

# Dell Wyse Windows 10 IoT Enterprise for Latitude 3480 mobile thin client

BIOS upgrade guide



## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

**Copyright © 2017 Dell Inc. or its subsidiaries. All rights reserved.** Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

# Contents

<b>1 Introduction.....</b>	<b>4</b>
<b>2 Upgrading the BIOS using WDM server.....</b>	<b>5</b>
<b>3 Upgrading the BIOS using SCCM server.....</b>	<b>9</b>
<b>4 Upgrading the BIOS using USB drive from the operating system.....</b>	<b>17</b>
<b>5 Upgrading the BIOS using USB drive through the BIOS boot menu.....</b>	<b>18</b>



# Introduction

This document provides the steps to update the BIOS on a Dell Wyse Windows 10 IoT Enterprise for Latitude 3480 mobile thin client. You can update the BIOS using the:

- Wyse Device Manager server
- System Center Configuration Manager (SCCM) server
- USB drive

**NOTE:**

The build number is represented as 1.x.x. The value of x is not constant and changes with every update to the build. The build number displayed in the images is for reference and the build number on your system may vary.

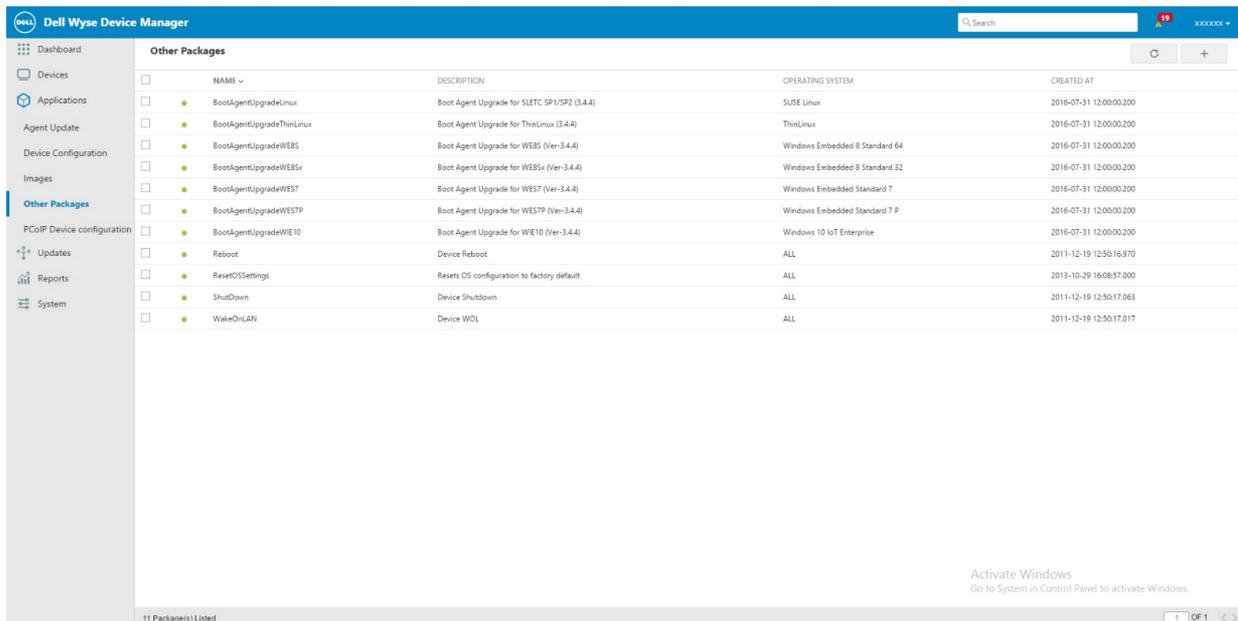
# Upgrading the BIOS using WDM server

**NOTE:** Ensure that you are using WDM server setup v5.7.2 or later

The following are the steps to update the BIOS:

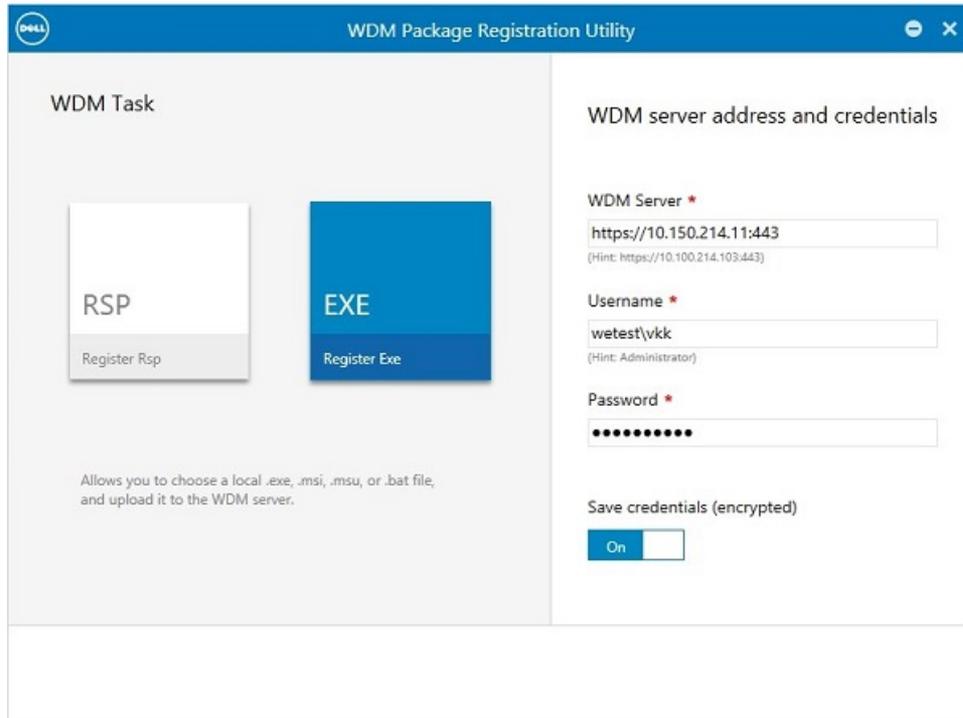
- 1 Download the WDM BIOS package from the [support.dell.com](https://support.dell.com).
- 2 Extract and store the file in your local repository or the WDM server.
- 3 Open the WDM server.
- 4 Log in using your WDM server credentials.
- 5 Click **Applications > Other Packages** and then click the plus icon on the screen, and then click download.
- 6 Open the downloaded package.

The **WDM Package Registration Utility** window opens.



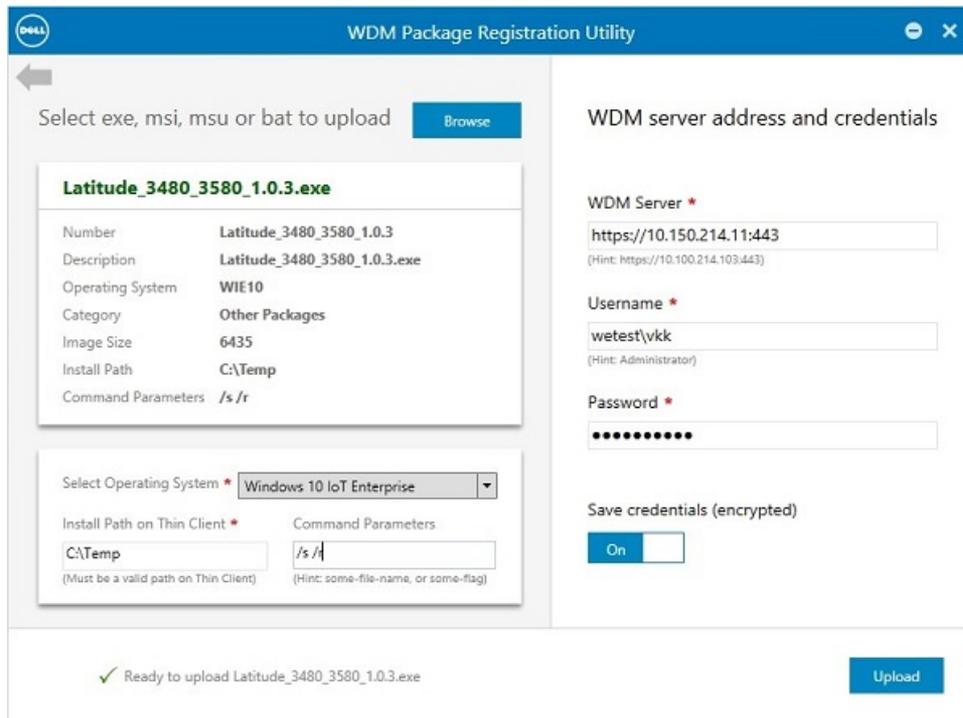
**Figure 1. Dell Wyse Device Manager**

- 7 Click **EXE** and browse to the folder where the BIOS package is located.



**Figure 2. WDM Package Registration Utility**

- 8 Select the target client operating system and enter the command line parameters /s /r.
  - 9 Click **Upload**.
- The BIOS package is registered under **Other Packages**.



**Figure 3. EXE file selected**

- 10 After the upload process is complete, close the window.



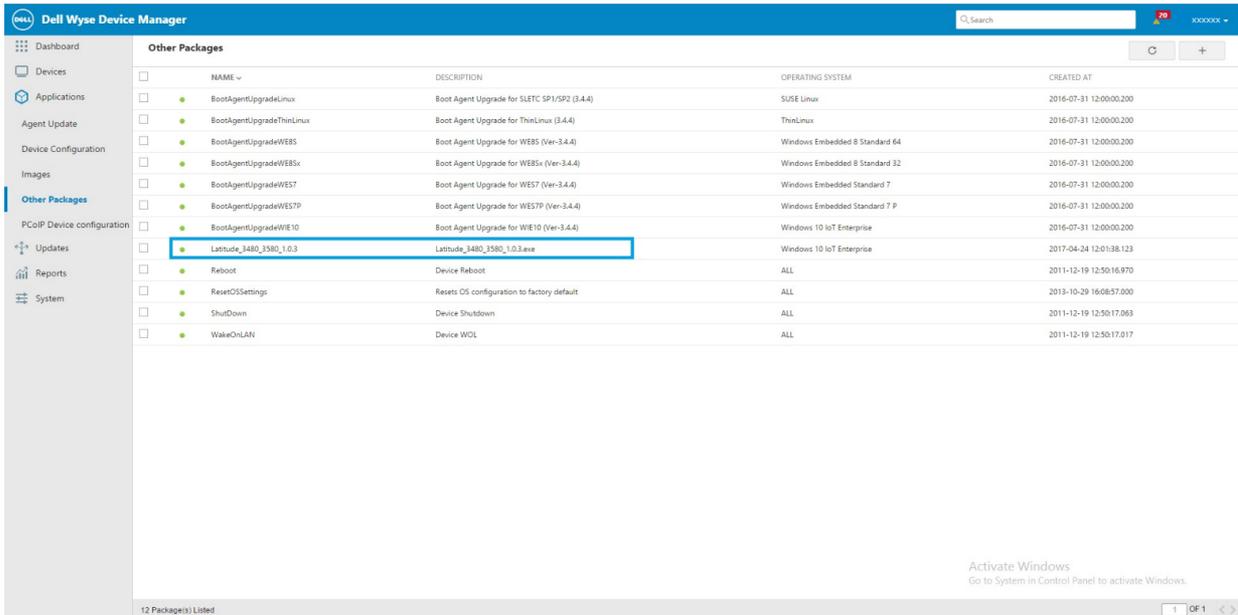


Figure 4. Package details

11 Click **Devices** and select the devices that require an update and click **Update**.

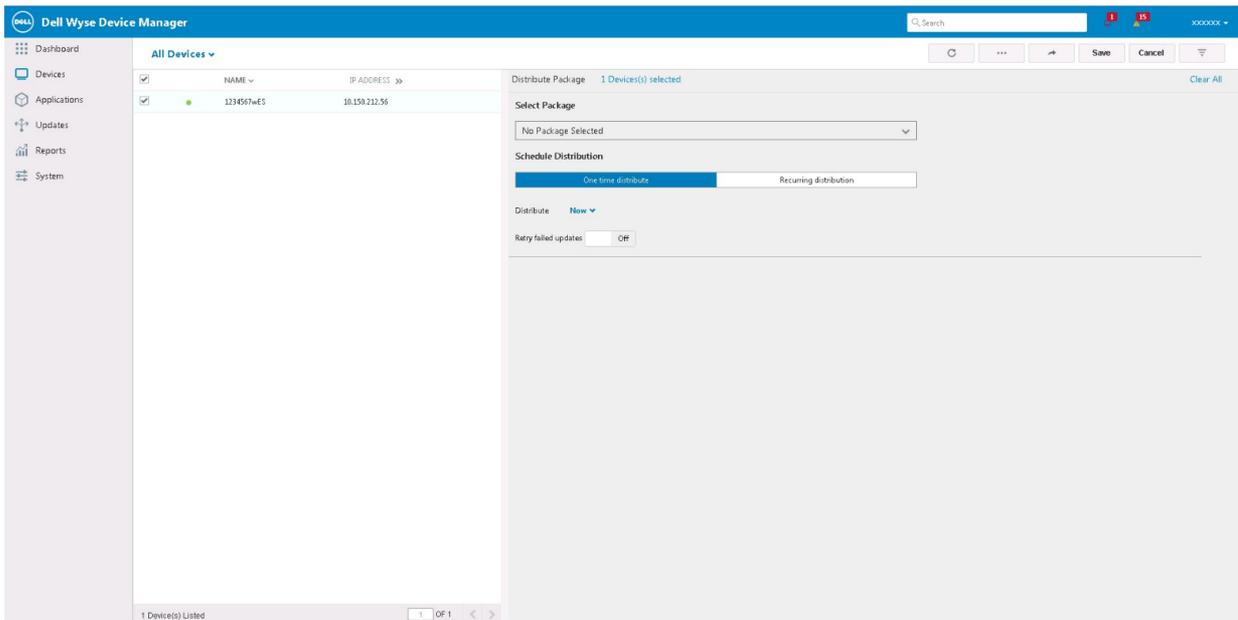
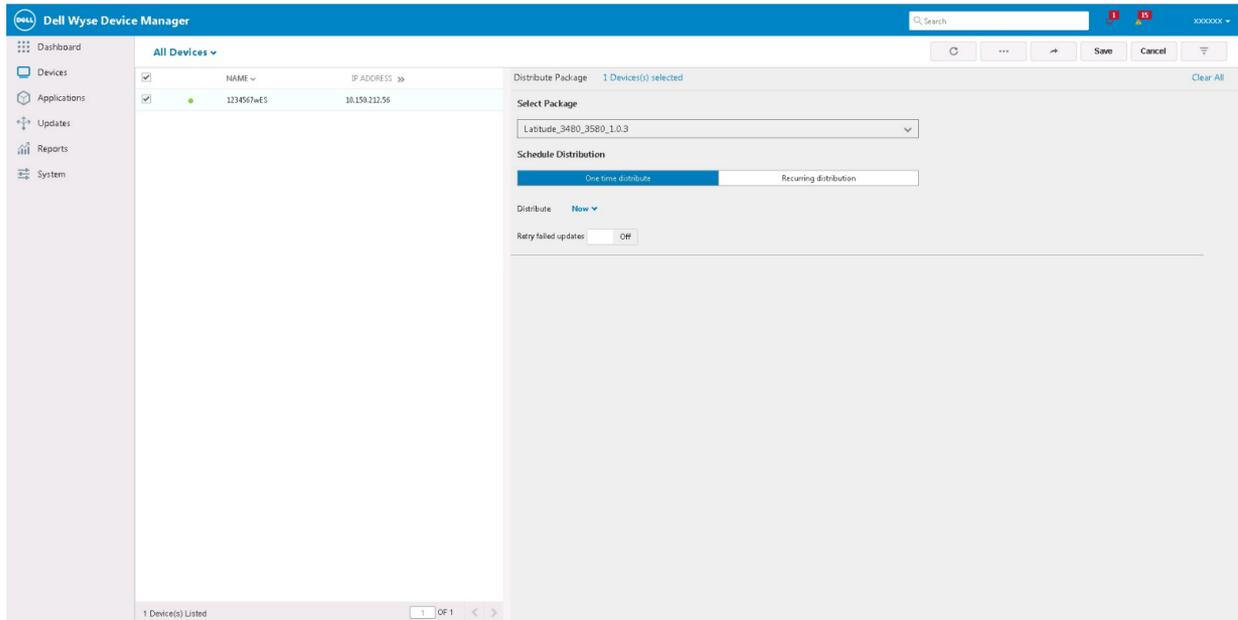


Figure 5. Devices

12 Under select package, click **Other Packages** and then select the registered BIOS package.

13 Click **Save**.





**Figure 6. BIOS Flash Package selected in wizard**

The client restarts and upgrades the BIOS.



# Upgrading the BIOS using SCCM server

**NOTE:** Ensure that you use SCCM server 2016 R2 or later

To create a package, do the following:

- 1 Download the WDM BIOS package from the [support.dell.com](http://support.dell.com)
- 2 Create a folder in **Configuration Manager Content Source Share** for packages.
- 3 Copy the installation package to the product folder.
- 4 Open the **System Centre Configuration Manager** Console and go to **Software Library > Application Management > Packages**.
- 5 Click **Packages** and then select **Create Package**.

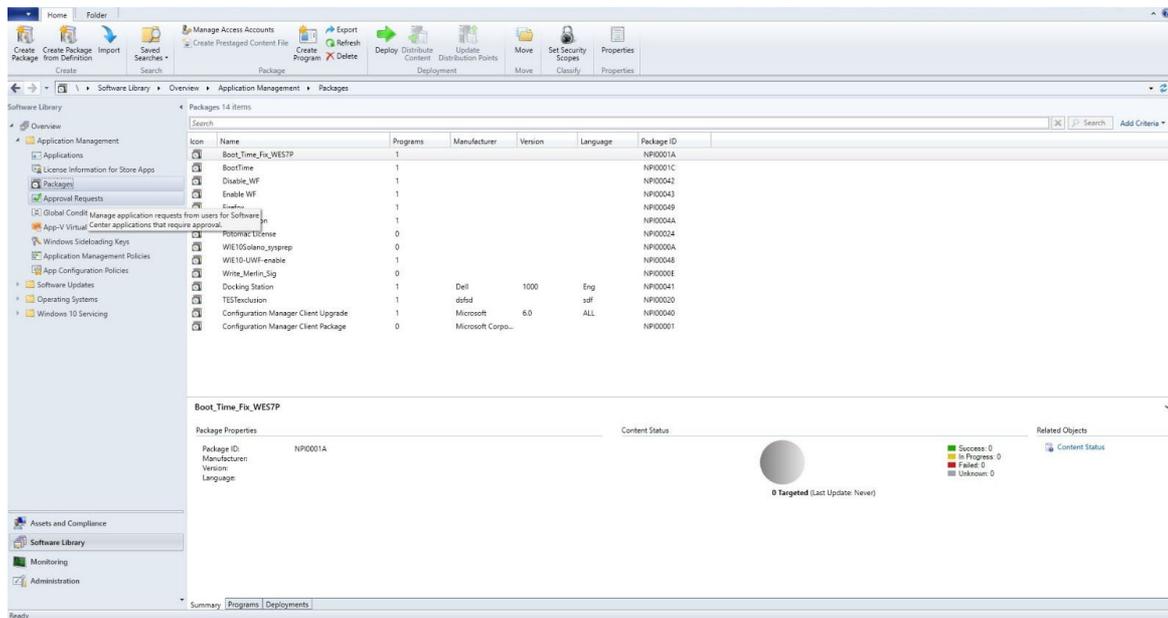
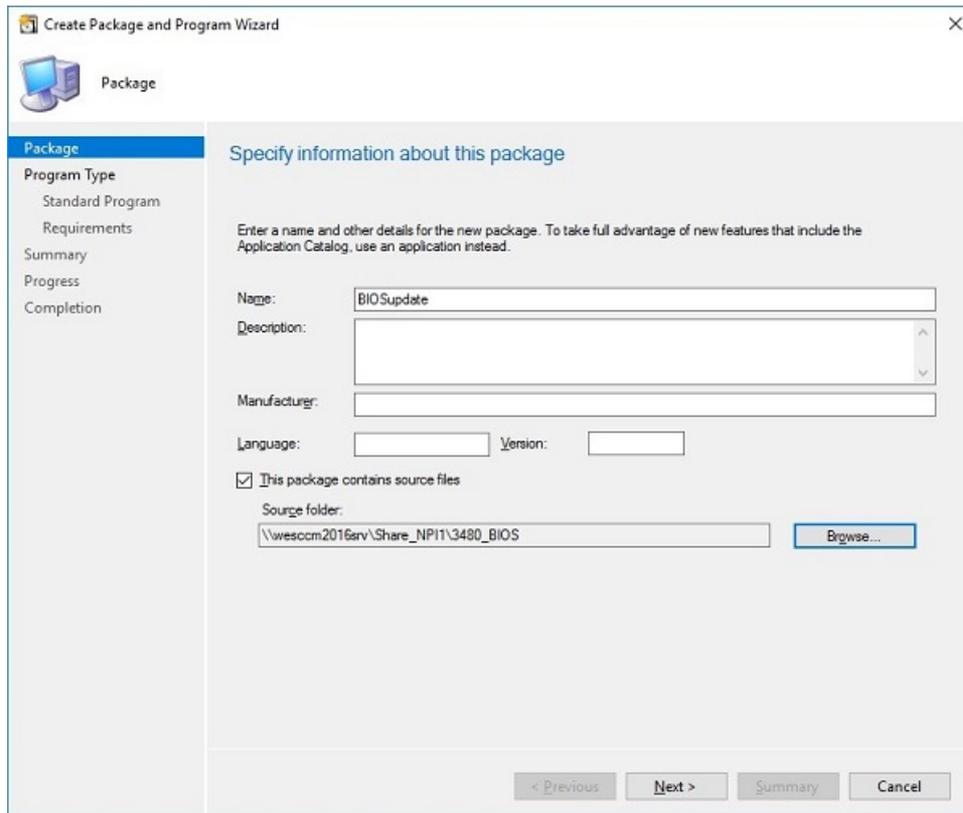
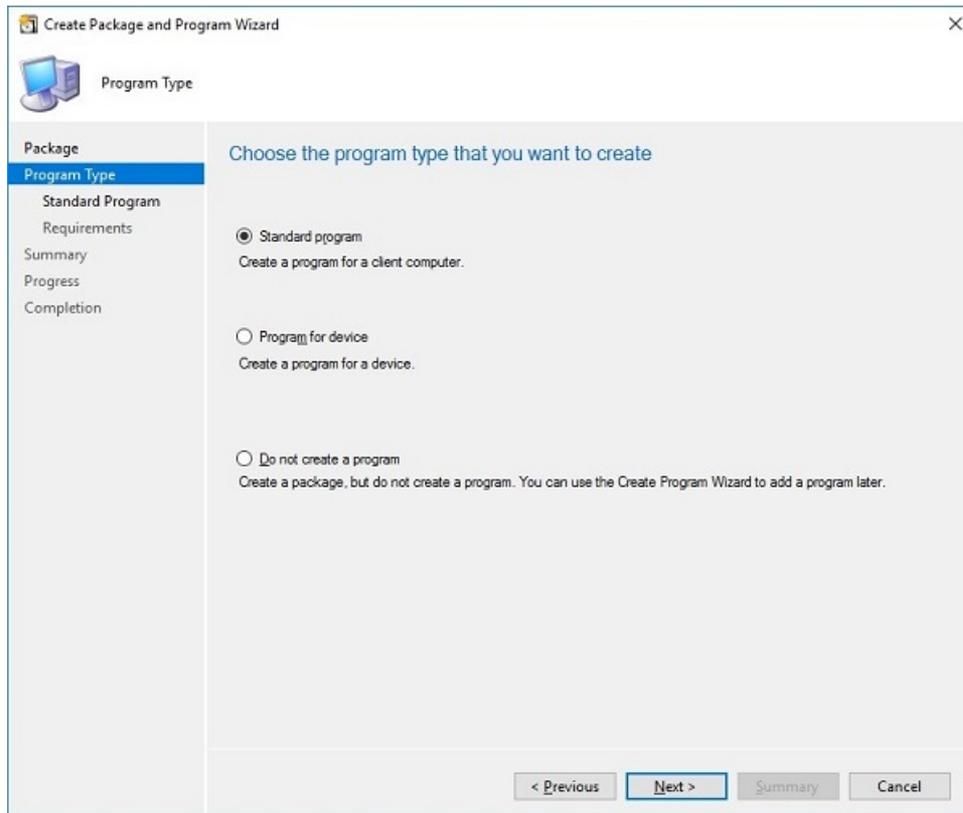


Figure 7. WDM interface

Create Package and Program Wizard page is displayed.

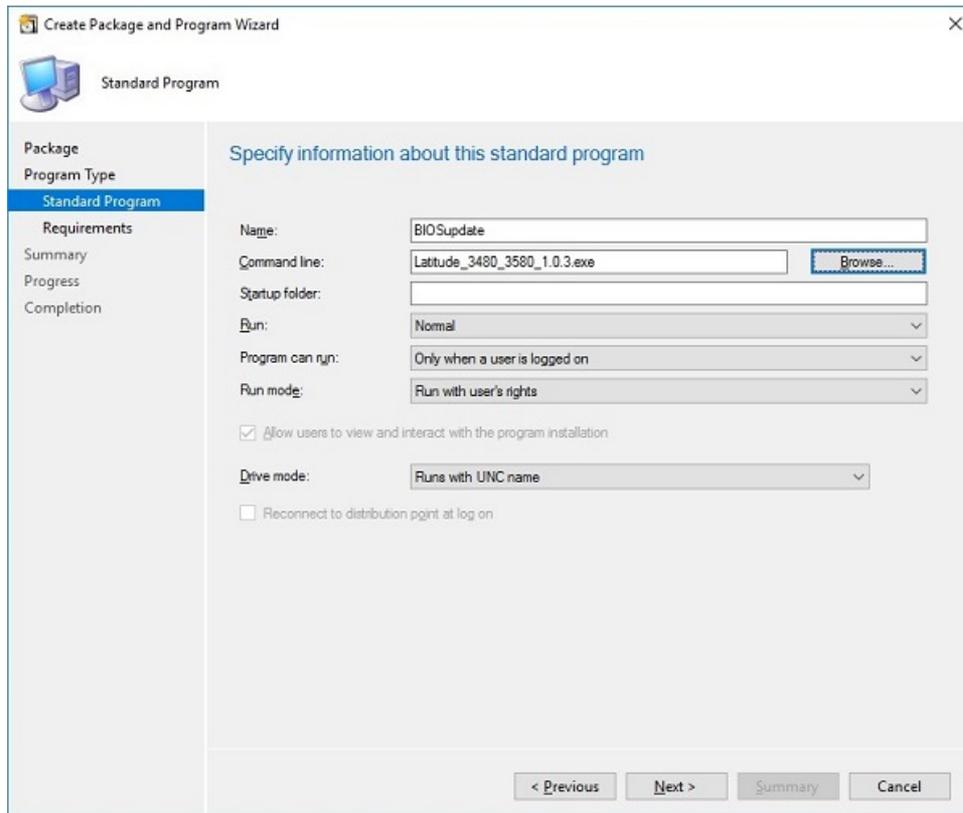


- 6 Click **Next**.  
The **Program Type** page is displayed.



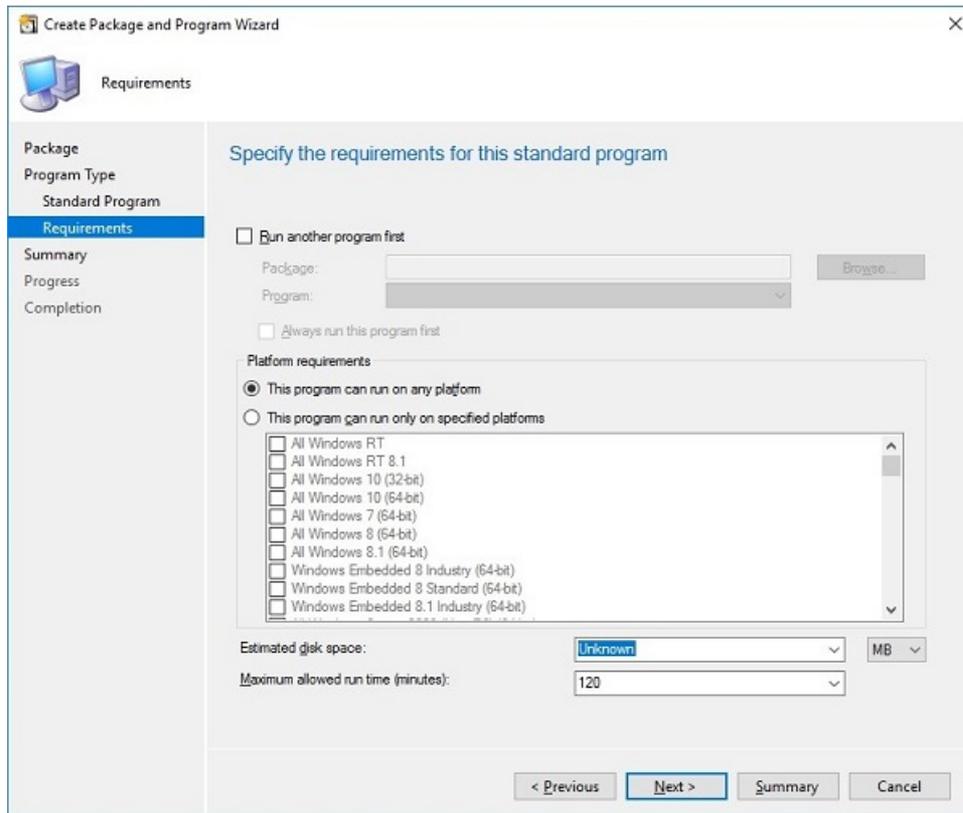
**Figure 8. Program Type**

- 7 Select **Standard Program** and click **Next** to continue.  
The **Standard Program** page is displayed.



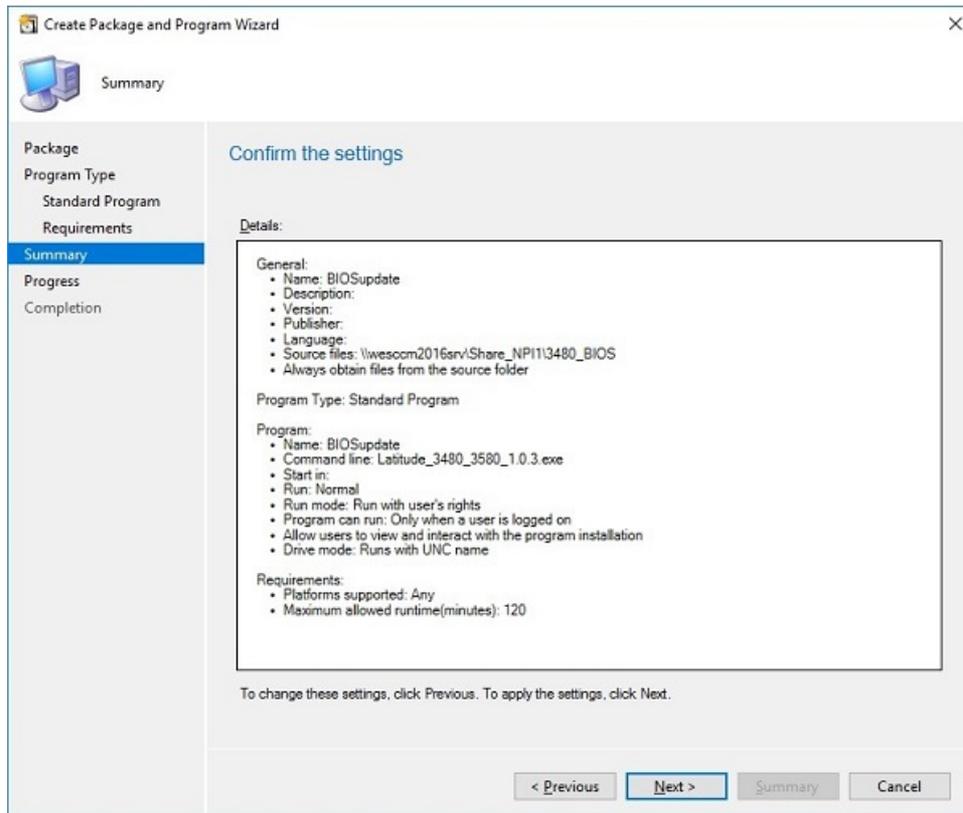
**Figure 9. Standard Program**

- 8 In the **Standard Program** package, enter the package name, and in the **Command Line** field browse to the folder where the BIOS executable file is located.
- 9 Click **Next**.  
The **Requirements** page is displayed.



**Figure 10. Requirements**

- 10 Click **Next** to continue.  
The **Summary** page is displayed.



**Figure 11. Summary**

- 11 After you create the package, verify whether all the information is correct.
- 12 Click **Next** to continue.  
The **Completion** page is displayed.

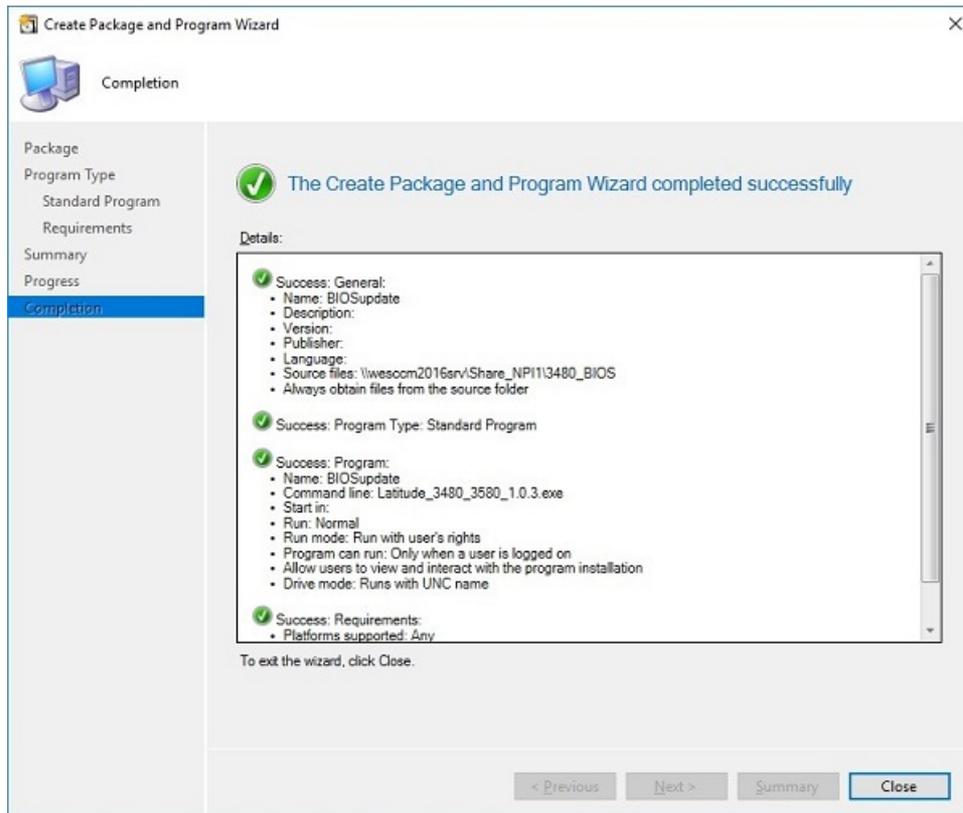


Figure 12. Completion

- 13 Click **Close**.
- 14 Right-click the package created, and select **Distribute Content**.

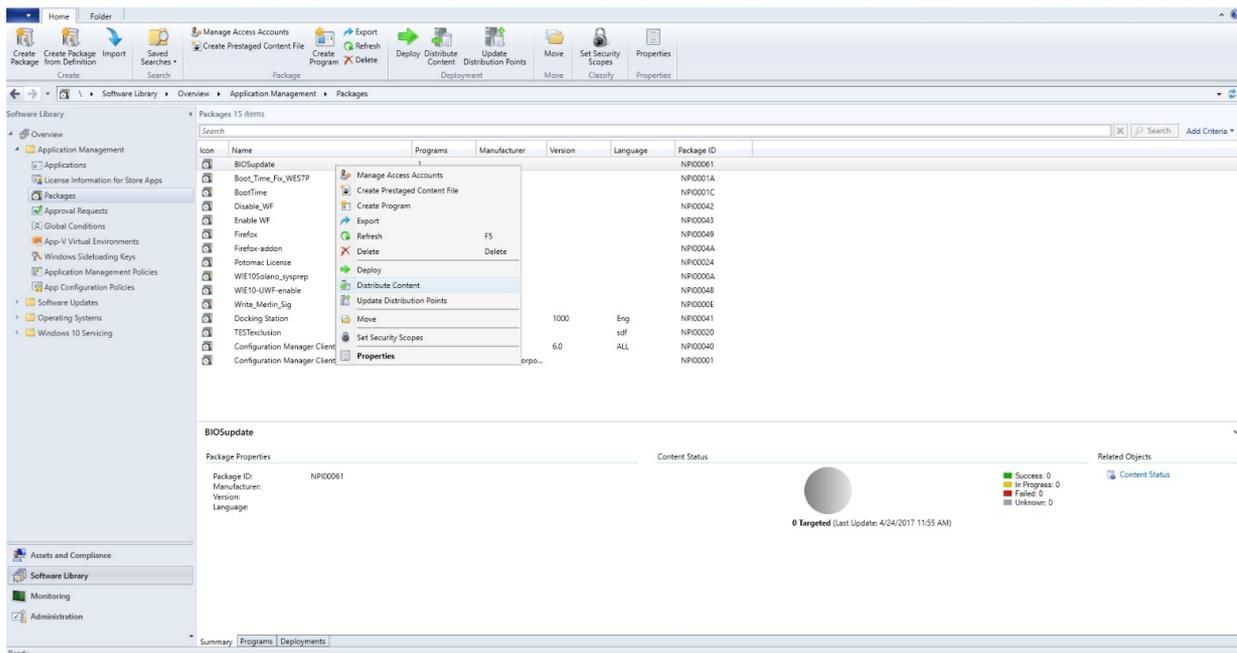


Figure 13. Distribute Content

- 15 After the package content is distributed, check if the status of the package turns green.
- 16 Join the client to the domain.



- 17 Discover the client into SCCM server.
- 18 Check if the device is discovered, and go to **Assets and compliance > devices** and check the MAC id of the client. Add the device to the device collection.
- 19 Deploy the BIOS package to the created device collection.  
The client restarts and upgrades the BIOS.



# Upgrading the BIOS using USB drive from the operating system

To update the BIOS using USB drive from the operating system, do the following:

- 1 Download the BIOS binary file to the thin client. The executable file can also be copied and run from a USB key.
- 2 Run the file.  
The user confirmation is required to upgrade the BIOS.
- 3 Click **Ok**.  
The client restarts and upgrades the BIOS.



# Upgrading the BIOS using USB drive through the BIOS boot menu

To upgrade the BIOS using USB drive through the BIOS boot menu, do the following:

- 1 Copy the downloaded executable file to a USB drive.
- 2 Plug-in the USB drive into any USB port.
- 3 Turn on the system.
- 4 On the Dell logo screen, press <F12> key to access the boot menu.
- 5 In **Other Options** select **BIOS Flash Update**.
- 6 Browse to the folder to locate the downloaded executable file and click **Ok**.
- 7 Verify the existing system BIOS information and the BIOS update information.
- 8 Click **Begin Flash Update**.
- 9 After you review the warning message, click **Yes** to continue.  
The client restarts and upgrades the BIOS.