

# License Migration Tool (LMT) to update the License Migration Subsystem (LMS) for Wyse 7040 thin clients with Windows 10 IoT Enterprise Instructions Manual

Dell Wyse Windows 10 IoT Enterprise (WIE10) image that supports Wyse 7040 Thin Client platform are WES7P to WIE10 upgrade capable. In the previous release of the WIE10 build, a license activation bug was identified that requires an update to the tool.

This document provides instructions on updating the License Migration Subsystem (LMS).

### () NOTE:

- The LMT should only be used with the initial WIE10 update with build number 0A20. The build number can be checked under Dell Thin Client Application.
- · It is recommended to use the LMT with network connected and with the internet enabled.

### Release Date: 2017-03

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# **Upgrading LMS manually**

The following are the instructions to upgrade LMS manually:

- 1 Download the package LMT\_Update\_1.0.0.6\_WIE10.zip
- 2 On the target platform where you wish to upgrade the LMS, login as administrator.
- 3 Verify the Write-filter state from the system tray icon (UWFTray application). If enabled, initiate a disable from the desktop link provided, using **Dell Wyse WF Disable**.
- 4 Client would undergo a power recycle (reboot), post which it is required to again re-login as Administrator.
- 5 Create a **Temp** folder under C:\.
- 6 Extract the downloaded package to a local path C:\Temp on your system.
- 7 After extracting the files to the C:\Temp folder, the folder should contain six files.
- 8 Once the file count is confirmed, open a command prompt window with Administrator privileges.
- 9 Run the following command from command prompt: %SystemRoot%\system32\WindowsPowerShell\v1.0\powershell.exe C:\Temp\LMT.ps1
- 10 For no network/internet scenario, see Upgrading LMS offline.

- 11 Monitor the script flow until completion.
- 12 Navigate to Control Panel > System and verify the activation status of the client in the Dell Client Information dialog box..
- 13 The platform should display an activated status with OS licensing details.

### (i) NOTE: For more information on package update, go to C:\Windows\Setup\Logs and verify the logs.

- 14 Client will contain the latest LMT subsystem and will be in activate state after the update process.
- 15 After verifying, Write-Filter must be enabled again from desktop link using **Dell Wyse WF Enable**.
- 16 Once client completes the reboot, it should auto login to user account as configured by default, unless the custom configuration is changed.

### **Upgrading LMS offline**

The following are the instructions that you need to follow in the following Use-Case scenario: Network/Internet not available during patch execution to complete license activation cycle.

### () NOTE: For Windows 10 license activation ensure that you have an Internet connection.

- 1 If the Network or Internet issue exists during execution of the provided patch, continue with the procedure and complete the update procedure.
- 2 After the update check and confirm if network/internet is enabled.
- 3 Open a command console with administrator privileges.
- 4 Navigate to C:\Windows\Setup\Tools folder, from the command console.
- 5 Run the tool from the Command prompt as shown in the following step:

C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe Set-ExecutionPolicy RemoteSigned

C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe C:\Windows\Setup\Tools \InjectnActivateProductKey.ps1

6 Check the device is activated from the control panel option in your system.

# Upgrading LMS using WDM

The following are the instructions to upgrade LMS using WDM:

- 1 Download the LMT Update 1.0.0.6 WIE10.exe package.
- 2 Copy the LMT\_Update\_1.0.0.6\_WIE10.exe package to a shared storage on the WDM server.
- 3 Double-click the executable and follow the instructions displayed on your monitor until the required files get extracted to the C:\Temp folder .
- 4 Verify that the file count is six in number.
- 5 Register the LMT\_Update\_1.0.0.6\_WIE10.exe package to WDM server under the Other Packages category.

### () NOTE:

Refer the WDM Admin guide/ User Manual for a more detailed information on package registration.

- 6 After you successful register the LMT Update 1.0.0.6 WIE10.exe, check-in the client to the respective server.
- 7 Navigate to bundles listed under the LMT\_Update\_1.0.0.6\_WIE10.exepackage after registering the client.
- 8 Select the LMT\_Update\_1.0.0.6\_WIE10.exe package and initiate deployment process.

### (i) NOTE: Select only Dell Wyse 7040 thin clients as this version does not support any other platforms.

- 9 Monitor the deployment status on server after you deploy the LMT\_Update\_1.0.0.6\_WIE10.exe package.
- 10 Client will contain the latest LMT subsystem and will be in activate state after the update process.
- 11 The entire package push cycle requires two reboots, and automatically handles enable/disable modes with respect to the Write-Filter component and user login privileges.
- 12 You will be logged into the user account automatically by default after the client completes the update process.

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- 13 Navigate to **Control Panel > System** and verify the activation status of the client.
- 14 The platform should display an activated status with OS licensing details.

### () NOTE:

For more information on package update, go to C:\Windows\Setup\Logs and verify the logs.

# Upgrading LMS using SCCM

The following are the instructions to upgrade LMS using SCCM:

- 1 Download the package LMT\_Update\_1.0.0.6\_WIE10.zip.
- 2 Create a **Temp** folder under C:\.
- 3 Extract the downloaded package to a local path C:\Temp on your system.
- 4 After extracting the files to the C:\Temp folder, the folder should contain six files.
- 5 Copy all six files in a shared location of SCCM server.
- 6 Discover WIE10 for Dell Wyse 7040 thin client in SCCM server.
- 7 Create a custom task sequence to execute LMT.PS1 on the target client. For detailed information, see Creating custom task sequence.

### Creating custom task sequence

To create custom task sequence, do the following:

1 In the left pane, click Create New Task Sequence and select the Create a custom task sequence option, and then click Next.

😰 Create Task Sequence Wiza	ard	×
Create New Task	Sequence	
Create New Task Sequence Task Sequence Informatic Summary Progress Completion	Create a new task sequence A task sequence performs multiple steps or actions on a client computer at the command-line level without requiring user intervention. Select the type of task sequence to create. You can use the task sequence editor to add steps to your task sequence.	
	Select a new task sequence to be created.  Install an existing image package Build and capture a reference operating system image Install an existing image package to a virtual hard disk Upgrade an operating system from an upgrade package Create a new custom task sequence	
< >>	< Previous Next > Summary Cancel	

Figure 1. Create New Task Sequence

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2 In the left pane, click **Task Sequence Information** and enter the task sequence name, and then click **Next**.

😰 Create Task Sequence Wiz	ard		×
Task Sequence In	formation		
Create New Task Sequence Task Sequence Information Summary Progress	Specify task sequence ir	nformation	
Completion	Task sequence name:	LICACTPOT	
	Description:	· · ·	
	_		
			~
	Boot image:	Brows	se
< >	< <u>P</u> re	evious <u>N</u> ext > <u>S</u> ummary	Cancel

Figure 2. Task sequence information

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Figure 3. Summary



3 Check for the success message, and close the wizard.

🗐 Create Task Sequence Wizard		×
Completion		
Create New Task Sequence Task Sequence Informatic Summary Progress	The Create Task Sequence Wizard completed successfully Details:	
Completion		ך
	Success: The task sequence has been created successfully.	
	• Name: LICACIPOT	
	To exit the wizard, click Close.	
< >	< <u>Previous</u> <u>Next</u> > <u>Summary</u> Close	

### Figure 4. Completion

- 4 Right-click the task sequence which is created, and then select the **Edit** option.
- 5 Click the **Add** button, and then select the **Run command line**. You can rename the Run command line as per the action.

6 Enter the command line cmd.exe /c mkdir "C:\Temp, and then click **OK**.

LICACTPOT Task Sequence Editor			-		$\times$
Add - Remove ₫) 🖓	Properties Options				
Create Directory	Type:	Run Command Line			
Connect to Network Folder	ivame:	Create Directory			_
Execute script on client	Description:				<u>^</u>
					× .
	Command line:				
	cmd.exe /c mkdir "C:\1	'emp''			^
					~
	Disable 64-bit file sys	tem redirection			
	Start in:			Browse	
	Package:				
				Browse	
	Time-out (minutes):	15	÷		
	Run this step as the f	following account			
	Account:			Seţ	
					_
		ОК	Cancel	Арр	ply

### Figure 5. Create Directory

- 7 Click the **Add** button, and then select **Connect to Network Folder**.
- 8 Enter the network share folder path where the activation files are extracted, and then select the **Drive** letter (in this task sequence, drive letter is R).



9 Enter the account details, and click **OK**.

LICACTPOT Task Sequence Editor			-		$\times$
Add - Remove ₫) 🖓	Properties Options				
Consta Directory	Type:	Connect to Network Folder			
Connect to Network Folder	Name:	Connect to Network Folder			
Copy files from the share Execute script on client	Description:				$\hat{\mathbf{v}}$
	Enter the informatio	n to connect a network folder.			
	<u>P</u> ath:	\\WESCCM2016Srv\Share_NPI\VKK\LICAC		Browse	
	Dri <u>v</u> e:	R: ~			
	Account:	SCCM\Administrator		<u>S</u> et	
		OK Canc	el	Ap	oly

### Figure 6. Connect to Network Folder

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10 Click Add, and then select the Run command line. You can rename the Run command line as per the action.

11 Enter the following command, and then click **OK**. Xcopy.exe "R:\\*.\*" "C:\Temp" /E /C /I /R /S

LICACTPOT Task Sequence Editor			-	_		$\times$
Add - Remove	Properties Options					
S LICACTPOT	Type:	Run Command Line				
Create Directory	Name:	Copy files from the share				
Copy files from the share	Description:					^
Execute script on client						~
	Command line:					
	xcopy.exe "R:\*.*" "C:\	Temp" /E /C /I /R /Y /S				^
						· .
	Disable 64-bit file sys	tem redirection				
	Start in:			Brow	wse	
	Package:					
				Brog	<u>w</u> se	
	Time-out (minutes):	15	÷			
	Run this step as the	following account				
	Account:			Se	eţ	
		ОК	Cancel		Appl	Y

### Figure 7. Copy files from the share

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12 Click **Add**, and then select the **Run command line**. You can rename the Run command line as per the action.



#### 13 Enter the below command, and then click **OK**.

%SystemRoot%\system32\WindowsPowerShell\v1.0\powershell.exe C:\Temp\LMT.ps1

LICACTPOT Task Sequence Editor			- 🗆 X
Add - Remove ₫ე Ç≣	Properties	Options	
	Type:		Run Command Line
Create Directory	<u>N</u> ame:		Execute script on client
Copy files from the share	<u>D</u> escripti	on:	^
Counter scipt of clerit			v
	Command	line:	
	%System \LMT.ps Disable Start in: Packa Time-c Run th Agcourtical	Root%\syster 1  e 64-bit file sy ge:  ut (minutes): step as the int:	n32\WindowsPowerShell\v1.0\powershell.exe C:\Temp
			OK Cancel Apply

### Figure 8. Execute script on client

Right-click Task Sequence to create a device collection and deploy the package.Deploy Software Wizard is displayed.

15 Select the **Collection** of the device, and then click **Next**.

<ul> <li>Deploy Software Wizard</li> <li>General</li> </ul>			×
General Deployment Settings Scheduling User Experience	Specify general	ILICACTPOT	
Distribution Points Summary Progress Completion	Collection:	Pot1 Browse  Browse  Browse	3
	<u>Comments (optional)</u> :		-
		< Previous Next > Summary Cancel	

### Figure 9. General



16 Select Required in the **Purpose** field, and then click **Next**.

🔶 Deploy Software Wizard					×
Deployment Se	ettings				
General Deployment Settings Scheduling	Specify se	ttings to control how this	software is deployed	1	
User Experience	Action:	Install	~		
Alerts	Purpose:	Required	~		
Distribution Points	-	1			
Progress					
Completion	Pre-deploy	y software to the user's primary gevi	28		
	Send wak	eup packets			
	Allow clier installation	nts on a metered Internet connection 1 deadline, which might incur addition	to download content after the nal costs		
	Specify wheth run when you	ier to make this task sequence avail deploy an operating system by using	able to Configuration Manager ; boot media, prestaged media,	clients, and whether it is available to or PXE.	
	<u>M</u> ake availabi	e to the following:			
	Only Configur	ation Manager Clients			
		_			
		<	Previous Next >	Summary Cancel	

### Figure 10. Deployment Settings

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17 Under Scheduling and click As soon as possible > Next.

Scheduling						
General Deployment Settings Scheduling	Specify the sched	ule for this de	oloyment			
User Experience Alerts Distribution Points	This program will be avail later time below. For requ	lable as soon as it ha ired applications, spe	s been distributed cify the assignmen	to the content se nt schedule.	rvers unless it is sc	heduled for a
Summary	Schedule when this d	leployment will becon	e available:			
Progress	3/ 7/2017	~ 12:17 PM	¢∏ UTC			
Completion	Schedule when this d	leployment will expire				
	3/ 7/2017	* 12:17 PM	UIU 🗌 😫	2		
	Assignment schedule:			Ne <u>w</u>	Edt	Delete
	As soon as possible					
	<u>R</u> erun behavior:	Always rerun pro	gram			~

Figure 11. Scheduling



18 Under User Experience cancel the Commit changes at deadline or a during maintenance window (requires restarts) check box selection, if UWF is disabled or click Ok.

Deploy Software Wizard		×
User Experience		
General Deployment Settings Scheduling	Specify the user experience for the installation of this software on the selected devices	
User Experience	Notification settings:	
Alerts Distribution Points	Algw users to run the program independently of assignments	
Summary	Show Iask Sequence progress	
Progress Completion	When the scheduled assignment time is reached, allow the following activities to be performed outside the maintenance window:	
	Software installation	
	System restart (if required to complete the installation)	
	Write filter handling for Windows Embedded devices	
	Commit changes at deadline or during a maintenance wingow (requires restarts)	
	If this option is not selected, content will be applied on the overlay and committed later.	
	Internet based clients:	
	Allow task sequence to run for client on the Internet	
	< Previous Next > Summary Cancel	

#### Figure 12. User Experience

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- 19 Click Next until the message The Deploy Software Wizard completed successfully is displayed.
- 20 Verify whether the execution of task sequence in the client is successful.
- 21 Client will contain the latest LMT subsystem and will be in activate state after the update process.
- 22 Check for the client's activation status in the **Dell Client Information** dialog box.
- 23 Navigate to Control Panel > System and verify the activation status of the client in the Dell Client Information dialog box..
- 24 The platform should display an activated status with OS licensing details. For more information on package update, go to C:\Windows \Setup\Logs and verify the logs.

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