

# 2.2 - SCCM Guide

- Overview
- Use SCCM to Create CSV with Device Information
- Application and Deployment for UDC Config Files
  - Create the Application
  - Create the Deployment Type
- Application and Deployment Type for UDC Client
  - Create the Application

  - Create the Deployment Type
    Distribute the Content to Distribution Points
- Deployment for UDC Client Install
- Deployment for UDC Client Uninstall
  Update UDC Client Application and Deployment

#### **Overview**

This document describes how to use SCCM to manage UDC Client installation on devices in your organization.

#### Use SCCM to Create CSV with Device Information

Use the following instructions to create a CSV containing device details for many devices. This CSV can be uploaded into the Lenovo Device Intelligence portal for bulk adding.

	Description	Depiction			
1	Write a SQL query to display the following information under <b>Monito</b> ring > Queries workspace, or import the attached query (Get- deviceinfo.mof) provided by Lenovo as an example. • Manufacturer • SerialNumber • SysmteModel • SystemName	Becker dogen feeder teel Here: Cover Lever Cever			
2	In the ribbon bar, click the blue button in the far left and choose <b>Con</b> nect via Windows PowerShell.	Selected Object, Notice New       Microsoft Lindpoint Londpoint Control to No1 - Hindright (Londberger Londberger			

Then type the following:	Windows PowerStell     Select-Dbject -Property @{Name     Stypession [systs.gx, Support     Select-Dbject -Property @{Name     Select-Dbject -Proper
<pre>Invoke-CMQuery -Name "GetDevice"   Select- Object -Property @{Name="device_name";Expression={\$ SMS_G_System_COMPUTER_SYSTEM.Name}},@{Name=" device_manufacturer";Expression={\$ SMS_G_System_PC_BIOS.Manufacturer}},@{Name=" device_modeltype";Expression={\$ SMS_G_System_COMPUTER_SYSTEM.Model}},@{Name=" device_category";Expression={"PC"}},@{Name=" device_category";Expression={"PC"}},@{Name=" device_category";Expression={"PC"}}</pre>	PS PS1:> Invoke-CMQuery-Mame Control ( Select-Object -Property @{Mame-Control _Anne } ); PC BIOS.Manufacturer); PC BIOS.Manu
<pre>device_activation_code";Expression={""}},@ [Nume_"device_activation_code";Expression={""}}</pre>	
<pre>{Name="device_serialnumber";Expression={\$ SMS_G_System_PC_BIOS.SerialNumber}},@{Name=" device_serialnumber}}.</pre>	
<pre>device_ramity", Expression={""}},@{Name=" device_enclosuretype";Expression={""}}</pre>	

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4 This device.csv is ready for bulk add.

location>\device.csv"

### Application and Deployment for UDC Config Files

The following UDC Configuration files will need to be copied to the root drive on the client.

-Unique | Export-Csv -NoTypeInformation -Path

- configuration.json.signed
- devices.csv

"<Target

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A ConfigMgr Application with a Script Installer Deployment Type will be created and added as a dependency to the UDC Client application. Detection rules are set to check if both files exist on the client before installing the UDC Client. If absent, the UDC Client will install and both configuration files will be copied to the specified location.

#### Create the Application

	Description	Depiction
1	Unzip the "devices.zip" as "devicesConfig" folder and place in a source location where the computer account of the site server has read permissions.	
2	In the ConfigMgr console, go to the <b>Software Library</b> workspace, expand <b>Application Management</b> , and select the <b>Application</b> node.	
3	Click <b>Create Application</b> on the <b>Home</b> tab of the ribbon bar to start the wizard.	
4	Choose to Manually specify the application information, click Ne $\mathbf{x}\mathbf{t}.$	

	Drevide a Name and any other information. Click Next		Microso	ft Endpoint Configuration Ma	apager (Connected to PS1 - Primary Site	n – ×		
э	Provide a Name and any other information. Click Next.		Treate Application Wizard				×	
		Recyc						
			General Informat	ion				
		- 1	General	Specify information	about this application			
		UDCT	Q Software Center					
		s	Deployment Types	Name:	UDCConfig-1			
			Summary	Administrator comments:	UDCConfig files		^	
			Progress					
		Configu Manage		Publisher:	Lenovo Softwa	are version:		
				Optional reference:				
				Administrative categories:		0	Select	
				Date published:	8/ 6/2020			
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			8	Specify the administrative u	sers who are responsible for this application.			
		Autoh	<b>↓</b>	Owners:	Administrator		Browse	
			3	Support contacts:	Administrator		Browse	
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6	Provide information on how this app should be displayed in the							
	Software Center, Click Next							
	Contrare Conten. Chok Next.							

#### Create the Deployment Type

	Description	Depiction
1	Click Add to start the Deployment Type wizard.	
2	Choose Script Installer from the drop down list. Click Next.	Construction   Construction

3	Provide a Name. Click Next.	
4	Specify the <b>Content Location</b> where the <b>devicesConfig</b> folder containing both configuration files resides.	
5	In the same <b>devicesConfig</b> folder, create a "copy.bat" to include the below 2 lines: Please ensure that the <b>signed</b> configuration file is copied xcopy "%~dp0configuration.json.signed" "C: \" /Y /E /C /Q /H /S xcopy "%~dp0devices.csv" "C:\" /Y /E /C /Q /H /S	
6	Provide "copy.bat" for the content in the <b>Installation program</b> f ield.	Image: Second and Control in Second and Second





# Application and Deployment Type for UDC Client

UDC Client Installer is provided as an executable and will be created as a ConfigMgr Application with a Script Installer Deployment Type.

#### Create the Application

	Description	Depiction
1	Copy the <b>UDCSetup.exe</b> to a source location where the computer account of the site server has read permissions.	
2	In the ConfigMgr console, go to the <b>Software Library</b> workspace, expand <b>Application Management</b> , and select the <b>Application</b> node.	
3	Click <b>Create Application</b> on the <b>Home</b> tab of the ribbon bar to start the wizard.	
4	Choose to Manually specify the application information, click Ne xt.	
5	Provide a <b>Name</b> and any other information. Click <b>Next</b> .	Constant Manager (Sometic bary) - Printing - State - Printing - Printige - Printing - Printing - Printing - Printing - Printige - Printige
6	Provide information how this app should be displayed in Software Center. Click <b>Next</b> .	

#### Create the Deployment Type

	Description	Depiction
1	Click Add to start the Deployment Type wizard.	
2	Choose Script Installer from the drop-down list. Click Next.	Image: International internatinternatinte international international international

3	Provide a Name. Click Next.	Hone     Searche     Software Library     Application     Software Library     Application     Software Library     Austis and Co     Software Library     Austis Austis Austis	Content Parlow Content Parlow Content Content Content Dependencies Summary Parlow Completion Summary Parlow Completion Summary Completion Summ	At traggorit computation Manager (connected to /s) - rummary and u) ment Type Ward al Information Specify general information for this deployment type Application on here any runber of deployment types. Deployment types rulk into to or Application on here any runber of deployment types. Type Specify General information Name: UCC27026 Language: UCC27026	tert and seings that
		S Community		< Previous Next > Sur	nmary Cancel *
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					0101C020
4	Specify the <b>Content Location</b> where the <b>UDCSetup.exe</b> resides.				
5	Enter the command to install the content in the Installation	yuhong_test.bt -	Create Deploym	oft Endpoint Configuration Manager (Connected to PS I - Primary Site I) nent Type Wizard	×
	program field.	Eile Edit Format	d 🔝 Conter	nt	~
	"UDCSetup.exe" /VERYSILENT	http://cm01.cd	General d General Informa	Specify information about the content to be delivered to target detion	evices
	Enter the command to uninstall the content in the Uninstall	C:\Windows\Sys	Content S Detection Metho	Specify the location of the deployment type's content and other settings that control how conte devices. All the contents in the path specified will be delivered.	nt is delivered to target
	program field. (This will allow the deployment to uninstall UDC	UDClientServic	Requirements Dependencies	Content location: VCM01VestVedaVemp0123	Browse
	Client)		Summary Progress	Persist content in the client cache	
	UDCInfInstaller.exe -uninstall	( ) Windows ) Svo	Completion	Specify the command used to install this content. Installation program:	Browse
	Uninstall start in: C:	C: (WILLOWS (595		Installation start in: Configuration Manager can remove installations of this content if an uninstall program is specifie	id below.
	\Windows\System32\drivers\Lenovo\udc\Data\InfBackup			Uninstall program: UDCInfinitaller exe-uninstall Uninstall stat in: i/System32/drivers/Lenovo/udc/Data/InfBackuej	Browse
	Click Next.			Pun installation and uninstall program as 32-bit process on 64-bit clients.	
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<u> </u>	Configure the following detection vulnes	8	Folder Toole Microso	Nt Endpoint Configuration Manager (Connected to P31 - Primary Site 1)	
0	Configure the following detection rules.	Home	Create Deploym	nent Type Witzard	× • • • • 1 • •
	<ul> <li>Setting Type: File System</li> <li>Path: C:\Windows\System32\drivers\Lenovo\ude\Service</li> </ul>	Create Saved Searches	General	presection nume	
	<ul> <li>File or folder name: UDClientService.exe</li> </ul>	€ → • 🖃 '	General Info S Content	Rele System	· 2
	<ul> <li>Untick This file or folder is associated with a 32-bit application on 64 bit outcome</li> </ul>	Software Library	Detection N SI User Experie	ipeofly the file or folder to detect this application.	This h Add Criteria *
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	<ul> <li>Operator: Equals</li> <li>Value: 2.9.0.49 (Or whatever the current version of UDC</li> </ul>	Global Cor	r C	) The file system setting must exist on the target system to indicate presence of this application	
	is)	👫 Windows S	s 🖲	Ine tile system setting must satisfy the following rule to indicate the presence of this application     Property:     Version	~
	Click OK, click Next.	<ul> <li>Software Up</li> <li>All Software</li> </ul>	or Ir	Operator:         Equals           Value:         2.7.0.26	×
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7	Specify the following user experience settings		Create	Deployment Type	Wizard	- 14 OCT D.' C' T	3	<
	<ul> <li>Installation Behavior: Install for System</li> <li>Logon requirement: Whether or not a user is logged on</li> <li>Click Next through Requirements.</li> </ul>	Recyc Creaty	General	User Experience	Specific upor ovporionen estilio	as for the application		
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8	Click Add to add a software dependency.	Home	Eniciar Toole	Microsott Endpoin Deployment Type V	it Configuration Manager (Connected to P: Wizard	s I - Primäry Site I)	;	<
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9	Specify a name for the dependency group.	Home	Create	Deployment Type	Wizard			× 🗑 🏲 1 🙂 -
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10	Click <b>Add</b> to add the application that was created for the UDC	Home	Create De	Microsoft Endpoint Configuration Manager (Connected to PS I - Primary Site I)           Deployment Type Wizard         X	□ × • @ №1 ©•
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		Software Library	Content Detection	n Specify one or more applications. If any one of the specified applications is present on a device, this dependency oroup d.	
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11	Complete the rest of the wizard to create the application.	Home	treate A	Application Wizard X	∧ @ №1 🙂·
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#### Distribute the Content to Distribution Points

	Description	Depiction
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1	Right Click the "UDCxx Installer" Application created above,	Home	Folder To	ools Microsoft Endpoint Config	uration Manage	r (Connected to PST - Prin	ary site 1)	- 🗗 X ^ 😧 🏲1 🙂
	choose "Distribute Content"	Image:		3 📭 🤷		<b>F</b>		
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2	Review selected content.	Home	Folder To Folde	r Microsoft Endpoint Coning	uration Manage	r (Connected to PS1 - Prin	ary site 1)	- 🗆 X ^ 😧 🏲1 💁
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		Assets and Co	ompliance	¢	installed.	sociated content dependence	ies and add them to this distribution	t status
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4	Specify the content destination.	Folder Tools     Microsoft Endpoint Loninguration Manager (Lonnected to PS I - Primary Site I)
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5	Complete the rest of the wizard to create the application.	Folder Tools     Microsoft Endpoint Configuration Manager (Connected to VS I - Primary Site I)     -      -     Home     Folder     Folder
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# Deployment for UDC Client Install

Deploy the Application to a Device Collection to install UDC client

	Description	Depiction				
1	Right Click the new created "UDCxx Installer" Application, choose " Deploy"	Folder Tools       More folder         More folder       Folder         Ceate Seriel Series       Application         More folder       Deployment         More folder       More folder         Ceate Seriel Series       Application         More folder       Deployment         More folder       Properties         Series       Application Management + Applications         Coate Series       Software Library + Overview + Application Management + Applications				
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		Image: Section of Section Statistics     Particular Statisti				

2	Browse to select collection, choose Device Collection to deploy	Folder Teach. Microsoft Endpoint Configuration Manager (Connected to PS I - Primary Site I)     Home     Home     Home     Home	0 × 🔞 🏲 1 🙂 •
	Check "Automatically distribute content for	Create Street A General General	
	dependencies"	Search Conexi Sector Performant Setting Sector Performant Sector Performant Setting Sector Performant Setting Sector Performant Setting Sector Performant Setting Sector Performant Secto	• 2
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		Windows Side	
		Software Updat     Software 1     Comments (optional):	~
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		Software Library	
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3	Specify the content destination	FopHar Tanke, Microsoft Endpoint Londinguistion Manager (Lonnected to PS1 - Primary Site 1)	
		Image: Content	
		Create Saved Search Search General Specify the content destination	
		Content Deployment Settings Software Library	• \$
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		Completion	Active
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		App-V Virtual     essociated with collections to distribute content to:     Windows Side     Fiter	
		Vigr App Configur     Name Decorption Associations      Benove     There are no items to show in this view.	*
		All Software U	
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4	Specify settings to control how this software is deployed	Forker Twee Microsoft Exponent Configuration Manager (Connected to P3 I - Primary Site I)     Prime     Popola Software Wizard     X	□ × @ №1
	Action: Install	Peployment Settings	
	Purpose: Required	Searches General Specify settings to control how this software is deployed	
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F	Complete the rest of the wizerd to greate the application	Sejected Object Folder Tools, Microsoft Endpoint Configuration Manager (Connected to PS1 - Primary Site I)	- 0 ×
Э	Complete the rest of the wizard to create the application.	Home D Poploy Software Wizard	X 💊 🍋 1 🙂 -
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		Deployment Settings	
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		Application Ma     Alerts     Software UPC 7 Installer Universit	nents Status
		Applications     Summary     Summary     Collection: 1_1 (Member Count: 2)	Active
		License Inform Progress     Ose unaux distribution point groups associated to this collection: Disabled     Automatically distribute content for dependencies: Enabled	Active
		Packages Completion	Active
		Application R Action: Univisital	Active
		Global Condit     Allow end users to attempt to repair this application: Disabled     Providence undersone to the users of undersone for the users of undersone to the users of users of undersone to the users of users of users of users of undersone to the users of	Active
		App-V Virtual     Send wake-up packets: Disabled	
		Windows Side	
		App Configur  Co	
		<ul> <li>Software Updat</li> <li>Application Version 2.7.0.26</li> <li>Application Denkyment Types: Script Installer</li> </ul>	
		> 🖲 All Software L	
		Software Upd Success: Scheduling - Time based on: UTC	
		Available Time: As soon as possible     Deadine Time: Disabled	¥
		Delayed enforcement on deployment: Disabled	, nce % Action
		Software Library	Uninstall
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# Deployment for UDC Client Uninstall

	Description	Depiction
1	Right Click the new created "UDCxx Installer" Application, choose "Deploy"	
2	<ul> <li>Browse to select collection, choose Device Collection to deploy</li> <li>Check "Automatically disctribute content for dependencies"</li> </ul>	
3	Specify the content destination.	
4	<ul> <li>Specify settings to control how this software is deployed</li> <li>Action: Uninstall</li> <li>Purpose: Required</li> </ul>	Image: Source Long under Long under Long under Long under Long Use 13 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
5	Complete the rest of the wizard to create the application.	

# Update UDC Client Application and Deployment

When a newer version of UDC Client is available for update, delete the deployment of previous UDC Installer.

# Lenovo

#### For a software update of UDC on a device, it is not necessary to uninstall & reinstall UDC. Simply install the newer version.

Update the existing UDC Installer Application to latest version and save.

	Description	Depiction
1	Specify the <b>Content Location</b> where the <b>UDCSetup.exe</b> resid es.	
2	Enter the command to install the content in the <b>Installation</b> program field.	Example Transformed Type Wood         Control         C
	"UDCSetup.exe" /VERYSILENT	http://cm91.cd General General General Information about the content to be delivered to target devices
	Enter the command to uninstall the content in the <b>Uninstall program</b> field. (This will allow the deployment to uninstall UDC Client)	C: \klindows\Sys Detection Method Use Experiments Dependences Depe
	UDCInfInstaller.exe -uninstall	C: \\kindows \Sys
	Uninstall start in: C: \Windows\System32\drivers\Lenovo\udc\Data\InfBackup	Unital program. UCCIVItatiler eres vanisal Browss. Unitatil ats r: (System 22 driven Lancon Luck: Otar VirBackue) Diversal atat r: (System 22 driven Lancon Luck: Otar VirBackue)
3	Click Next. Configure the following detection rules: Setting Type: File System Path: C: Windows\System32\drivers\Lenovo\udc\Service File or folder name: UDClientService.exe Untick This file or folder is associated with a 32-bit application on 64-bit systems. The file system must satisfy the following rule Property: Version Operator: Equals Value: 2.9.0.49 (Use the desired version of UDC) Save and Close	
4	Save and Close	
5	Repeat the DEPLOYMENT FOR UDC CLIENT INSTALL to deploy	