updates from a different computer and save them to a network location accessible by the site server.
Deployment Package	O Download software updates from the Internet
Distribution Points	
Download Location	O Download software updates from a location on my network:
Language Selection	Example: \\ <server>\<folder path=""></folder></server>
Summary	Browse
Progress	
Completion	When the deployment package contains all required software updates, select "Download' software updates from the Internet".The software updates files will be validated, but will not be downloaded again.
	< Previous

	Figure 46. Specifying	update languages.
Deploy Software Updates	s Wizard	×
Language Selection	on	
General Deployment Settings Scheduling User Experience Alerts	Specify the languages of the up Software update files are downloaded for eac	rdates Ih language specified in the Update File column.
Download Settings	Language	Update File
Deployment Package	Arabic	
Distribution Points	Chinese (Hong Kong S.A.R.)	
Language Selection	Chinese (Taiwan)	
Language Selection	Chinese (People's Republic of China)	
Brogross	Lzech	
Completion	Danish	
Completion	Dutch	
	English	
	Finnish	
	French	
	German	
	Greek	
	Hebrew	
	Hungarian	
	Italian	
	Japanese	
	Korean	
	Norwegian	
	Polish	
	0	< Previous Next > Summary Cancel

	Figure 47. Confirming the settings.	
Deploy Software Updates	s Wizard	×
Summary		
General Deployment Settings Scheduling User Experience Alerts Download Settings Summary Progress Completion	Details:         Updates Targeted:            • Del OpenManage Inventory Agent (for Dell Business Client Systems) T34DT(Article ID eneral:            • Del OpenManage Inventory Agent (for Dell Business Client Systems) T34DT(Article ID eneral:            • Deployment Name: Dell Software Updates - 2012-11-09 12:37:55 PM · Deployment Settings: Person wake-up packets: NS Verbosity Level: Normal Send wake-up packets: NS Verbosity Level: Normal Senduing: • Deployment schedules will be based on: Computer local time · Available to target computers: 11/16/2012 12:38:00 PM · Deadline for software update installation: 11/16/2012 12:38:00 PM · Deadline for software updates installation: 11/16/2012 12:38:00 PM · Deadline for software updates installation: 11/16/2012 12:38:00 PM · Deadline for software updates outside the maintenance window when deadline is reached: No Pestart system outside the maintenance window when deadline is reached: Suppresso · It a restart is required it will be: Allowed Mare • On software update installation error generate a Window Event: No Disable Window Event while software updates install: No Moundoad Setting • On onputers can retrieve content from remote distribution points: Yes • Download and install software updates from the fallback content source location: No vonnload and install software updates from the fallback content source location: No Moundoad Settings	Save As <u>T</u> emplate
	< Previous Next >	Summary Cancel

18. Confirm the settings and click Next.



#### 19. Click Close.

Use the above steps (Deploy updates to target Client Systems) to deploy other updates like BIOS, Application or Drivers on the target client Systems.

Note: You can choose to deploy all updates at once, but make sure that you deploy DSIA first before you deploy the other updates.

## Initiating the actions on the client side

On the target client systems where you want to deploy the updates do the following:

1. Go to control panel-> Configuration Manager.

Co	nfiguratio	on Mana	iger Proj	perties	5	2
Cache	(	Configuratio	Ins		Network	
General	Compor	nents	Action	ns	Site	
View and Center 21	l configure th 012 Configura	e client pro ation Mana	perties for f ger.	Microsoft	® System	
<u>Client properties:</u>						_
Property		Value				
Assigned mana; Client certificate Connection Typ Site code: Unique identifie Version:	gement poi : ::	WIN-DHI Self-signe Always in SMS:CAT GUID 5.00.771	JJCNCBGU Id Iranet	JC. exar	nple.com	
		OK	Ca	ancel	Apply	J

Figure 49. Viewing the Configuration Manager Properties file.

2. Select the Actions tab.

Co	ntiguration Mana	ger Propert	les
Cache	Configuratio	ns	Network
General	Components	Actions	Site
Select an action t configured in the	o run a client cycle inde Configuration Manager c	pendently from s console.	chedules that are
Actions:			
Application Dep	loyment Evaluation Cycle	e	
Discovery Data	Collection Cycle		
File Collection C	ycle		
Hardware Inver	tory Cycle		
Machine Policy	Retrieval & Evaluation C	ycle	
Software Invent	ory Cycle		
Software Meteri	ng Usage Report Cycle		
Software Updat	es Deployment Evaluatio	on Cycle	
Software Updat	es Scan Cycle		
User Policy Ret	ieval & Evaluation Cycle	!	
Windows Install	er Source List Update C	ycle	
L			
			<u>R</u> un Now

## Figure 50. Configuration Manager: Action tab.

Cache	Configuratio	ns	Network
General	Components	Actions	Site
Select an action to configured in the C	o run a client cycle inde Configuration Manager c	pendently from s console.	chedules that ar
Ac <u>t</u> ions:			
Application Depl	oyment Eivaluation Cycl	e	
Discovery Data (	Collection Cycle		
File Collection Cy	vcle		
Hardware Invent	ory Cycle		
Machine Policy F	Retrieval & Evaluation C	ycle	
Software Invento	ory Cycle		
Software Meterin	ig Usage Report Cycle		
Software Update	es Deployment Eivaluatio	on Cycle	
Software Update	es Scan Cycle		
User Policy Retri	eval & Evaluation Cycle		
Windows Installe	er Source List Update C	ycle	
			Rup Now

#### Figure 51. Selecting an action.

3. Select Machine Policy Retrieval & Evaluation Cycle and click Run Now.

Figure 52. Review the message dialog box.



4. Click OK.

Cache	Configuratio	ins	Network
General	Components	Actions	Site
Select an action to configured in the C	run a client cycle inde onfiguration Manager (	pendently from console.	schedules that a
Ac <u>t</u> ions:			
Application Deplo	yment Eivaluation Cycl	e	
Discovery Data C	ollection Cycle		
File Collection Cy	cle		
Hardware Invento	ory Cycle		
Machine Policy R	etrieval & Evaluation C	lycle	
Software Invento	ry Cycle		
Software Metering	g Usage Report Cycle		
Software Update:	s Deployment Eivaluati	on Cycle	
Software Update:	s Scan Cycle		
User Policy Retrie	val & Evaluation Cycle	•	
Windows Installer	Source List Update C	ycle	
			Run Now
			<u></u>

#### Figure 53. Selecting another action.

5. Select Software Updates Deployment Evaluation Cycle and click Run Now.

Figure 54. Review the message dialog box.



6. Click OK.

General     Components     Actions     Site       Select an action to run a client cycle independently from schedules that an configured in the Configuration Manager console.     Actions       Actions:     Application Deployment Evaluation Cycle     Discovery Data Collection Cycle       Discovery Data Collection Cycle     Hardware Inventory Cycle       Hardware Inventory Cycle     Software Inventory Cycle       Software Inventory Cycle     Software Metering Usage Report Cycle       Software Updates Deployment Evaluation Cycle     Software Updates Scan Cycle       User Policy Retrieval & Evaluation Cycle     Windows Installer Source List Update Cycle	Cache	Configuratio	ns	Network
Select an action to run a client cycle independently from schedules that an configured in the Configuration Manager console. Actions: Application Deployment Evaluation Cycle Discovery Data Collection Cycle File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Inventory Cycle Software Updates Deployment Evaluation Cycle Software Updates Deployment Evaluation Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle	General	Components	Actions	Site
Actions: Application Deployment Evaluation Cycle Discovery Data Collection Cycle File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	elect an action to configured in the C	run a client cycle inde onfiguration Manager o	pendently from : console.	schedules that ar
Application Deployment Evaluation Cycle Discovery Data Collection Cycle File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle	Actions:			
Discovery Data Collection Cycle File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	Application Deplo	yment Eivaluation Cycl	e	
File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle	Discovery Data C	ollection Cycle		
Hardware Inventory Cycle Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	File Collection Cy	de		
Machine Policy Retrieval & Evaluation Cycle Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	Hardware Invento	ory Cycle		
Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	Machine Policy R	etrieval & Evaluation C	ycle	
Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	Software Invento	y Cycle		
Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle Bun Now	Software Metering	g Usage Report Cycle		
Software Updates Scan Cycle User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle <u>Bun Now</u>	Software Update:	Deployment Evaluation	on Cycle	
User Policy Retrieval & Evaluation Cycle Windows Installer Source List Update Cycle <u>Bun Now</u>	Software Update:	: Scan Cycle		
Windows Installer Source List Update Cycle           Bun Now	User Policy Retrie	val & Evaluation Cycle	!	
Bun Now	Windows Installer	Source List Update Q	ycle	
Bun Now				
<u>B</u> un Now				
<u>B</u> un Now				
				<u>R</u> un Now

#### Figure 55. Select another action.

7. Select Software Updates Evaluation Cycle and click Run Now.

Figure 56. Review the message dialog box.



8. Click OK.

After Initiating the Cycles on the client side, an information message displays the following:



Note: The information message only appears if the software update is applicable to this system.

9. To view the complete details of the update, go to Software Center and view.



0	Software Center ×
	IT Organization
•	Software changes must be applied to your computer after 11/16/2012
	at 5:56 PM. Required changes: 1 item View details Restart: Might be required
The cha Center:	anges will be applied after the deadline shown above, or you can have Software
<ul> <li>App</li> <li>App</li> <li>F</li> </ul>	oly all required changes now (recommended) oly all required changes outside my configured <u>business hours</u> Restart my computer automatically if needed
	OK REMIND ME LATER

10. To View the Update details, select View details.

10		- 🗆 🗙						
				IT Organization				
Installation Stat	us Installed Software Op	tions						
SHOW Updates	<ul> <li>Show optional soft</li> </ul>	ware		SEARCH P				
				Find additional applications from the Application Catalog				
NAME	ТУ	PE PUBLISHE	R AVAILABLE AFTER	STATUS				
😨 Dell OpenManage Inver	ntory Agent (for Dell Business Client Systems) U	pdate Dell	11/9/2012	Scheduled to install after 11/16/2012 5:56:00 PM				
Dell OpenManage Inventory Agent (for Dell Business Client Systems)								
OVERVIEW		REQUIREMENTS		DESCRIPTION				
Status:	Scheduled to install after 11/16/2012 5:56:00 PM	Restart required:	Might be required	Dell OpenManage Inventory Agent is a data provider for Microsoft WMI to inventory information for Dell supported devices on Dell				
Help document:	Click here			Precision workstations, OptiPlex desktops, and Latitude laptops.				
Bulletin ID:	T34DT			This service is run at boot time and then stopped automatically.				
Article ID:	13401							
INSTALL ALL REQUIRED				SCHEDULE INSTALL				

#### Figure 59. Viewing installation status.

Update Details display as shown in Figure 51. You can schedule the installation by clicking SCHEDULE.



Figure 60. Selecting a software install option.

11. Click Install software now and then click OK.

19			- D ×					
					IT Organization			
Installation Status	Installed Software	Options						
SHOW Updates	▼ Show opti	onal software			SEARCH D			
					Find additional applications from the Application Catalog			
NAME		ТҮРЕ	PUBLISHER	AVAILABLE AFTER	STATUS			
😽 Dell OpenManage Inventory A	Agent (for Dell Business Client Syste	ms) Update	Dell	11/9/2012	Installed			
•					•			
Dell OpenManage Inventory Agent (for Dell Business Client Systems)								
OVERVIEW		REQUI	REMENTS		DESCRIPTION			
Status:	Installed	Restart	required:	Might be required	Dell OpenManage Inventory Agent is a data provider for Microsoft			
Help document: Bulletin ID:	T34DT				Precision workstations, OptiPlex desktops, and Latitude laptops.			
Article ID:	T34DT				This service is run at boot time and then stopped automatically.			
INSTALL ALL REQUIRED					UNINSTALL			

Figure 61. Installation status window.

The software update installed successfully.

DSIA (Dell OpenManage Inventory Agent) update installed successfully on the target client systems.

**Note:** DSIA (Dell OpenManage Inventory Agent) does not require a system reboot. However, for other updates likes BIOS, Drivers and Applications may require a system reboot on the target client system after a successful installation of updates.

## Summary

By using Dell Client Catalog in a System Center 2012 Configuration Manager environment, you can keep your Dell Business Client Systems updated with the latest versions of BIOS, drivers and applications install easily.

# Additional resources

- Catalogs information in Dell TechCenter
   <u>http://en.community.dell.com/techcenter/os-applications/w/wiki/dell-updates-catalogs.aspx</u>
- Catalog Readme information
   <u>ftp://ftp.dell.com/cmsdk/DellSDPCatalogPC\_Readme.doc</u>
- Client Catalog update location
   <u>ftp://ftp.dell.com/catalog/DellSDPCatalogPC.cab</u>