



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.

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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.

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.exe** package after registering the client.
- 8 Select the **LMT_Update_1.0.0.6_WIE10.exe** package and initiate deployment process.

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.



- 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**.



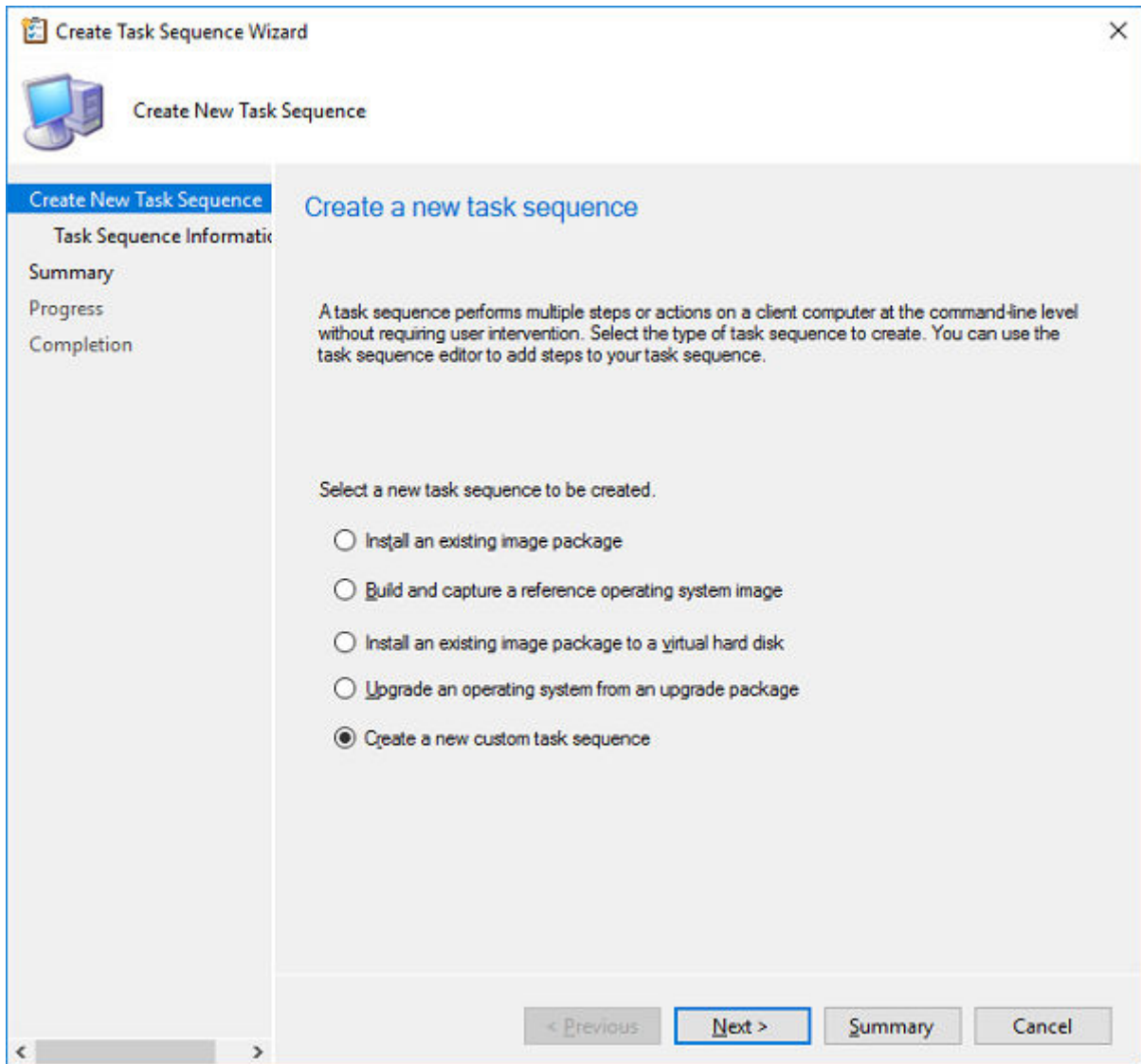


Figure 1. Create New Task Sequence

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

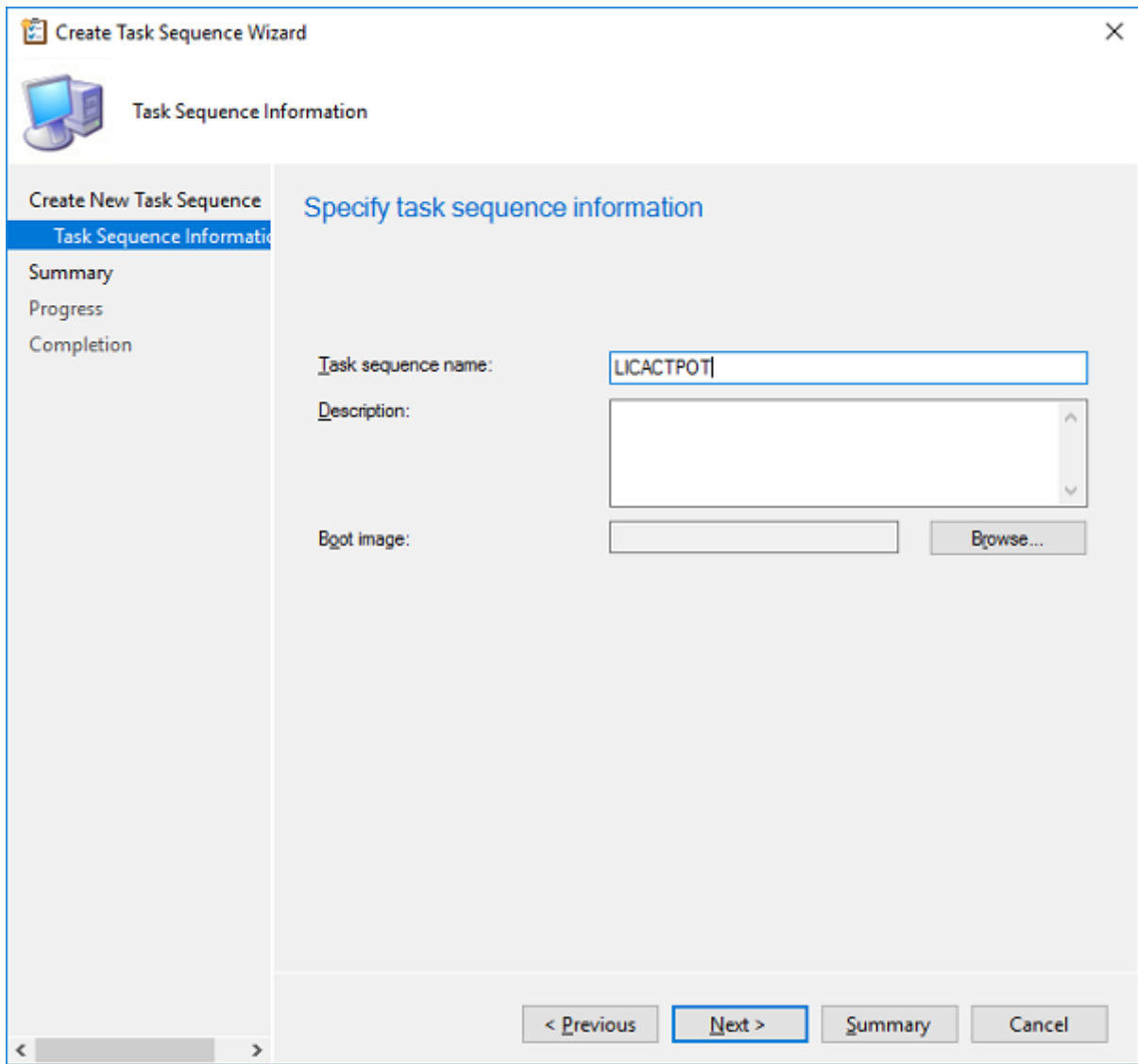


Figure 2. Task sequence information

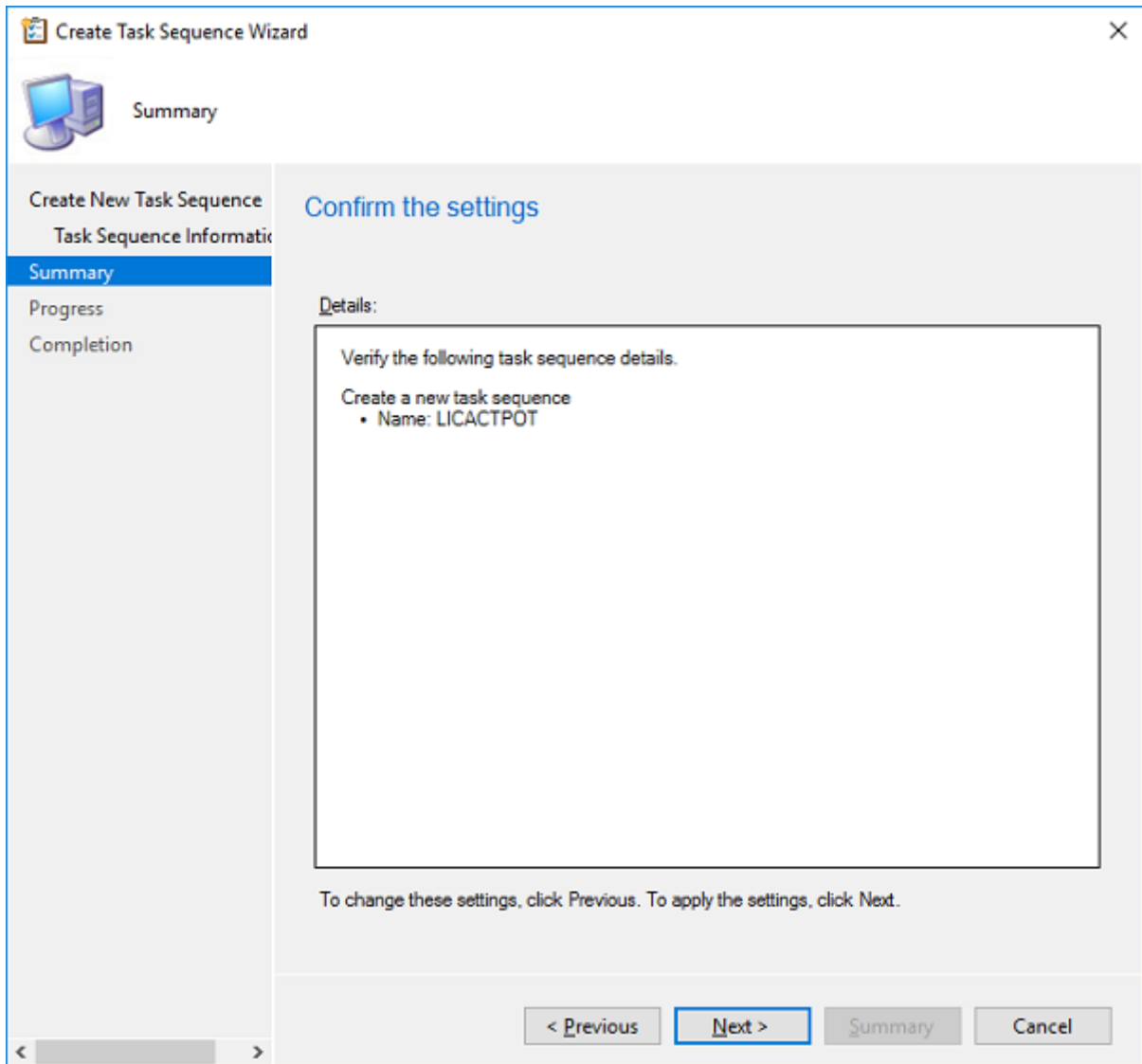


Figure 3. Summary



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

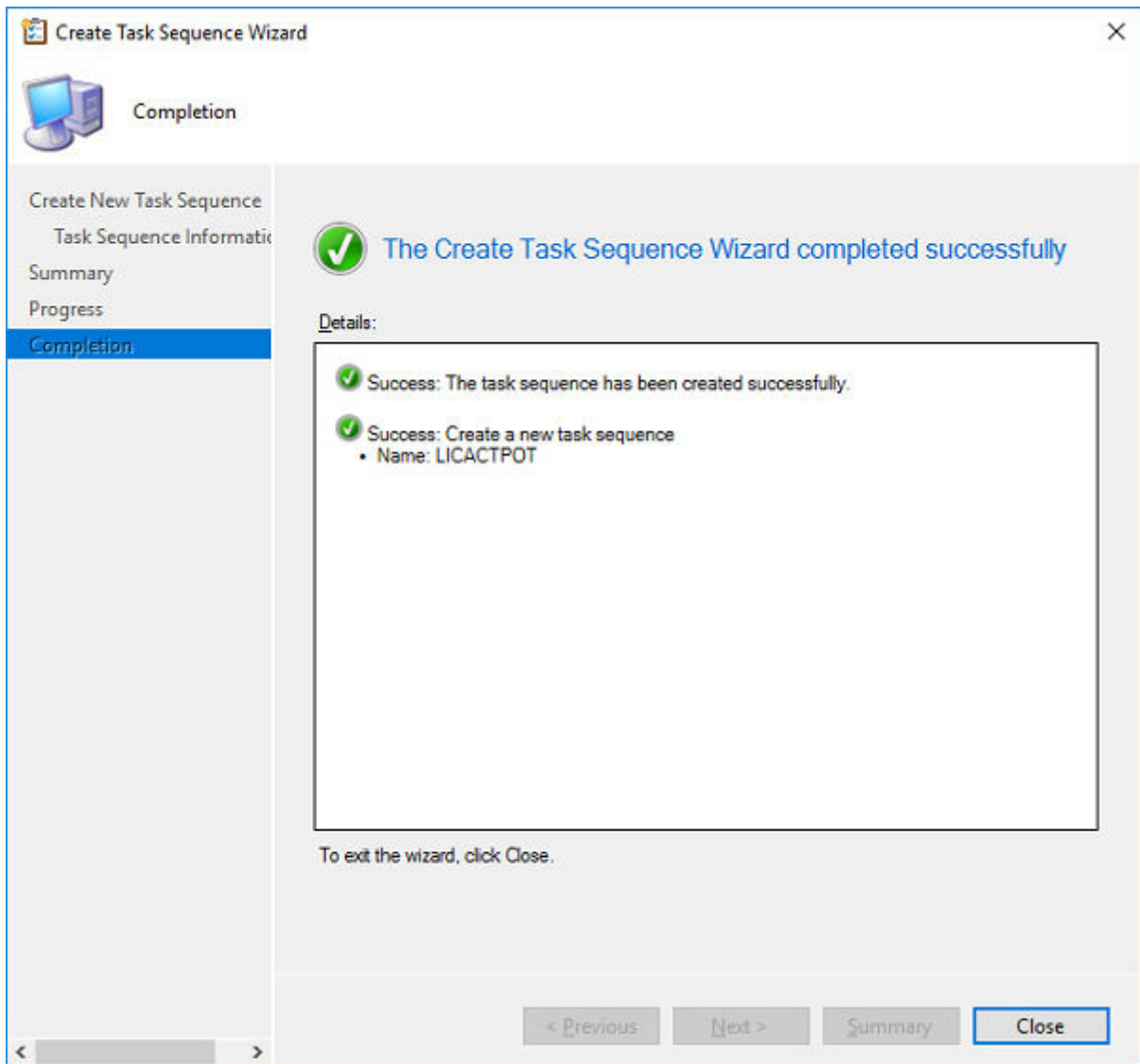


Figure 4. Completion

- 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**.

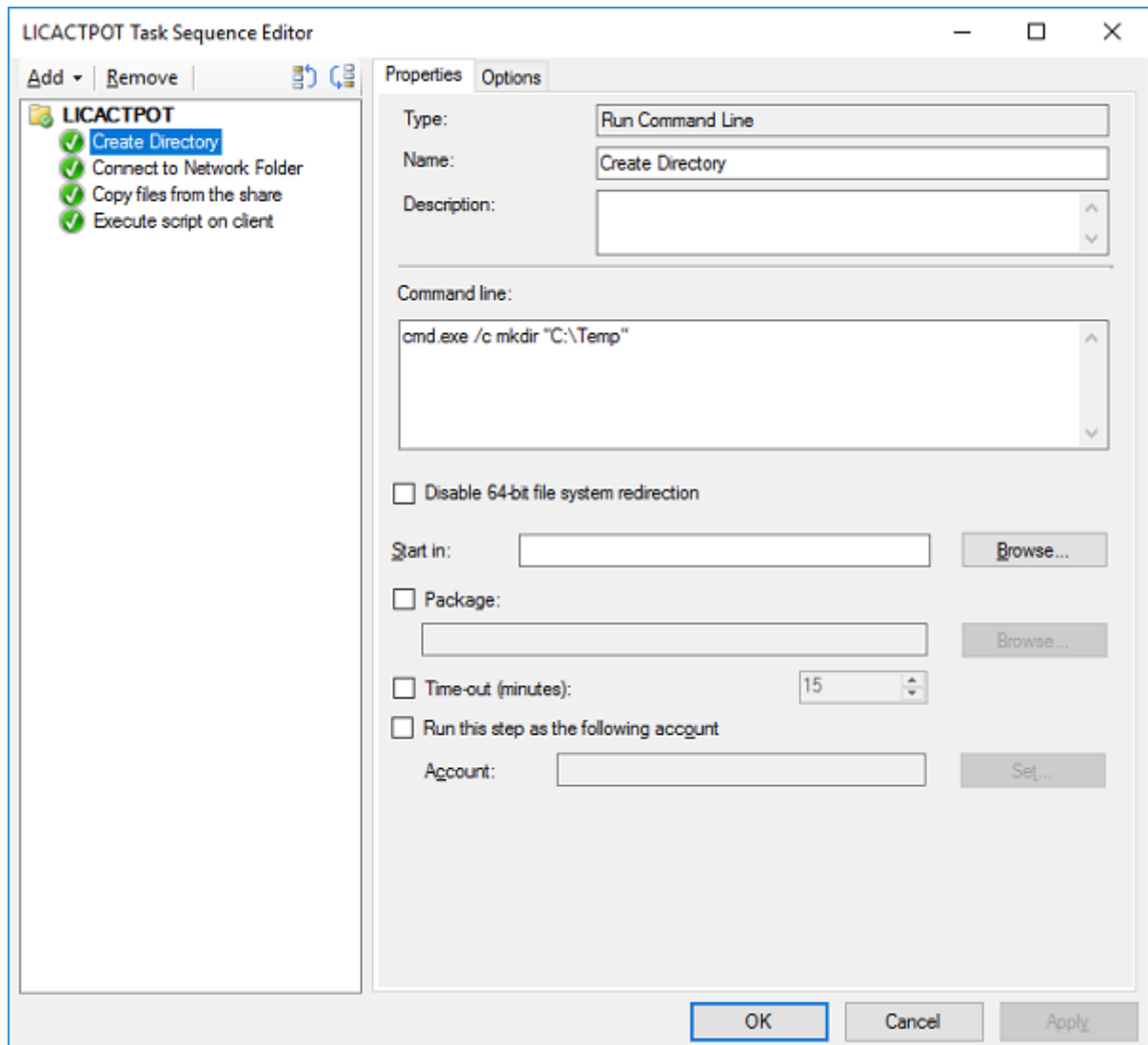


Figure 5. Create Directory

- 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**.

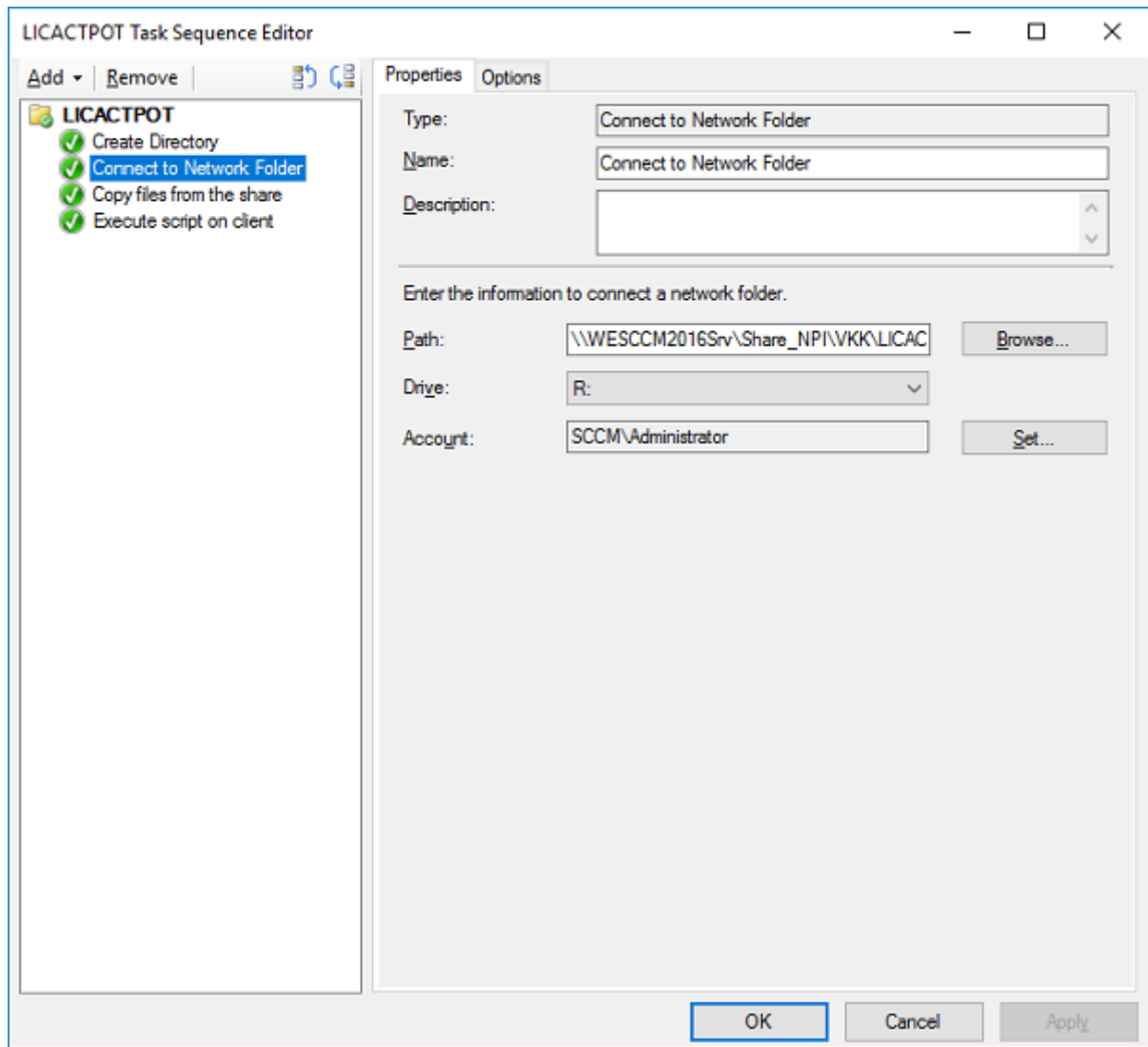


Figure 6. Connect to Network Folder

- 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`

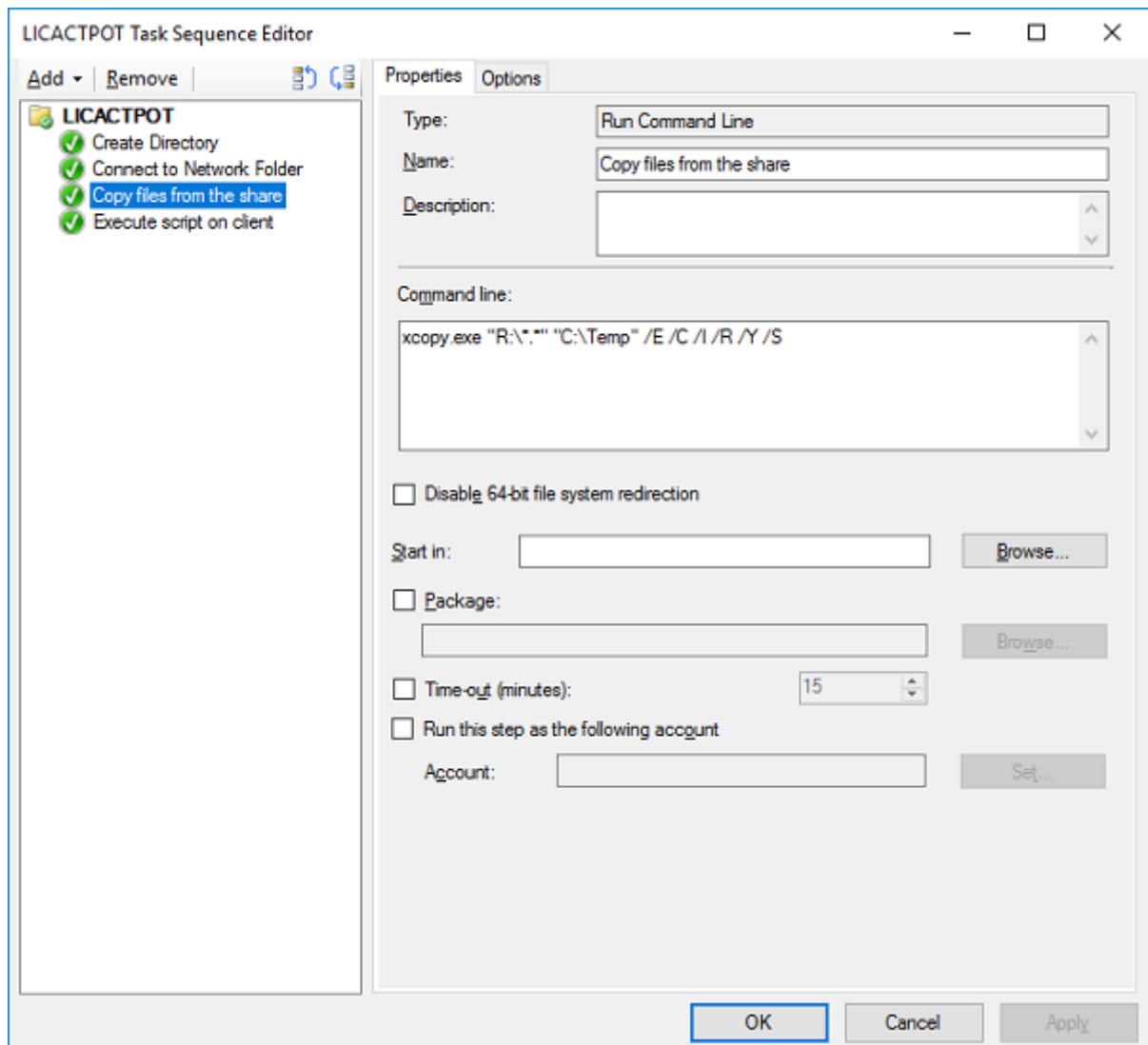


Figure 7. Copy files from the share

- 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
```

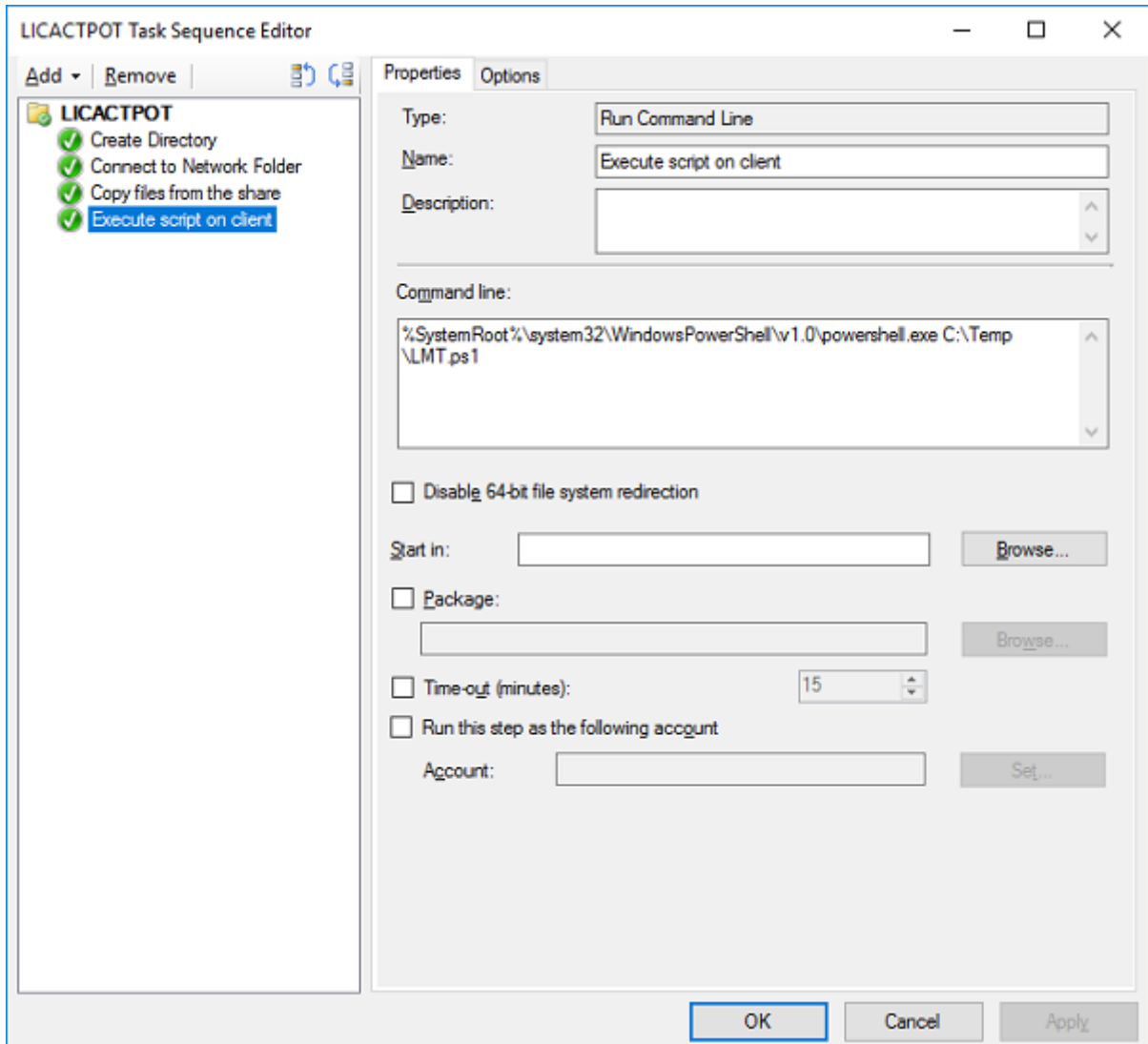


Figure 8. Execute script on client

14 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**.

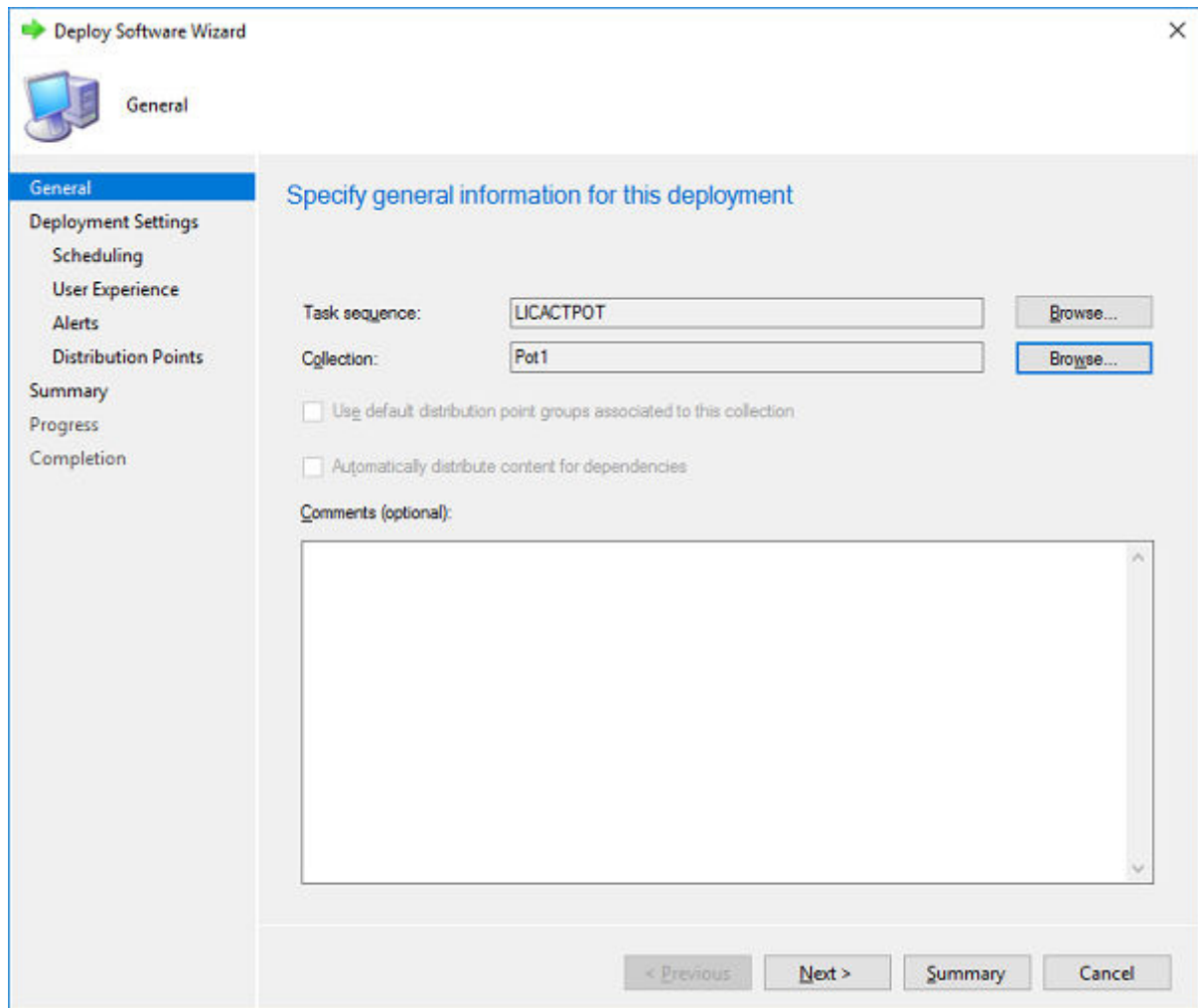


Figure 9. General

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

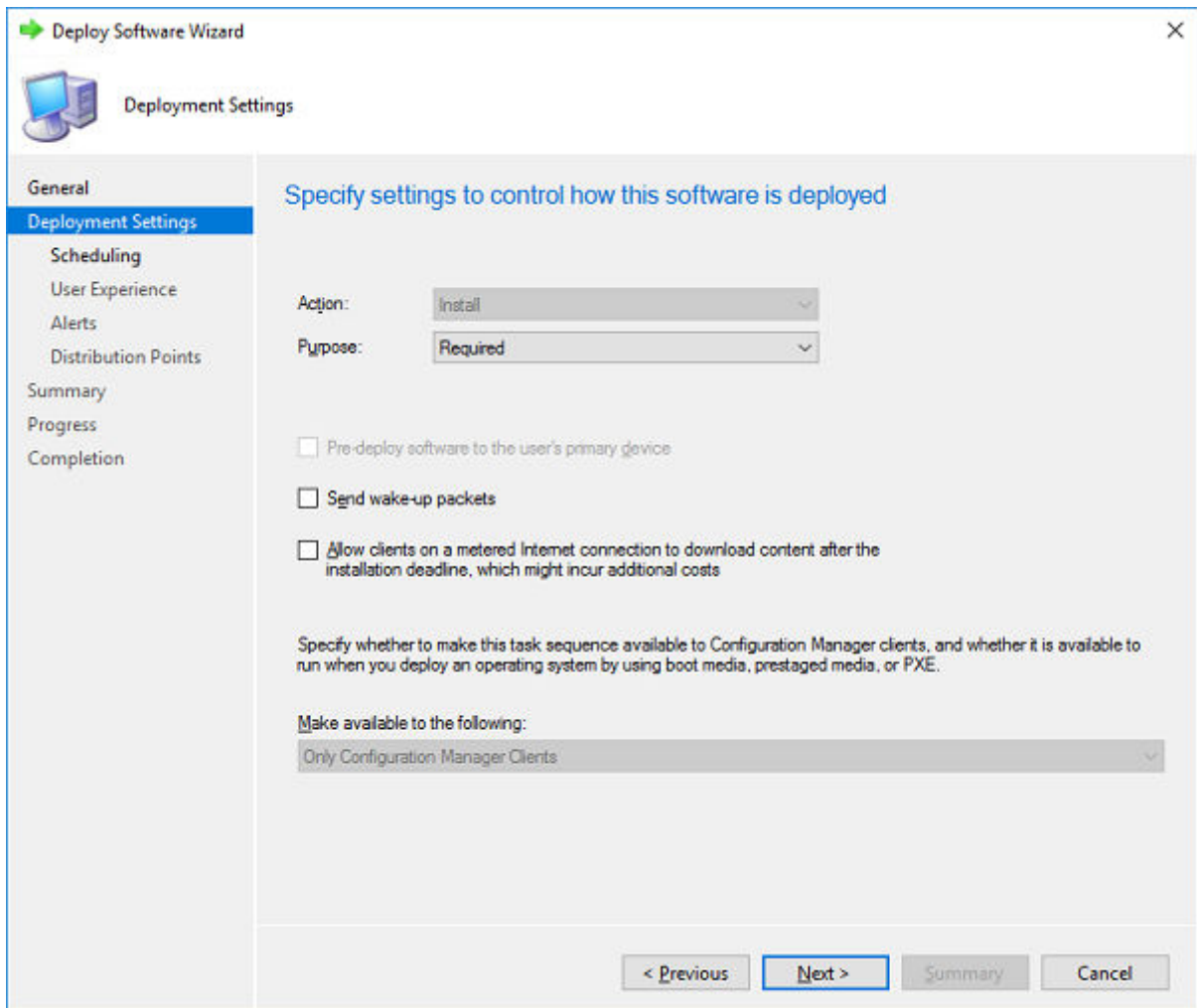


Figure 10. Deployment Settings



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

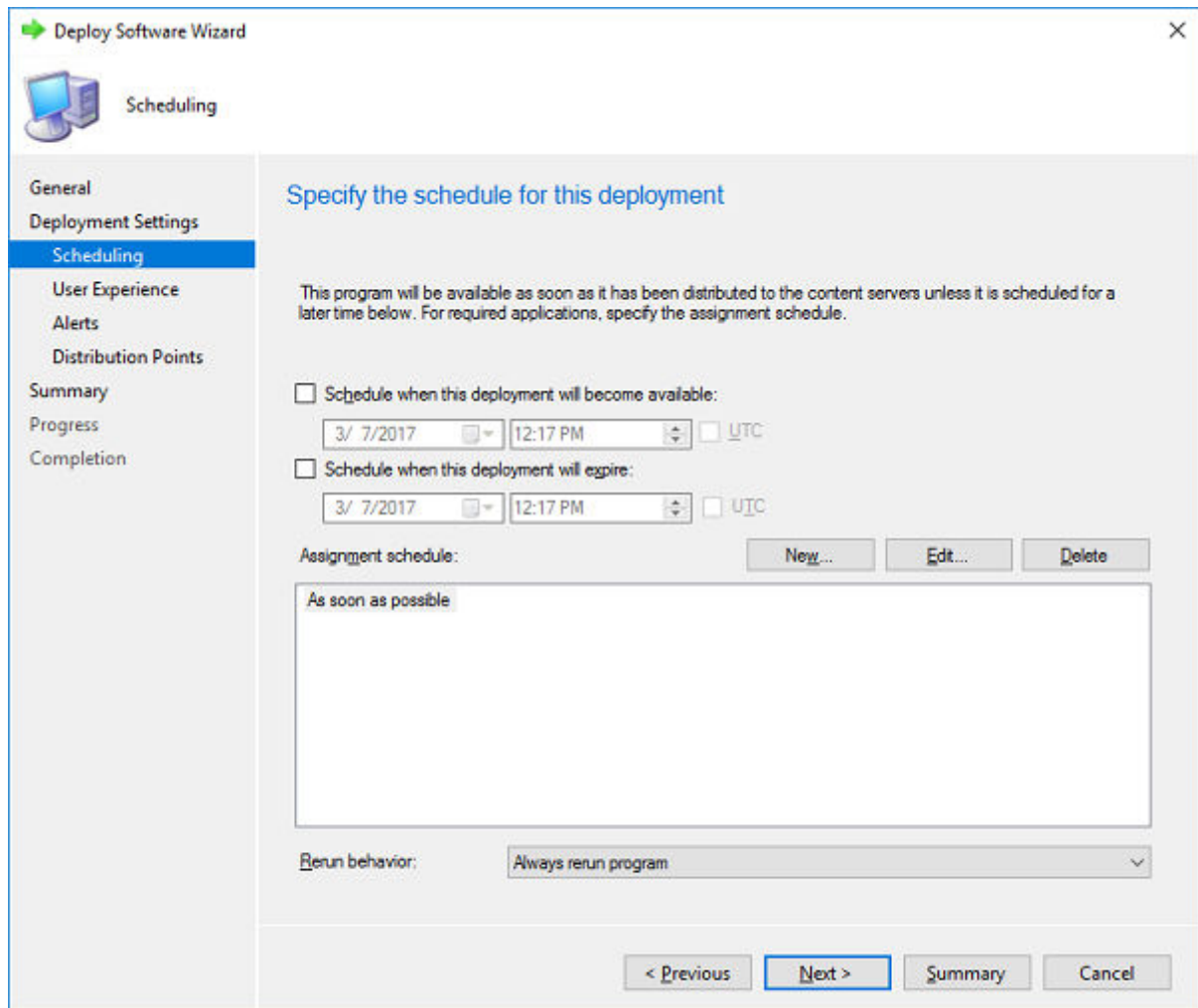


Figure 11. Scheduling



- 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**.

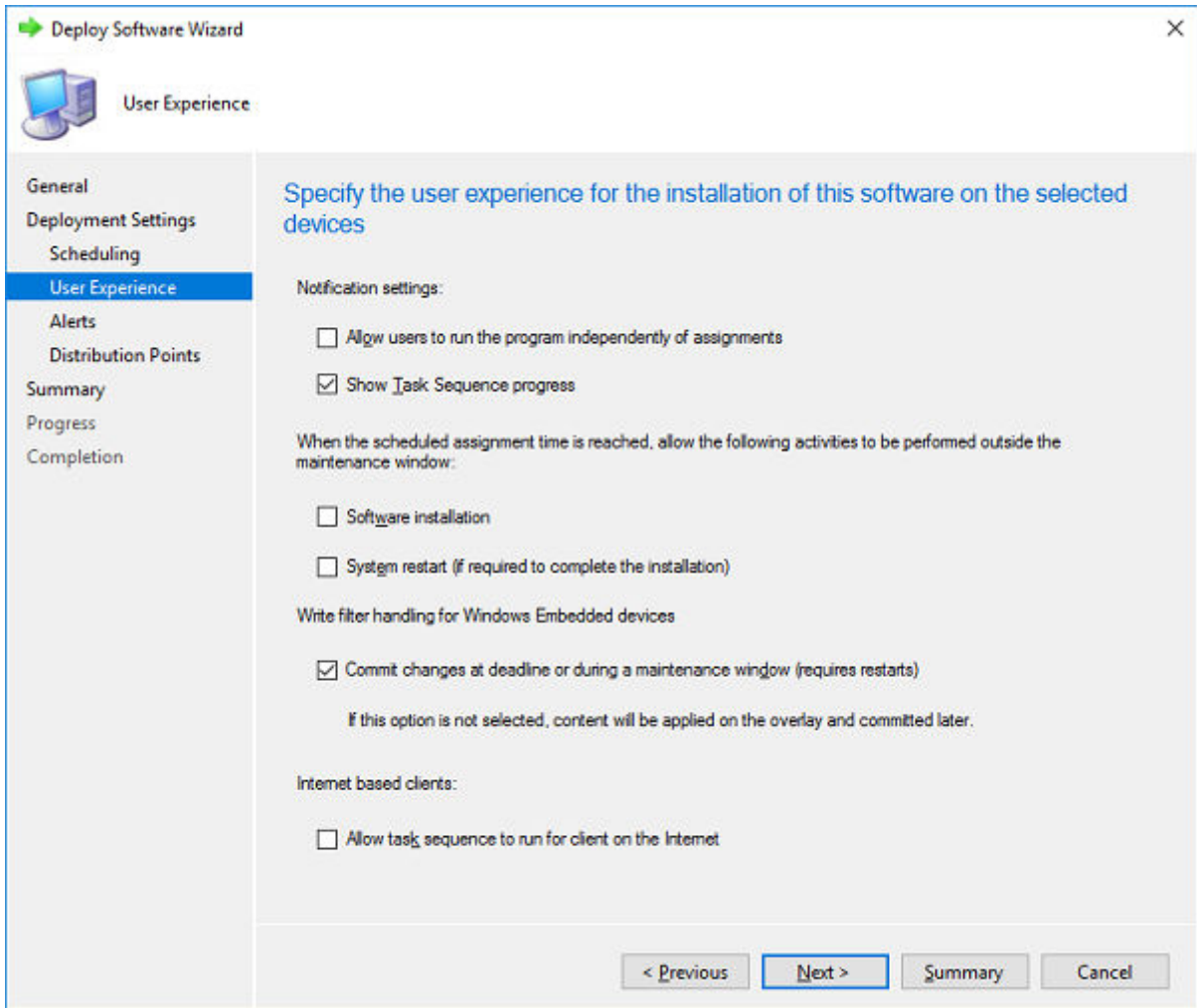


Figure 12. User Experience

- 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.