

DEPLOY DELL CLIENT TOOLS WITH MICROSOFT ENDPOINT MANAGER

Step by Step install Dell Tool

Summary

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Dell Technologies – Modern Compute Solutions Group

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|---------|--------------------------------|
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Contents

| | |
|---|----|
| Release notes | 3 |
| Summary | 4 |
| Deployment Best Practices..... | 4 |
| Dell Trusted Device Agent | 5 |
| Introduction..... | 5 |
| Prepare Dell Trusted Device Agent for MEM..... | 5 |
| Import and Deployment settings Dell Trusted Device Agent for MEM..... | 7 |
| Dell Power Manager | 17 |
| Introduction..... | 17 |
| Prepare Dell Power Manager for MEM..... | 17 |
| Import and Deployment settings Dell Power Manager for MEM..... | 22 |
| Dell Command Update | 32 |
| Introduction..... | 32 |
| Prepare Dell Command Update for MEM..... | 32 |
| Import and Deployment settings Dell Command Update for MEM | 35 |
| Dell Command Monitor..... | 45 |
| Introduction..... | 45 |
| Prepare Dell Command Monitor for MEM | 45 |
| Import and Deployment settings Dell Command Monitor for MEM | 47 |
| Dell Command Configure..... | 57 |
| Introduction..... | 57 |
| Prepare Dell Command Configure for MEM | 57 |
| Import and Deployment settings Dell Command Configure for MEM | 59 |
| Dell Display Manager..... | 69 |
| Introduction..... | 69 |
| Prepare Dell Display Manager for MEM | 69 |
| Import and Deployment settings Dell Display Manager for MEM | 73 |
| Dell SupportAssist for Business PCs | 83 |

| | |
|---|-----|
| Introduction..... | 83 |
| Prepare Dell SupportAssist for Business PCs for MEM..... | 84 |
| Import and Deployment settings Dell SupportAssist for Business PCs for MEM..... | 92 |
| Dell Optimizer | 101 |
| Introduction..... | 101 |
| Prepare Dell Optimizer for MEM..... | 101 |
| Import and Deployment settings Dell Optimizer for MEM..... | 103 |
| References | 113 |

Release notes

| Version | Changes |
|---------|---|
| 1.0.0 | Initial document |
| 1.0.1 | Change process of MSI extract of Dell Command Update and Dell Power Manager |
| | |

Summary

This document provides a step-by-step guide to deployment of the Dell Client Tools with Microsoft Endpoint Manager (MEM) with Intune only option. Installation instructions are also provided for the deployment of Dell tools with solutions like Microsoft SCCM. This document is designed for modern management systems without co-management.

Recommendation:

This guide will assume that you are using a clean Dell Ready Image. In case you are using the standard preinstallation of Windows 10, please uninstall all existing Dell tools. This will avoid any conflicts between the standard versions that are preinstalled and their corresponding Business version (e.g., Dell SupportAssist vs. Dell SupportAssist for Business PCs) you want to install on your device by following this documentation. Alternatively, you can use a clean Windows 10 image as well but remember that the idea of modern provisioning is not to spend time on creating an OS Image.



Deployment Best Practices

In this guide we follow the best practices for modern management with Microsoft Endpoint Manager / Microsoft Intune. We also take into consideration that most of our customers will leverage modern deployment options like Windows Autopilot for pre-provisioned deployment (also known as Autopilot white glove). That's why we choose to document all examples based on Microsoft Intune Win32 app (.intunewin format) and not by using Line-of-business app (.msi, .appx, .appxbundle, .msix, and .msixbundle formats). Win32 app provides the best experience with its management capabilities and is also preferred formats for all pre-provisioning services.

Dell Trusted Device Agent

Introduction

The Dell Trusted Device agent is part of the Dell SafeBIOS product portfolio. The Trusted Device agent supports these security and identity functions:

- BIOS Verification
- BIOS Events & Indicators of Attack
- Image Capture
- Intel ME Verification
- Security Risk Protection Score
- Dell Event Repository and SIEM integration

Reference: Dell Trusted Device Installation and Administrator Guide

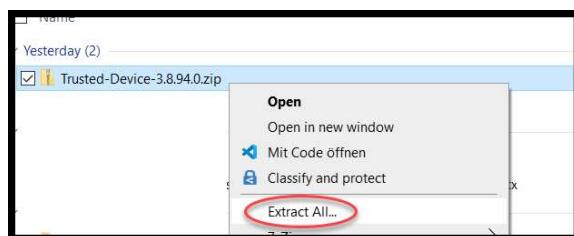
<https://www.dell.com/support/home/en-us/product-support/product/trusted-device/docs>

Prepare Dell Trusted Device Agent for MEM

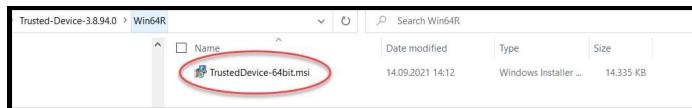
Download of the newest Version of Dell Trusted Device Agent from the Dell website.

<https://www.dell.com/support/home/en-us/product-support/product/trusted-device/drivers>

The file must be unzipped:



The folder contains a file named TrustedDevice-64bit.msi. This file is required for deploying the software package through MEM.

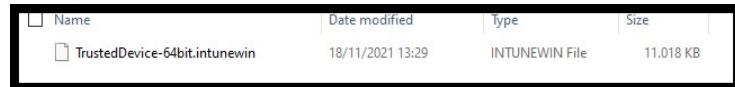


Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Trusted Device\3.8.94.0
Please specify the setup file: TrustedDevice-64bit.msi
Please specify the output folder: C:\Dell\IntuneWin\Output\TrustedDevice\3.8.94.0
Do you want to specify catalog folder (Y/N)?n-
```

MEM is now prepared and ready for installation by MEM.



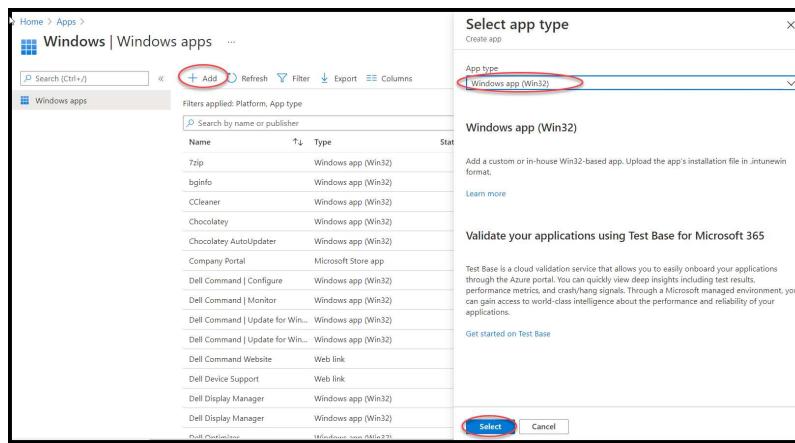
Import and Deployment settings Dell Trusted Device Agent for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

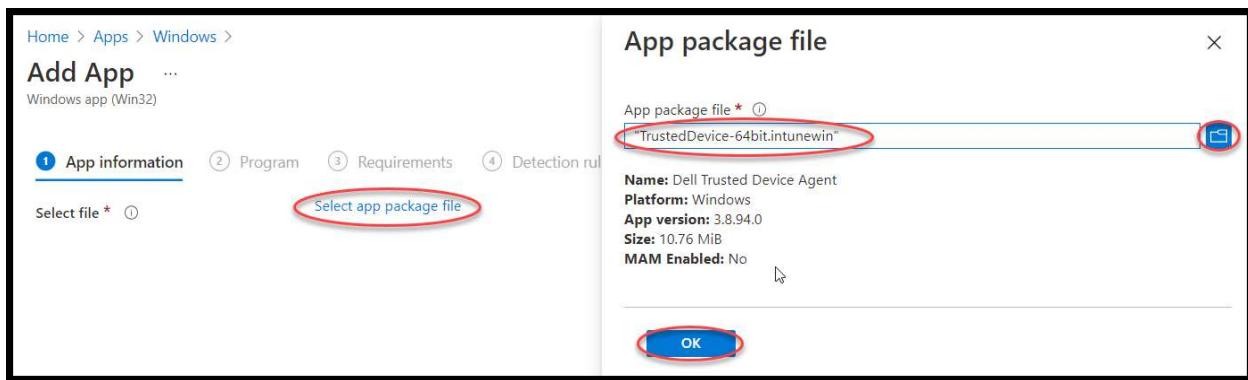


Click 'Select app package file'

Click 'Folder'

Select 'TrustedDevice-64bit.intunewin'

Click 'OK'



| Field | Value |
|---|-------------------------------------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | No (default security app by device) |

Click 'Next'

Home > Apps > Windows >

Add App ...

Windows app (Win32)

① App information ② Program ③ Requirements ④ Detection rules ⑤ Dependencies ⑥ Super

Select file * ⓘ TrustedDevice-64bit.intunewin

Name * ⓘ Dell Trusted Device Agent

Description * ⓘ Dell Trusted Device Agent

Edit Description

Publisher * ⓘ Dell Inc.

App Version ⓘ 3.8.94.0

Category ⓘ 0 selected

Show this as a featured app in the Company Portal Yes **No**

Previous **Next**

Section 'Program'

Home > Apps > Windows >
Add App ...
Windows app (Win32)
App information Program Requirements Detection rules Dependencies Supersedence (preview) Assignments Review + create

| Field | Value |
|-------------------------|--------------------|
| Device restart behavior | No specific action |

Click 'Next'

Home > Apps > Windows >
Add App ...
Windows app (Win32)
App information Program Requirements Detection rules Dependencies Supersedence (preview)
Specify the commands to install and uninstall this app:
Install command * ⓘ msieexec /i "TrustedDevice-64bit.msi" /q
Uninstall command * ⓘ msieexec /x "{66AE1ACB-9ABF-4FB9-8248-C3064DEE6093}" /q
Install behavior ⓘ System User
Device restart behavior ⓘ No specific action
Specify return codes to indicate post-installation behavior:
Return code Code type
0 Success
1707 Success
3010 Soft reboot
1641 Hard reboot
Previous Next

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab highlighted. Below the tabs, there are several input fields for specifying system requirements.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. The 'Operating system architecture' field is set to '64-bit' and the 'Minimum operating system' field is set to 'Windows 10 1909'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The tabs at the top are: App information, Program, Requirements, Detection rules (which is highlighted with a blue circle), Dependencies, Superseding (preview), Assignments, and Review + create.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there is a table with one row showing 'No rules are specified.' and a '+ Add' button. The '+ Add' button is circled in red.

| Field | Value |
|---------------------------|---|
| Rule type | MSI |
| MSI product code | Default |
| MSI product version check | Yes |
| Operator | Greater than or equal to |
| Value | 3.8.94.0 Note: Use version of your Trusted Device |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ MSI

MSI product code * ⓘ {66AE1ACB-9ABF-4FB9-8248-C3064DEE6093} ✓

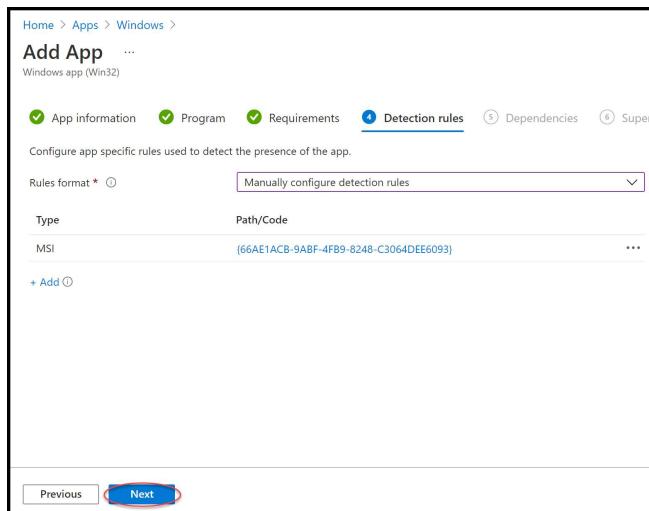
MSI product version check ⓘ Yes No

Operator * ⓘ Greater than or equal to

Value * ⓘ 3.8.94.0 ✓

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have an existing version of this software, you can select this previous version here to uninstall before this soft package is installed. All install instructions are tested for Install/Uninstall and Update, so this point is not needed.

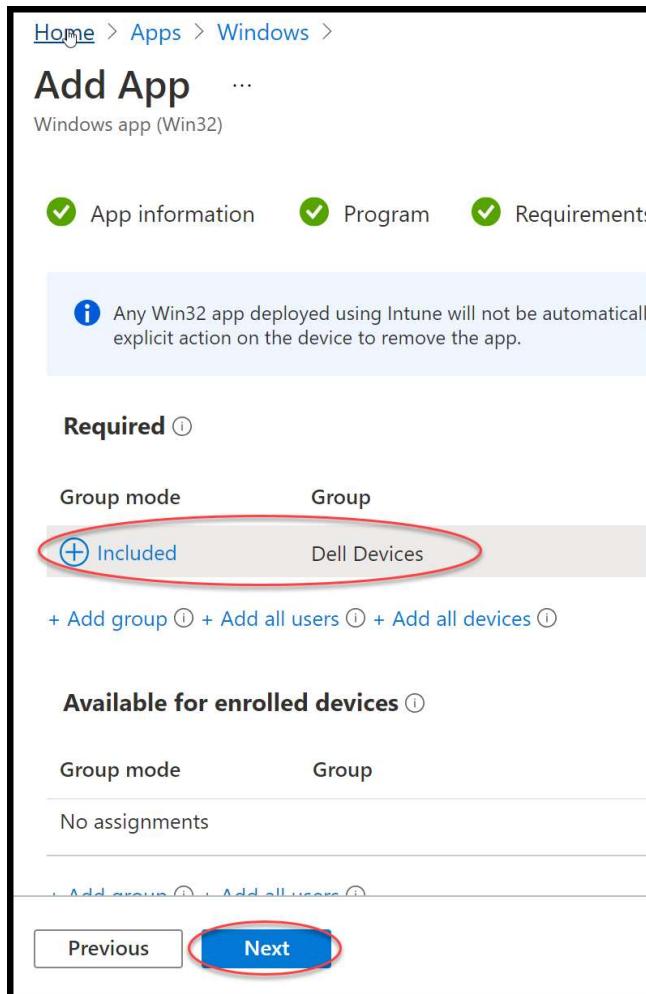
Section 'Assignments'



The Dell Trusted Device Agent supports only Dell (Latitude, Optiplex, Precision and mobile XPS) it makes sense to have a dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--------------------------|
| Required | Add group 'Dell Devices' |
| Available for enrolled devices | |
| Uninstall | |

Click 'Next'



The app is now finished

Click 'Create'

The screenshot shows the 'Add App' configuration page in Intune. The top navigation bar includes 'Home', 'Apps', 'Windows', and a 'Create' button. The main section is titled 'Add App' with a 'Windows app (Win32)' selected. The configuration fields are as follows:

| | |
|---|--|
| App package file | TrustedDevice-64bit.intunewin |
| Name | Dell Trusted Device Agent |
| Description | Dell Trusted Device Agent |
| Publisher | Dell Inc. |
| App Version | 3.8.94.0 |
| Category | -- |
| Show this as a featured app in the Company Portal | No |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |
| Program | |
| Install command | msiexec /i "TrustedDevice-64bit.msi" /q |
| Uninstall command | msiexec /x "{66AE1ACB-9ABF-4FB9-8248-C3064DDE6093}" /q |
| Install behavior | System |

At the bottom, there are 'Previous' and 'Create' buttons. The 'Create' button is highlighted with a red circle.

Ready to work.

The screenshot shows the 'Windows | Windows apps' list in Intune. The search bar contains 'trust'. The table displays the following data:

| Name | Type | Status | Version | Assigned |
|---------------------------|---------------------|----------|---------|----------|
| Dell Trusted Device Agent | Windows app (Win32) | 3.8.94.0 | | Yes |
| Dell Trusted Device Agent | Windows app (Win32) | 3.8.85.0 | | No |
| Dell Trusted Device Agent | Windows app (Win32) | 3.7.89.0 | | No |

Dell Power Manager

Introduction

Dell Power Manager software provides simplified and efficient power management capabilities for Dell notebooks and tablets running Windows 7, Windows 8, and Windows 10 operating systems.

Dell Power Manager Version User Guide

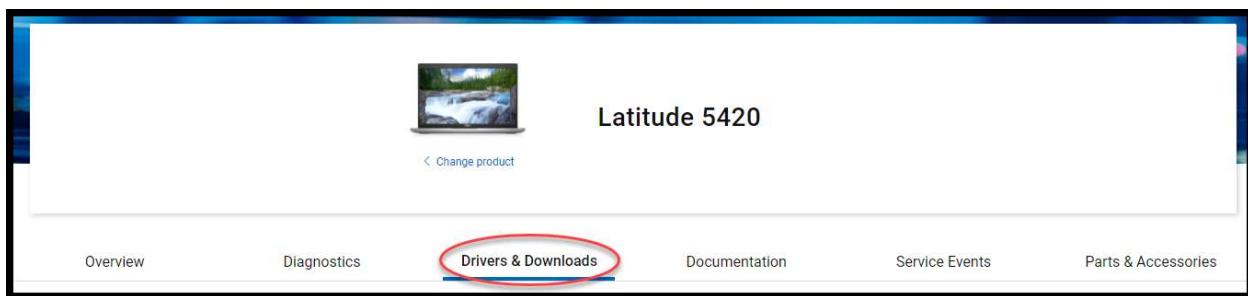
<https://www.dell.com/support/home/en-us/product-support/product/dell-command-power-manager/docs>

Prepare Dell Power Manager for MEM

Download the newest Version of Dell Power Manager from our website.

<https://www.dell.com/support/home/en-us>

Note: Please select a device platform like Latitude 5420 and move to section 'Drivers & Downloads'



Choose Manually to find a specific driver

| Field | Value |
|----------|--------------------|
| Category | Systems Management |

Find Dell Power Manager Service and download the installer file.

The screenshot shows a search interface for finding drivers. The 'Category' dropdown is set to 'Systems Management'. The search results table lists 14 drivers, including 'Dell Power Manager Service', which is circled in red. The table columns are NAME, CATEGORY, RELEASE DATE, and ACTION (Download).

| NAME | CATEGORY | RELEASE DATE | ACTION |
|-----------------------------------|--------------------|--------------|----------|
| Dell Command Monitor (URGENT) | Systems Management | 21 Jun 2021 | Download |
| Dell Command Monitor (URGENT) | Systems Management | 21 Jun 2021 | Download |
| Dell Command Deploy Driver Pack | Systems Management | 09 Nov 2021 | Download |
| Dell Power Manager Service | Systems Management | 04 Nov 2021 | Download |

If you have downloaded the file from dell.com/support, an added step is needed to find the MSI for the installation.

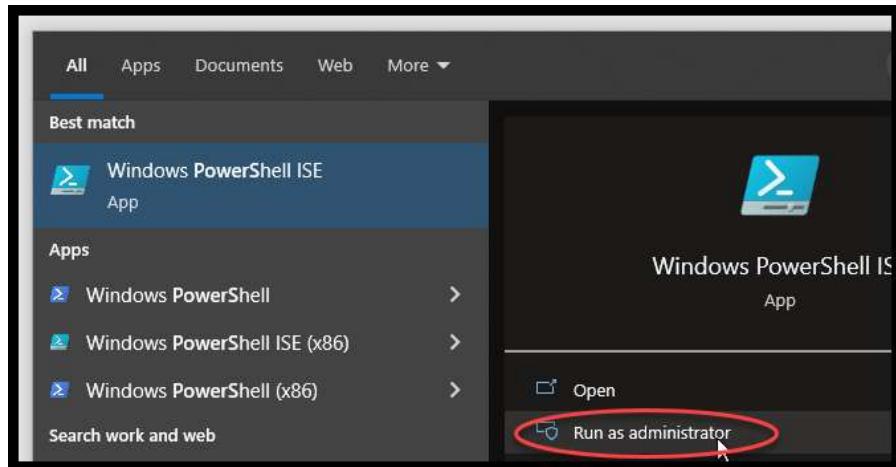


The MSI need to extract from the EXE.

If you need more details, please take a look on the Support article

<https://www.dell.com/support/kbdoc/en-en/000177292/how-to-create-a-dell-command-update-msi-installer-package>

1. Open PowerShell as an administrator.

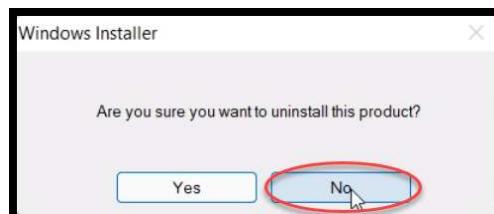


2. \folder\{Dell-Command-Update_[VERSION] /PASSTHROUGH /X /B"\[EXTRACTION PATH]"

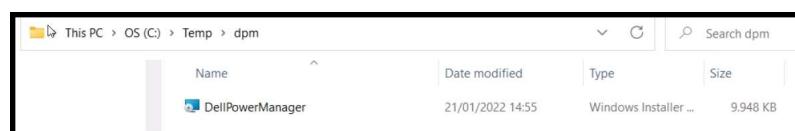
```
PS C:\Temp> .\Dell-Power-Manager-Service_KDHHR_WIN64_3.10.0_A00.EXE /passthrough /x /b"c:\temp\dpm"
```

e.g. .\Dell-Power-Manager-Service-KDHHR_WIN64_3.10.0_A00.exe /passthrough /x /b"c:\temp\dpm"

3. Click 'No'



MSI extract of Dell Power Manager is finished.



Dell Power Manager has two parts. The 'Dell Power Manager Service' which incl. the software and drivers and 'Dell Power Manager' which is the User Interface (UI) based on Microsoft standards for a DCH-Compliant Driver Package.



Note: If you uninstall or update the Dell Power Manager by MSI it could be the 'Dell Power Manager' App will still exist in the older version on the device. The following uninstall/install script will clear up the UWP App as well.

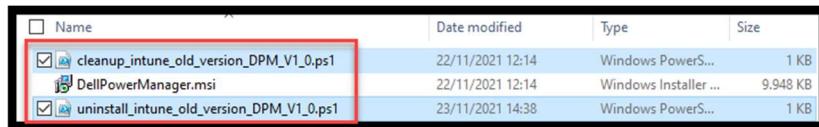
Generate an install script **cleanup_intune_old_version_DPM_V1_0.ps1**

```
$RegKeyexist = Test-Path 'HKLM:\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\{18469ED8-8C36-4CF7-BD43-0FC9B1931AF8}'  
  
if ($RegKeyexist -like "False")  
{  
    Write-Output "No DPM"  
    msieexec.exe /i "DellPowerManager.msi" /qn  
}  
  
Else  
{  
    msieexec.exe /x "{18469ED8-8C36-4CF7-BD43-0FC9B1931AF8}" /qn  
    Start-Sleep -Seconds 15  
    Get-AppxPackage *DellPower* -AllUsers | Remove-AppxPackage -AllUsers  
    Start-Sleep -Seconds 15  
    msieexec.exe /i "DellPowerManager.msi" /qn  
    Start-Sleep -Seconds 15  
}
```

Generate a uninstall script **uninstall_intune_old_version_DPM_V1_0.ps1**

```
$OldApp = Get-WmiObject -Class win32_product -Filter "Name like '%Dell Power%'" | select -ExpandProperty  
IdentifyingNumber  
msiexec.exe /x $OldApp /qn  
Start-Sleep -Seconds 20  
Get-AppxPackage *DellPower* -AllUsers | Remove-AppxPackage -AllUsers  
Start-Sleep -Seconds 15
```

Save both scripts in the same folder where the **DellPowerManager.msi** is stored.



Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\PowerManager\3.10.0  
Please specify the setup file: DellPowerManager.msi  
Please specify the output folder: C:\Dell\IntuneWin\Output\PowerManager\3.10.0  
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.



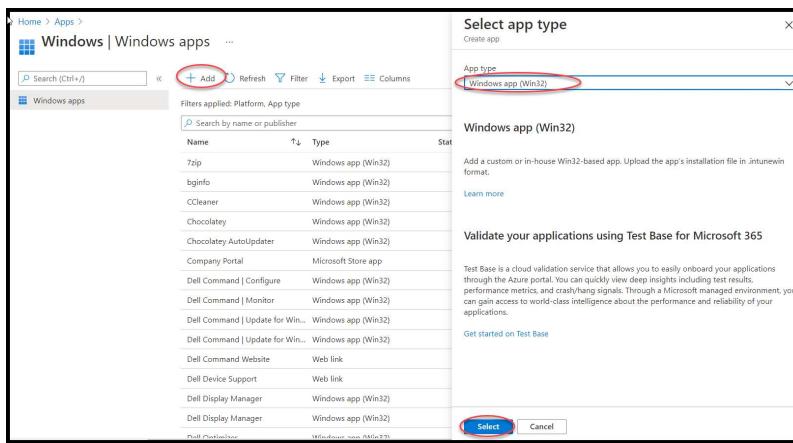
Import and Deployment settings Dell Power Manager for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

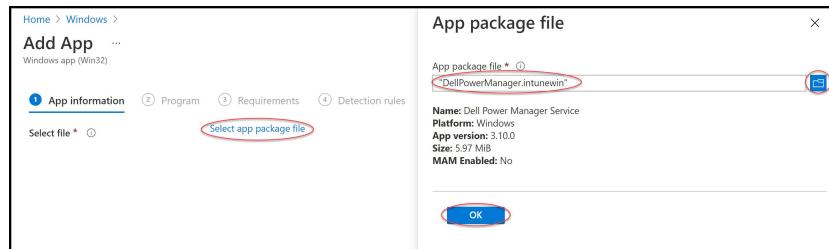


Click 'Select app package file'

Click 'Folder'

Select '**DellPowerManagerINTUNEWIN**'

Click 'OK'



| Field | Value |
|---|-----------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

The screenshot shows the 'Add App' interface for a Windows app (Win32). The 'App information' tab is selected. Key fields filled out include:

- Publisher:** Dell Inc. (circled in red)
- App Version:** 3.10.0
- Show this as a featured app in the Company Portal:** Yes (circled in red)

The 'Next' button at the bottom is also circled in red, indicating the user should click it to proceed.

Section 'Program'

The screenshot shows the 'Program' tab selected in the 'Add App' interface. The tab bar includes 'App information', 'Program' (highlighted with a red circle), 'Requirements', 'Detection rules', 'Dependencies', 'Supersedence (preview)', 'Assignments', and 'Review + create'.

| Field | Value |
|-------------------|--|
| Install command | powershell.exe -executionpolicy bypass .\\cleanup_intune_old_version_DPM_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass .\\uninstall_intune_old_version_DPM_V1_0.ps1 |

Click 'Next'

The screenshot shows the 'Program' tab in the 'Add App' interface. The 'Install command' field contains 'powershell.exe -executionpolicy bypass .\\cleanup_intune_old_version_DPM_V1_0.ps1'. The 'Uninstall command' field contains 'powershell.exe -executionpolicy bypass .\\uninstall_intune_old_version_DPM_V1_0.ps1'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab highlighted. Below the tabs, there are several input fields for specifying system requirements.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. The 'Next' button at the bottom is highlighted with a red circle. The form includes fields for operating system architecture and minimum operating system, both of which are circled in red.

Section 'Detection rules'

The screenshot shows the 'Add App' interface. At the top, there are tabs: 'App information', 'Program', 'Requirements', 'Detection rules' (which is highlighted with a blue circle), 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create'. Below the tabs, the page title is 'Add App' and the subtitle is 'Windows app (Win32)'. The main content area is currently empty.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there's a table with one row. The first column is 'Type' and the second is 'Path/Code'. A note says 'No rules are specified.' At the bottom left, there is a red circle around the '+ Add' button.

| Field | Value |
|---------------------------|---|
| Rule type | MSI |
| MSI product code | Default |
| MSI product version check | Yes |
| Operator | Greater than or equal to |
| Value | 3.10.0 Note: Use version of your Dell Power Manager |

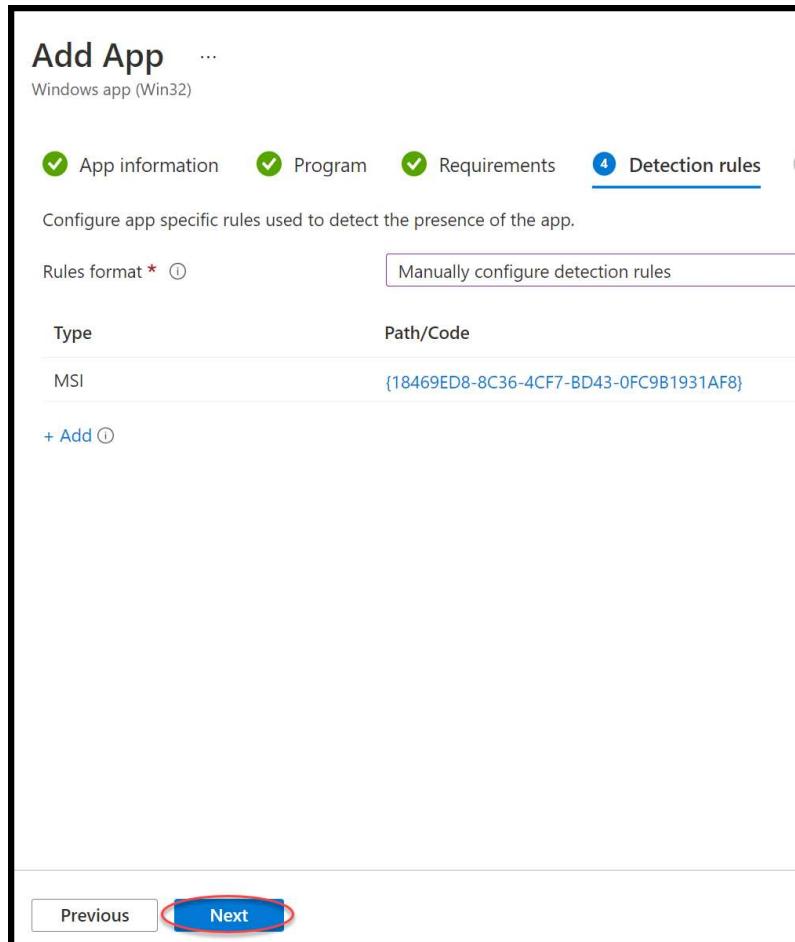
Click 'OK'

The screenshot shows the 'Detection rule' configuration dialog. The fields and their values are as follows:

- Rule type: MSI
- MSI product code: {18469ED8-8C36-4CF7-BD43-0FC9B1931AF8}
- MSI product version check: Yes
- Operator: Greater than or equal to
- Value: 3.10.0

The 'OK' button at the bottom left is circled in red.

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update, so this point is does not needed.

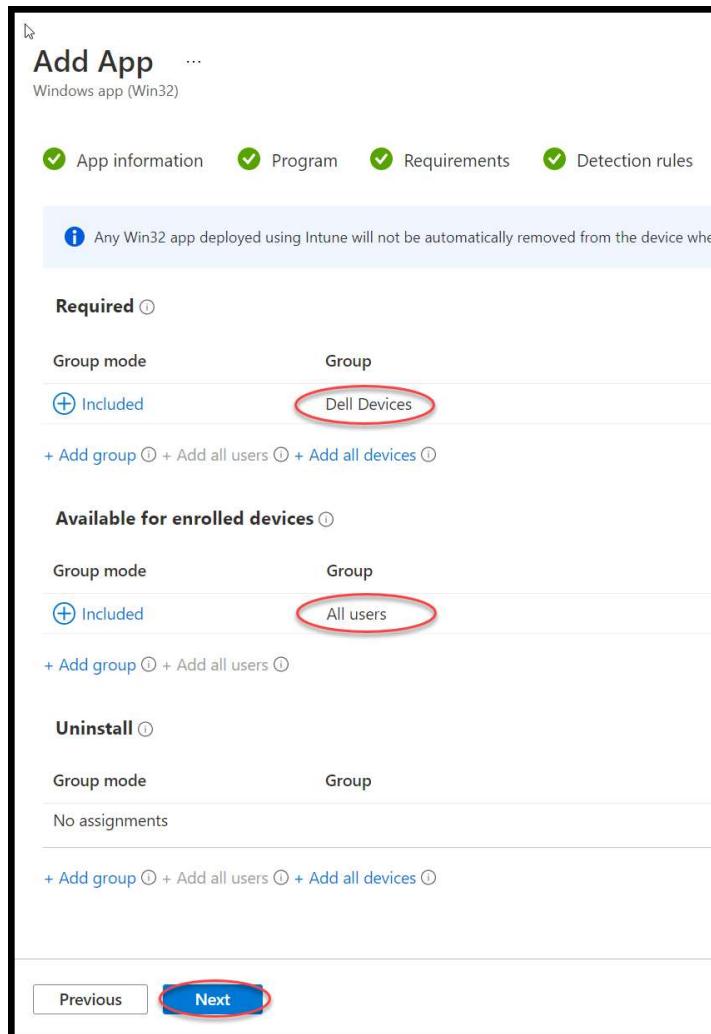
Section 'Assignments'



The Dell Power Manager supports only Dell (Latitude, Optiplex, Precision and mobile XPS) it makes sense to have da dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--------------------------|
| Required | Add group 'Dell Devices' |
| Available for enrolled devices | Add All User |
| Uninstall | |

Click 'Next'



The app is now finished

Click 'Create'

Add App ...

Windows app (Win32)

✓ App information ✓ Program ✓ Requirements ✓ Detection rules ✓ Dependencies ✓ S

Summary

App information

| | |
|---|----------------------------|
| App package file | DellPowerManager.intunewin |
| Name | Dell Power Manager Service |
| Description | Dell Power Manager Service |
| Publisher | Dell Inc. |
| App Version | 3.10.0 |
| Category | -- |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |

Program

| | |
|-------------------|--|
| Install command | powershell.exe -executionpolicy bypass \cleanup_intune_old_version_DPM_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass |

Previous **Create**

Ready to work.

| Windows Windows apps | | | | | |
|---|---------------------|--------|---------|----------|--|
| Search (Ctrl+F) + Add ⌘ Refresh ⌘ Filter ⌘ Export Columns | | | | | |
| Filters applied: Platform, App type | | | | | |
| DPM | | | | | |
| Name | Type | Status | Version | Assigned | |
| Dell Power Manager Service | Windows app (Win32) | 3.0.0 | No | | |
| Dell Power Manager Service | Windows app (Win32) | 3.10.0 | Yes | | |

Dell Command | Update

Introduction

Dell Command | Update is a stand-alone application, for commercial client computers that provides updates for system software released by Dell. This application simplifies the BIOS, firmware, driver and application update experience for Dell commercial client hardware. This application can also be used to install drivers after the operating system and network drivers are installed, based on the computer identity.

Dell Command | Update Reference Guide

<https://www.dell.com/support/home/en-us/product-support/product/command-update/docs>

Prepare Dell Command | Update for MEM

Download the newest Version of Dell Command Update from our website.

<https://www.dell.com/support/kbdoc/en-us/000177325/dell-command-update>

Please be aware that Dell offers two Versions of installer Dell Command | Update Application for Windows 10 (or Windows Universal Application) and Dell Command | Update. For this guide we are using the Universal Application but if you change the MSI Name in installer script you can use the other version as well.

Dell Command | Update 4.4

Dell Command | Update 4.4 (released October 2021)

There are two **downloads** available for Dell Command | Update:

- [Universal Windows Platform version for Windows 11 and Windows 10 \(32 and 64 bit\)](#)
- [Windows 32 and 64-bit version for Microsoft Windows 8.1 and 10](#)

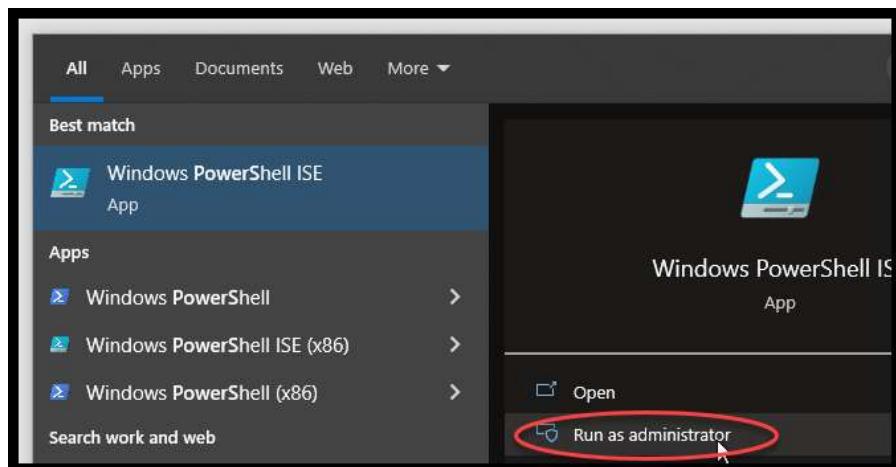
Documentation Links

- [Release Notes and User Guide](#)

If you have downloaded the file from dell.com/support, an additional step is required to find the MSI for the installation.

If you need more details, please take a look on the Support article
<https://www.dell.com/support/kbdoc/en-en/000177292/how-to-create-a-dell-command-update-msi-installer-package>

1. Open PowerShell as an administrator.

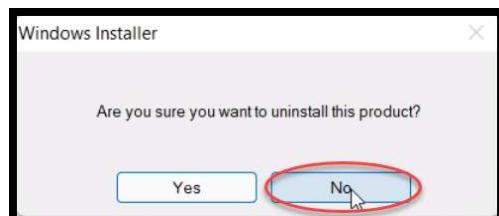


2. `!folder\!Dell-Command-Update_[VERSION] /PASSTHROUGH /X /B!"[EXTRACTION PATH]"`

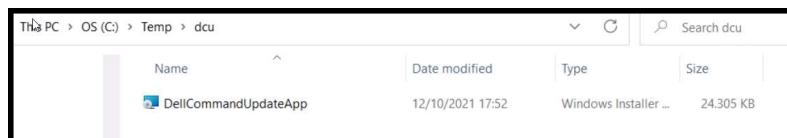
```
PS C:\temp> .\Dell-Command-Update_windows-Universal-Application_PWD0M_WIN_4.4.0_A00.exe /passthrough /x /b"c:\temp\dcu"
```

e.g. .\Dell-Command-Update_windows-Universal-Application_PWD0M_WIN_4.4.0_A00.exe /passthrough /x /b"c:\temp\dcu"

3. Click 'No'



MSI extract of Dell Command Update is finished.



Note: If you uninstall or update Dell Command Update by MSI it could be the 'Dell Command Update' App will still exist in the older version on the device. The following uninstall/install script will clear up the UWP App as well.

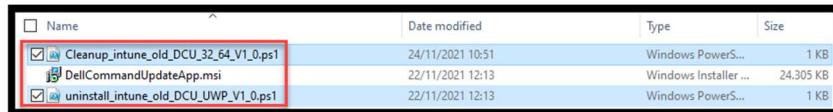
Generate an install script **Cleanup_intune_old_DCU_32_64_V1_0.ps1**

```
$OldApp = Get-WmiObject -Class win32_product -Filter "Name like '%Dell Command | Update%'" | select -  
ExpandProperty IdentifyingNumber  
msiexec.exe /x $OldApp /qn  
Start-Sleep -Seconds 20  
get-AppxPackage *DellCommandUpdate* -AllUsers | Remove-AppxPackage -AllUsers  
Start-Sleep -Seconds 20  
msiexec.exe /i "DellCommandUpdateApp.msi" /qn  
Start-Sleep -Seconds 20  
New-ItemProperty -Path "HKLM:\SOFTWARE\DELL\UpdateService\Clients\CommandUpdate\Preferences\CFG" -  
Value "ShowSetupPopup" -PropertyType Dword -Value 0 -Force
```

Generate a uninstall script **uninstall_intune_old_DCU_UWP_V1_0.ps1**

```
$OldApp = Get-WmiObject -Class win32_product -Filter "Name like '%Dell Command | Update%'" | select -  
ExpandProperty IdentifyingNumber  
msiexec.exe /x $OldApp /qn  
Start-Sleep -Seconds 20  
get-AppxPackage *DellCommandUpdate* -AllUsers | Remove-AppxPackage -AllUsers
```

Save both scripts in the same folder where the **DellCommandUpdateApp.msi** is stored.



Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Dell Command Update\4.4_UWP  
Please specify the setup file: DellCommandUpdateApp.msi  
Please specify the output folder: C:\Dell\IntuneWin\Output\CommandUpdateUWP\4.4  
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.



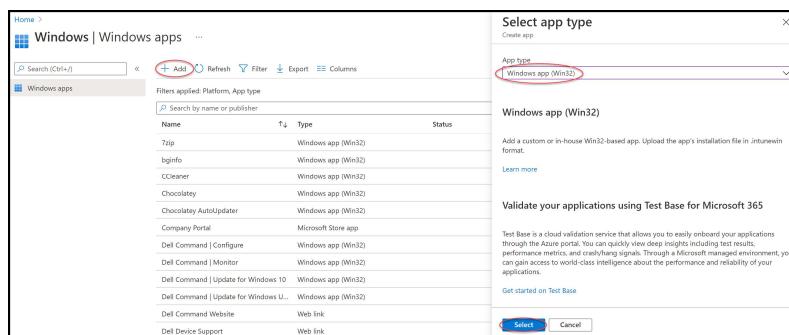
Import and Deployment settings Dell Command | Update for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

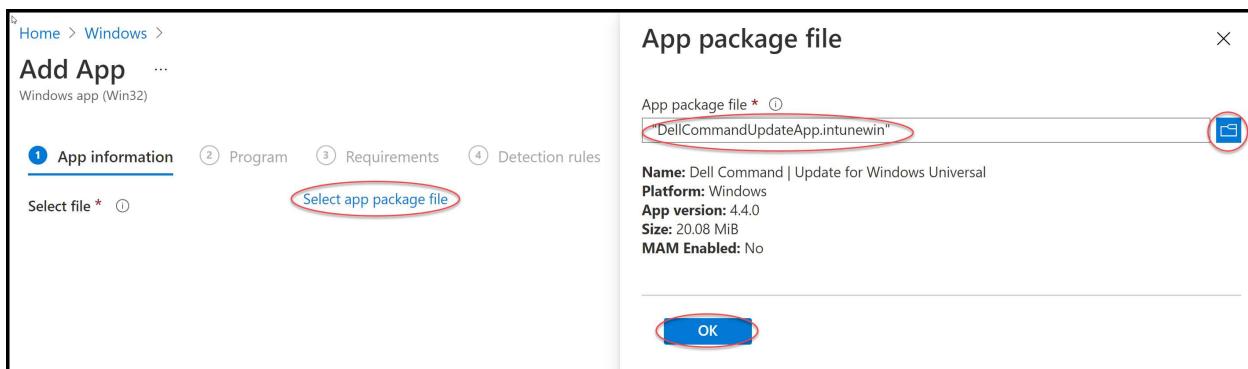


Click 'Select app package file'

Click 'Folder'

Select 'DellCommandUpdateAppINTUNEWIN'

Click 'OK'



| Field | Value |
|---|-----------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

The screenshot shows the 'Add App' interface for a Windows app (Win32). The 'App information' tab is selected. Key fields filled out include:

- Select file ***: DellCommandUpdateApp.intunewin
- Name ***: Dell Command | Update for Windows Universal
- Description ***: Dell Command | Update for Windows Universal
- Publisher ***: Dell Inc. (highlighted with a red circle)
- App Version**: 4.4.0
- Category**: 0 selected
- Show this as a featured app in the Company Portal**: Yes (highlighted with a red circle)
- Information URL**: Enter a valid url
- Privacy URL**: Enter a valid url
- Developer**: (empty)

At the bottom, the 'Previous' and 'Next' buttons are visible, with 'Next' being highlighted with a red circle.

Section 'Program'

Home > Apps > Windows > Add App ...
Windows app (Win32)
App information Program Requirements Detection rules Dependencies Supersedence (preview) Assignments Review + create

| Field | Value |
|-------------------|--|
| Install command | powershell.exe -executionpolicy bypass .\Cleanup_intune_old_DCU_32_64_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass .\uninstall_intune_old_DCU_UWP_V1_0.ps1 |

Click 'Next'

Home > Windows > Add App ...
Windows app (Win32)
App information Program Requirements Detection rules Dependencies

Specify the commands to install and uninstall this app:

Install command * ⓘ powershell.exe -executionpolicy bypass .\Cleanup_intune_old_DCU_32_64_V1_0...
Uninstall command * ⓘ powershell.exe -executionpolicy bypass .\uninstall_intune_old_DCU_UWP_V1_0...
Install behavior ⓘ System User
Device restart behavior ⓘ App install may force a device restart
Specify return codes to indicate post-installation behavior:

| Return code | Code type |
|-------------|-------------|
| 0 | Success |
| 1707 | Success |
| 3010 | Soft reboot |
| 1641 | Hard reboot |
| 1618 | Retry |

+ Add

Previous Next

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' interface with the 'Requirements' section filled out. The 'Operating system architecture' is set to '64-bit' and the 'Minimum operating system' is set to 'Windows 10 1909'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The tabs at the top are: App information, Program, Requirements, Detection rules (which is highlighted with a blue circle), Dependencies, Superseding (preview), Assignments, and Review + create.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. A red circle highlights the 'Rules format' dropdown menu, which contains the value 'Manually configure detection rules'. Another red circle highlights the '+ Add' button at the bottom left of the section.

| Field | Value |
|---------------------------|---|
| Rule type | MSI |
| MSI product code | Default |
| MSI product version check | Yes |
| Operator | Greater than or equal to |
| Value | 4.4.0 Note: Use version of your Dell Command Update |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ

MSI product code * ⓘ ✓

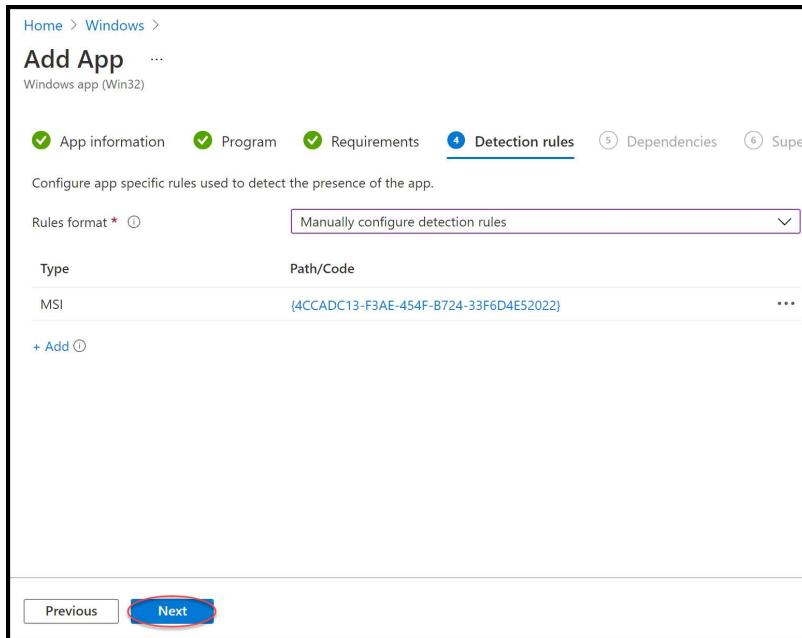
MSI product version check ⓘ Yes No

Operator * ⓘ

Value * ⓘ ✓

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update so this point is does not needed.

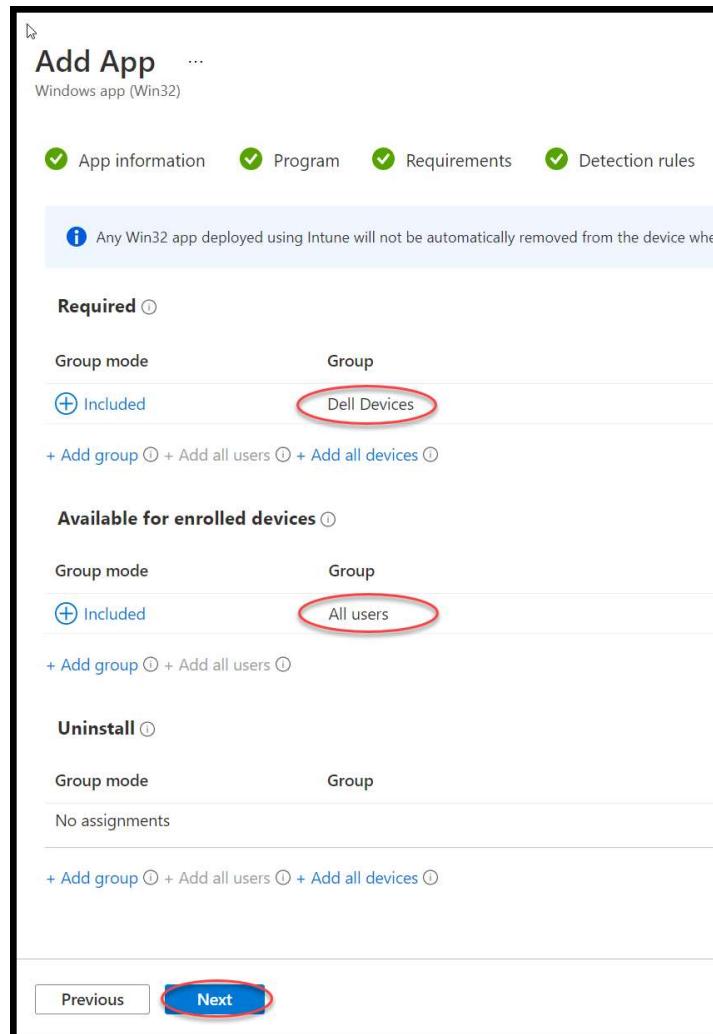
Section 'Assignments'



The Dell Command Update supports only Dell (Latitude, Optiplex, Precision and mobile XPS) it makes sense to have da dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--------------------------|
| Required | Add group 'Dell Devices' |
| Available for enrolled devices | Add All User |
| Uninstall | |

Click 'Next'



The app is now finished

Click 'Create'

Home > Windows >

Add App ...

Windows app (Win32)

| | |
|---|---|
| Name | Dell Command Update for Windows Universal |
| Description | Dell Command Update for Windows Universal |
| Publisher | Dell Inc. |
| App Version | 4.4.0 |
| Category | -- |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |
| Program | |
| Install command | powershell.exe -executionpolicy bypass \\Cleanup_intune_old_DCU_32_64_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass \\uninstall_intune_old_DCU_UWP_V1_0.ps |
| Install behavior | System |
| Device restart behavior | App install may force a device restart |
| Return codes | 0 Success 1707 Success 3010 Soft reboot 1641 Hard reboot 1618 Retry |

[Previous](#) [Create](#)

Ready to work.

Home >

Windows | Windows apps ...

Search (Ctrl+F) + Add Refresh Filter Export Columns

Filters applied: Platform, App type

updated

| Name | Type | Status | Version | Assigned |
|---|---------------------|--------|---------|----------|
| Chocolatey AutoUpdate | Windows app (Win32) | Yes | 4.3.0 | No |
| Dell Command Update for Windows 10 | Windows app (Win32) | No | 4.4.0 | Yes |
| Dell Command Update for Windows Universal | Windows app (Win32) | Yes | 4.4.0 | Yes |

Dell Command | Monitor

Introduction

The Dell Command | Monitor software application enables IT administrators to easily manage fleet inventory, monitor system health, modify BIOS settings, and remotely collect information for deployed Dell client systems.

Active system health state monitoring can help reduce the total cost of system ownership and is part of a holistic approach to managing all networked devices.

Dell Command | Monitor is designed for Dell Enterprise client systems, Dell IoT Gateway systems, and for Dell Embedded PCs.

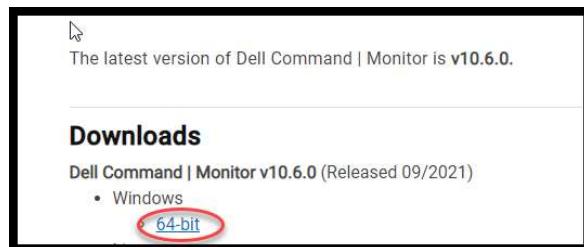
Dell Command | Monitor Reference Guide

<https://www.dell.com/support/home/en-us/product-support/product/command-monitor/docs>

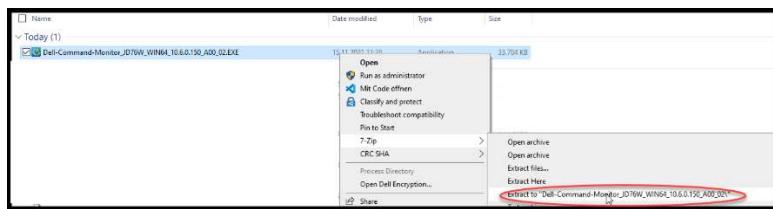
Prepare Dell Command | Monitor for MEM

Download the newest Version of Dell Command | Monitor from our website.

<https://www.dell.com/support/kbdoc/en-us/000177080/dell-command-monitor>



The file must be unzipped.



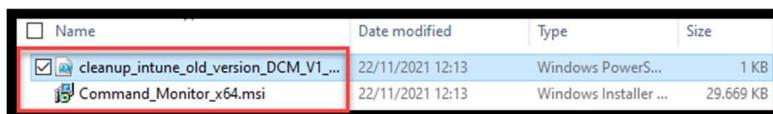
The folder includes a file named **Command_Monitor_x64.msi**. This file is needed to deploy MEM.



Generate an install script **cleanup_intune_old_version_DCM_V1_0.ps1**

```
$OldApp = Get-WmiObject -Class win32_product -Filter "Name = 'Dell Command | Monitor'" | select -ExpandProperty IdentifyingNumber  
msiexec.exe /x $OldApp /qn  
Start-Sleep -Seconds 30  
msiexec.exe /i "Command_Monitor_x64.msi" /qn  
Start-Sleep -Seconds 30
```

Save script in the same folder where the **Command_Monitor_x64.msi** is stored.

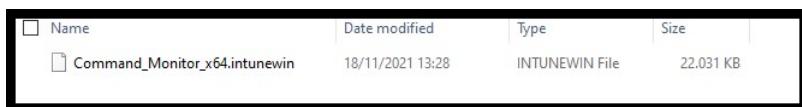


Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Dell Command Monitor\10.6.0.150  
Please specify the setup file: Command_Monitor_x64.msi  
Please specify the output folder: C:\Dell\IntuneWin\Output\CommandMonitor\10.6.0.150  
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.



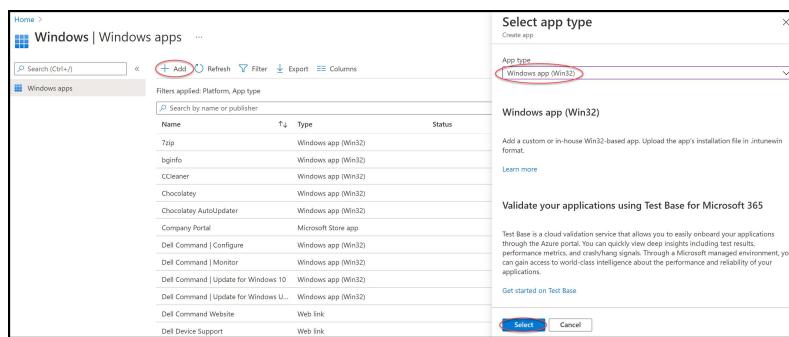
Import and Deployment settings Dell Command | Monitor for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

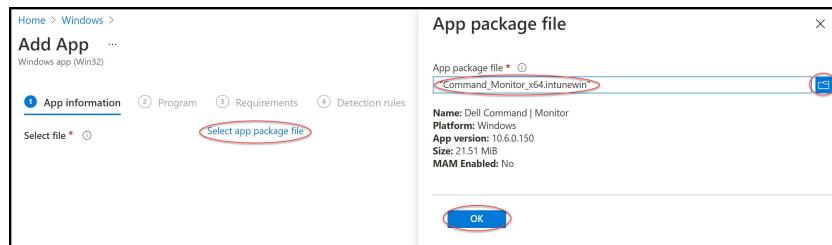


Click 'Select app package file'

Click 'Folder'

Select 'Command_Monitor_x64.intunewin'

Click 'OK'



| Field | Value |
|---|-----------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | No |

Click 'Next'

Add App ...

Windows app (Win32)

① App information ② Program ③ Requirements ④ Detection rules ⑤ Dependencies ⑥ Supers

Select file * ⓘ Command_Monitor_x64.intunewin

Name * ⓘ Dell Command | Monitor

Description * ⓘ Dell Command | Monitor

Edit Description

Publisher * ⓘ Dell Inc.

App Version ⓘ 10.6.0.150

Category ⓘ 0 selected

Show this as a featured app in the Company Portal ⓘ Yes No

Information URL ⓘ Enter a valid url

Privacy URL ⓘ Enter a valid url

Developer ⓘ

Previous Next

Section 'Program'

The screenshot shows the 'Add App' interface with the 'Program' tab selected. The URL in the address bar is 'Home > Apps > Windows > Add App ...'. Below the tabs, there are several other tabs: Requirements, Detection rules, Dependencies, Supersedence (preview), Assignments, and Review + create.

| Field | Value |
|-----------------|--|
| Install command | powershell.exe -executionpolicy bypass .\\cleanup_intune_old_version_DCM_V1_0.ps1 |

Click 'Next'

The screenshot shows the 'Add App' interface with the 'Program' tab selected. The URL in the address bar is 'Home > Apps > Windows > Add App ...'. The 'Install command' field contains the PowerShell command with a red oval highlighting it. The 'Uninstall command' field contains 'msiexec /x "(91E79414-DB41-4030-9A13-E133EE30F1D5)" /q'. The 'Install behavior' section is set to 'System'. The 'Device restart behavior' dropdown is set to 'App install may force a device restart'. In the 'Return code' section, there are five entries: 0 (Success), 1707 (Success), 3010 (Soft reboot), 1641 (Hard reboot), and 1618 (Retry). The 'Next' button at the bottom is highlighted with a red oval.

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' Requirements step. The 'Requirements' tab is selected. The 'Operating system architecture' field is set to '64-bit' and the 'Minimum operating system' field is set to 'Windows 10 1909'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface. At the top, there are tabs for 'App information', 'Program', 'Requirements', 'Detection rules' (which is highlighted with a blue circle), 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create'. Below the tabs, the page title is 'Add App' and the subtitle is 'Windows app (Win32)'. The main content area is currently empty.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there's a table with one row showing 'Type' and 'Path/Code'. A note says 'No rules are specified.' At the bottom left, there's a '+ Add' button. Both the 'Manually configure detection rules' dropdown and the '+ Add' button are circled in red.

| Field | Value |
|---------------------------|---|
| Rule type | MSI |
| MSI product code | Default |
| MSI product version check | Yes |
| Operator | Greater than or equal to |
| Value | 10.6.0.150 Note: Use version of your Dell Command Monitor |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ X

MSI product code * ⓘ ✓

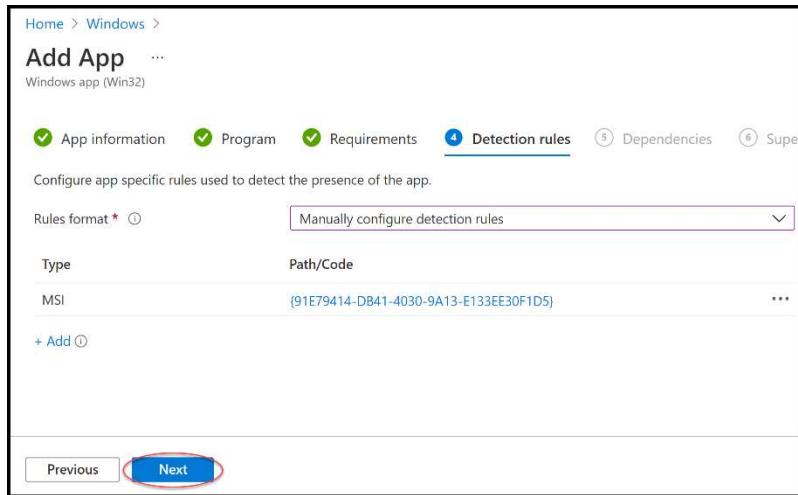
MSI product version check ⓘ Yes No

Operator * ⓘ ▼

Value * ⓘ ✓

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update, so this point is does not needed.

Section 'Assignments'



The Dell Command Monitor supports only Dell (Latitude, Optiplex, Precision and mobile XPS) it makes sense to have da dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--------------------------|
| Required | Add group 'Dell Devices' |
| Available for enrolled devices | |
| Uninstall | |

Click 'Next'

Home > Windows >

Add App

Windows app (Win32)

✓ App information ✓ Program ✓ Requirements ✓ Detection

ⓘ Any Win32 app deployed using Intune will not be automatically removed from devices.

Required ⓘ

| Group mode | Group |
|------------|--------------|
| + Included | Dell Devices |

+ Add group ⓘ + Add all users ⓘ + Add all devices ⓘ

Available for enrolled devices ⓘ

| Group mode | Group |
|----------------|-------|
| No assignments | |

+ Add group ⓘ + Add all users ⓘ

Uninstall ⓘ

| Group mode | Group |
|----------------|-------|
| No assignments | |

+ Add group ⓘ + Add all users ⓘ + Add all devices ⓘ

Next

The app is now finished

Click 'Create'

Home > Windows >
Add App ...
Windows app (Win32)

App information Program Requirements Detection rules Dependencies Sup...

Summary

App information

| | |
|---|-------------------------------|
| App package file | Command_Monitor_x64.intunewin |
| Name | Dell Command Monitor |
| Description | Dell Command Monitor |
| Publisher | Dell Inc. |
| App Version | 10.6.0.150 |
| Category | -- |
| Show this as a featured app in the Company Portal | No |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |

Program

| | |
|-------------------|--|
| Install command | powershell.exe -executionpolicy bypass \cleanup_intune_old_version_DCM_V1_0.ps1 |
| Uninstall command | msiexec /x "(91E79414-DB41-4030-9A13-E133EE30F1D5)" /q |

Create (button circled in red)

Ready to work.

| Name | Type | Status | Version | Assigned |
|------------------------|---------------------|--------|------------|----------|
| Dell Command Monitor | Windows app (Win32) | -- | 10.6.0.150 | Yes |

Dell Command | Configure

Introduction

Dell Command | Configure is a packaged software application that provides configuration capability to business client platforms.

This product consists of a Command Line Interface (CLI) and Graphical User Interface (GUI) to configure various BIOS features. Dell Command | Configure supports following Windows and Linux operating systems: Windows 10, Windows Pre-installation Environment (Windows PE), Red Hat Enterprise Linux 7, Red Hat Enterprise Linux 8, Ubuntu Desktop 16.04, Ubuntu Desktop 18.04, Ubuntu Server 18.04 and Ubuntu Desktop 20.04.

Note: Dell Command | Configure is only used by administrators and is usually not installed on all devices. We have only included them in this guide for the sake of completeness.

Dell Command | Configure Command Line Interface Reference Guide

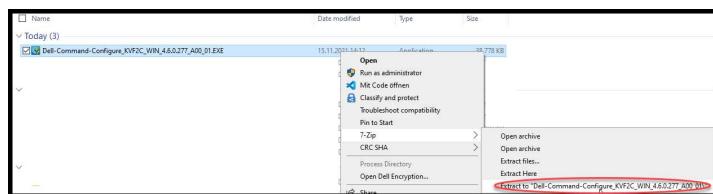
<https://www.dell.com/support/home/en-us/product-support/product/command-configure/docs>

Prepare Dell Command | Configure for MEM

Download the newest Version of Dell Command | Configure from our website.

<https://www.dell.com/support/kbdoc/en-us/000178000/dell-command-configure>

The file must be unzipped.



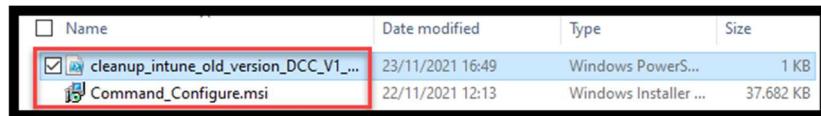
The folder includes a file named **Command_Configure.msi**. This file is needed to deploy MEM.



If you have an existing installation or you are not aware if an installation is on the client, it makes sense to clear up older installations first. The following script will clear up older installations of Dell Command | Configure and starting the reinstall of the newer Version. The script '**'cleanup_intune_old_version_DCC_V1_0.ps1'**' will be saved in the same folder as the **Command_Configure.msi**.

```
$OldApp = Get-WmiObject -Class win32_product -Filter "Name = 'Dell Command | Configure'" | select -ExpandProperty IdentifyingNumber
msiexec.exe /x $OldApp /qn
Start-Sleep -Seconds 10
msiexec.exe /i "Command_Configure.msi" /qn
Start-Sleep -Seconds 15
```

Save script in the same folder where the **Command_Configure.msi** is stored.

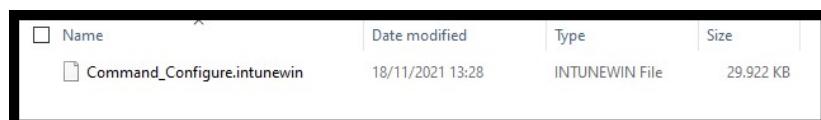


Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Dell Command Configure\4.6.0.277
Please specify the setup file: Command_Configure.msi
Please specify the output folder: C:\Dell\IntuneWin\Output\CommandConfigure\4.6.0.277
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.



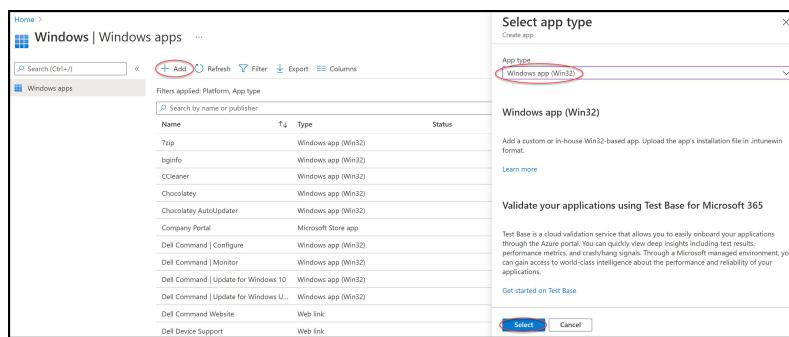
Import and Deployment settings Dell Command | Configure for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

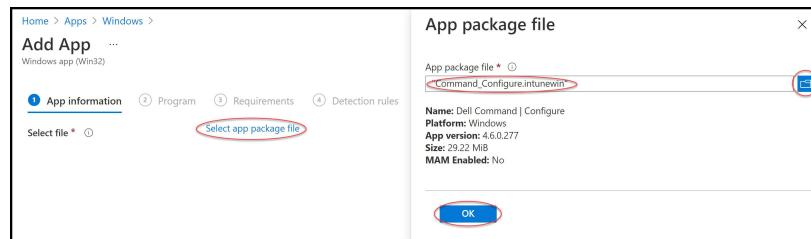


Click 'Select app package file'

Click 'Folder'

Select '**Command_ConfigureINTUNEWIN**'

Click 'OK'



| Field | Value |
|---|-----------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

Add App ...

Windows app (Win32)

1 App information **2 Program** **3 Requirements** **4 Detection rules** **5 Dependencies** **6 Superseded by**

Select file * ⓘ Command_Command.intunewin

Name * ⓘ Dell Command | Configure

Description * ⓘ Dell Command | Configure

Edit Description

Publisher * ⓘ Dell Inc.

App Version ⓘ 4.6.0.277

Category ⓘ 0 selected

Show this as a featured app in the Company Portal ⓘ Yes

Information URL ⓘ Enter a valid url

Privacy URL ⓘ Enter a valid url

Developer ⓘ

Previous **Next**

Section 'Program'



| Field | Value |
|-----------------|--|
| Install command | powershell.exe -executionpolicy bypass .\\cleanup_intune_old_version_DCC_V1_0.ps1 |

Click 'Next'

A screenshot of the 'Add App' configuration screen. The 'Program' tab is active. The 'Install command' field contains the PowerShell command. The 'Uninstall command' field contains 'msiexec /x "{DF3680A9-B4C6-48D1-ACEF-0FF004446314}" /q'. Under 'Install behavior', 'System' is selected. In the 'Device restart behavior' dropdown, 'App install may force a device restart' is chosen. Below, a table maps return codes to code types: 0 (Success), 1707 (Success), 3010 (Soft reboot), and 1641 (Hard reboot). At the bottom, 'Previous' and 'Next' buttons are shown, with 'Next' being highlighted with a red oval.

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Supersedence (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' Requirements page. It has fields for Operating system architecture (set to 64-bit) and Minimum operating system (set to Windows 10 1909). The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface. At the top, there are tabs: 'App information', 'Program', 'Requirements', 'Detection rules' (which is highlighted with a blue circle), 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create'. Below the tabs, the page title is 'Add App' and the subtitle is 'Windows app (Win32)'. The main content area is currently empty.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there's a table with one row: 'Type' (empty) and 'Path/Code' (empty). At the bottom left, there is a red circle around the '+ Add' button.

| Field | Value |
|---------------------------|--|
| Rule type | MSI |
| MSI product code | Default |
| MSI product version check | Yes |
| Operator | Greater than or equal to |
| Value | 4.6.0.277 Note: Use version of your Dell Command Configure |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ MSI ▼

MSI product code * ⓘ {DF3680A9-B4C6-48D1-ACEF-0FF004446314} ✓

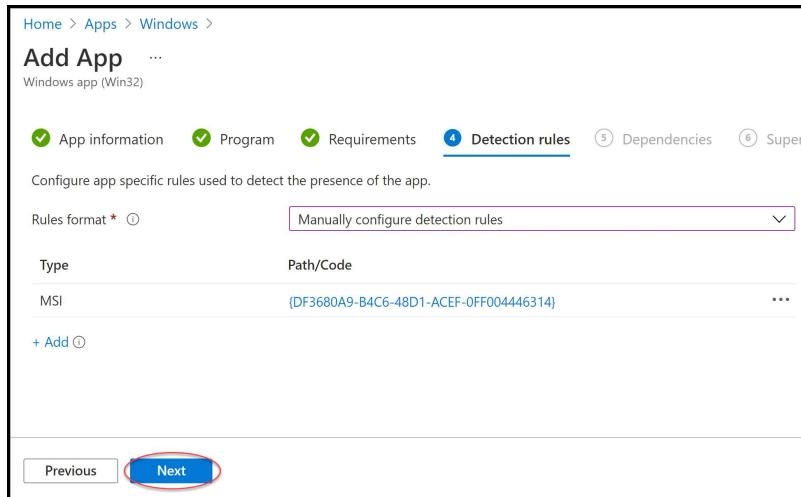
MSI product version check ⓘ Yes No

Operator * ⓘ Greater than or equal to ▼

Value * ⓘ 4.6.0.277 ✓

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update, so this point is does not needed.

Section 'Assignments'



The Dell Command Configure supports only Dell (Latitude, Optiplex, Precision and mobile XPS). This software does not need to install on all devices. It makes sense to have a dynamic group for device administrators.

| Option | Value |
|--------------------------------|-----------------------------------|
| Required | |
| Available for enrolled devices | Add group 'Device Administrators' |
| Uninstall | |

Click 'Next'

A screenshot of the 'Add App' configuration screen. The title is 'Add App ...' and the subtitle is 'Windows app (Win32)'. The 'Required' section shows 'Group mode' and 'Group'. The 'Available for enrolled devices' section shows 'Group mode' and 'Group'. Under 'Included', there is a plus sign icon followed by 'Included' and 'Device Administrators', which is circled in red. The 'Uninstall' section shows 'Group mode' and 'Group'. At the bottom, there are 'Previous' and 'Next' buttons, with 'Next' being highlighted with a red oval.

The app is now finished

Click 'Create'

Add App ...

Windows app (Win32)

✓ App information ✓ Program ✓ Requirements ✓ Detection rules ✓ Dependencies ✓

Summary

App information

| | |
|---|-----------------------------|
| App package file | Command_Configure.intunewin |
| Name | Dell Command Configure |
| Description | Dell Command Configure |
| Publisher | Dell Inc. |
| App Version | 4.6.0.277 |
| Category | -- |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |

Program

| | |
|-------------------|--|
| Install command | powershell.exe -executionpolicy bypass \\cleanup_intune_old_version_DCM_V1_0.ps1 |
| Uninstall command | msiexec /x '{DF3680A9-B4C6-48D1-ACEF-0FF004446314}' /q |

Create

Ready to work.

| Name | Type | Status | Version | Assigned |
|--------------------------|---------------------|--------|-----------|----------|
| Dell Command Configure | Windows app (Win32) | -- | 4.6.0.277 | Yes |

Dell Display Manager

Introduction

Dell Display Manager enhances everyday productivity through comprehensive management tools giving you optimal front of screen experience, efficient display management and easy, effortless multitasking.

With an improved Dell Display Manager, the ease of access and usability is further enhanced for the user. IT Managers will now be able to manage and control monitors remotely, improving overall productivity.

Knowledge Base Article: What is Dell Display Manager?

<https://www.dell.com/support/kbdoc/de-de/000060112/what-is-dell-display-manager?lang=en>

Prepare Dell Display Manager for MEM

Download the newest Version of Dell Display Manager from our website.

<https://www.delldisplaymanager.com/>



The folder includes a file named **ddmsetup.exe**. This file is needed to build the deployment package.



Generate a PowerShell Script for install and uninstall

Install script save as DDM_Install_V1_0.ps1

```
$StopDDMProcess = @()
$FolderExist = ""

Stop-Process -Name ddm -Force -ErrorVariable StopDDMProcess

If ($StopDDMProcess)
{
    Get-Item -Path 'C:\Program Files (x86)\Dell\Display Manager\unins000.exe' -ErrorVariable FolderExist

    If ($FolderExist)
    {
        <# This loop is for Display Manager does not exist on this machine#>
        Start-Process -FilePath "ddmsetup.exe" -ArgumentList '/verysilent /noupdate'
        Start-Sleep -Seconds 20
        Stop-Process -Name ddm
    }
    Else
    {
        <# This loop is for Display Manager exist on this machine and DDM is not running#>
        $myApp = Get-ChildItem -Path
HKLM:\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall | Get-ItemProperty | Where-Object
{$_.DisplayName -match "Dell Display Manager" } | Select-Object -ExpandProperty QuietUninstallString
        Start-Process cmd.exe -ArgumentList '/c',$myapp -wait -PassThru
        Start-Sleep -Seconds 20
        Start-Process -FilePath ".\ddmsetup.exe" -ArgumentList '/verysilent /noupdate'
        Start-Sleep -Seconds 20
        Stop-Process -Name ddm
    }
}
else
{
    <# This loop is for Display Manager exist on this machine and DDM is running#>
    $myApp = Get-ChildItem -Path HKLM:\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall |
Get-ItemProperty | Where-Object {$_.DisplayName -match "Dell Display Manager" } | Select-Object -ExpandProperty
QuietUninstallString
    Start-Process cmd.exe -ArgumentList '/c',$myapp -wait -PassThru
    Start-Sleep -Seconds 20
    Start-Process -FilePath ".\ddmsetup.exe" -ArgumentList '/verysilent /noupdate'
    Start-Sleep -Seconds 20
    Stop-Process -Name ddm
}
```

Uninstall script save as DDM_Uninstall_V1_0.ps1

```
$IDProcess = Get-Process | Where-Object {$_.ProcessName -like 'ddm'} | select -ExpandProperty ID
Stop-Process -Id $IDProcess -Force
$myApp = Get-ChildItem -Path HKLM:\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall |
Get-ItemProperty | Where-Object {$_.DisplayName -match "Dell Display Manager" } | Select-Object -ExpandProperty
QuietUninstallString
Start-Process cmd.exe -ArgumentList '/c',$myapp
Start-Sleep -Seconds 10
```

Save both scripts in the same folder where the **ddmsetup.exe** is stored.

| Name | Date modified | Type | Size |
|--|------------------|-------------------|----------|
| <input checked="" type="checkbox"/> DDM_Install_V1_0.ps1 | 15/11/2021 15:02 | Windows PowerS... | 2 KB |
| <input checked="" type="checkbox"/> DDM_uninstall_V1_0.ps1 | 19/11/2021 00:53 | Windows PowerS... | 1 KB |
|  ddmsetup.exe | 15/11/2021 14:55 | Application | 1.232 KB |

Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Dell Display Manager
Please specify the setup file: ddmsetup.exe
Please specify the output folder: C:\Dell\IntuneWin\Output\DisplayManager\1.54.0.2068
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.

| Name | Date modified | Type | Size |
|--------------------|------------------|----------------|----------|
| ddmsetup.intunewin | 18/11/2021 13:28 | INTUNEWIN File | 1.207 KB |

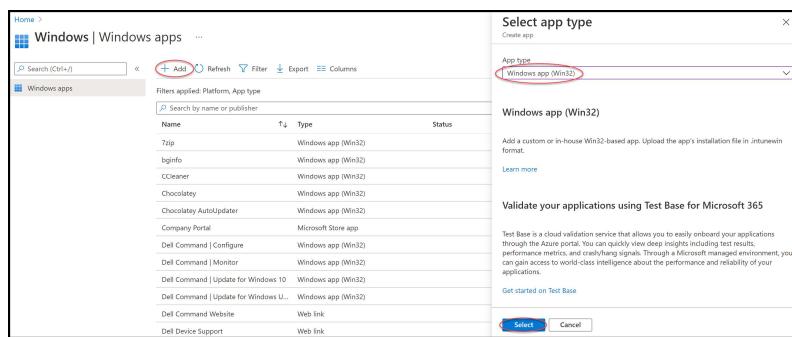
Import and Deployment settings Dell Display Manager for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

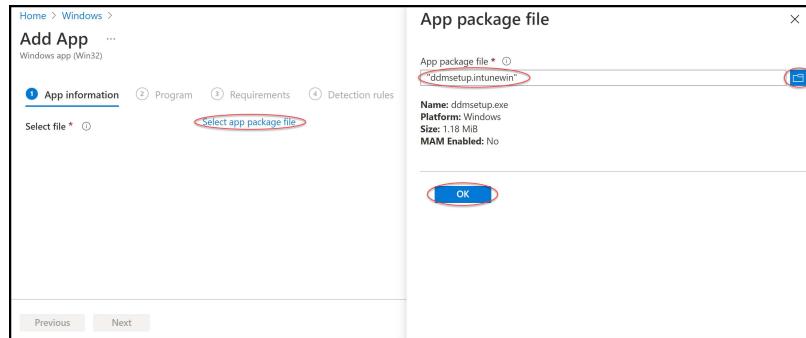


Click 'Select app package file'

Click 'Folder'

Select 'ddmsetupINTUNEWIN'

Click 'OK'



| Field | Value |
|---|--|
| Name | Dell Display Manager |
| Publisher | Dell Inc. |
| App Version | 1.54.0.2068 |
| | Note: Use version of the Dell Display Manager |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

Add App ...

Windows app (Win32)

1 App information **2 Program** **3 Requirements** **4 Detection rules** **5 Dependencies** **6 Supersede**

Select file * ddmsetup.intunewin

Name * Dell Display Manager

Description * ddmsetup.exe

Publisher * Dell Inc.

App Version 1.54.0.2068

Category 2 selected

Show this as a featured app in the Company Portal Yes No

Previous **Next**

Section 'Program'



| Field | Value |
|-------------------|---|
| Install command | powershell.exe -executionpolicy bypass .\\DDM_Install_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass .\\DDM_Uninstall_V1_0.ps1 |

Click 'Next'

A screenshot of the 'Add App' configuration screen. The 'Program' tab is active. The 'Install command' field contains 'powershell.exe -executionpolicy bypass .\\DDM_Install_V1_0.ps1'. The 'Uninstall command' field contains 'powershell.exe -executionpolicy bypass .\\DDM_Uninstall_V1_0.ps1'. The 'Install behavior' section is set to 'System'. The 'Device restart behavior' dropdown is set to 'App install may force a device restart'. Below, a table maps return codes to code types: 0 (Success), 1707 (Success), 3010 (Soft reboot), and 1641 (Hard reboot). The 'Next' button at the bottom is highlighted with a red circle.

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Supersedence (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-bit and 32-bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' Requirements page. Fields filled include 'Operating system architecture' (64-bit) and 'Minimum operating system' (Windows 10 1909). The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The tabs at the top are: App information, Program, Requirements, Detection rules (which is highlighted with a blue circle), Dependencies, Superseding (preview), Assignments, and Review + create.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there is a table with one row showing 'No rules are specified.' and a '+ Add' button. The '+ Add' button is circled in red.

| Field | Value |
|--|---|
| Rule type | Registry |
| Key path | HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall\{AC50C05D-9D57-40F5-B2EF-AC402F14312B}_is1 |
| Value name | DisplayVersion |
| Detection method | Version comparison |
| Operator | Greater than or equal to |
| Value | 1.54.2068 Note: Use version of your Dell Display Manager |
| Associated with a 32-bit app on 64-bit clients | Yes |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ Registry

Key path * ⓘ HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall\{AC50C05D-9D57-40F5-B2EF-AC402F14312B}_is1

Value name ⓘ DisplayVersion ✓

Detection method * ⓘ Version comparison ✓

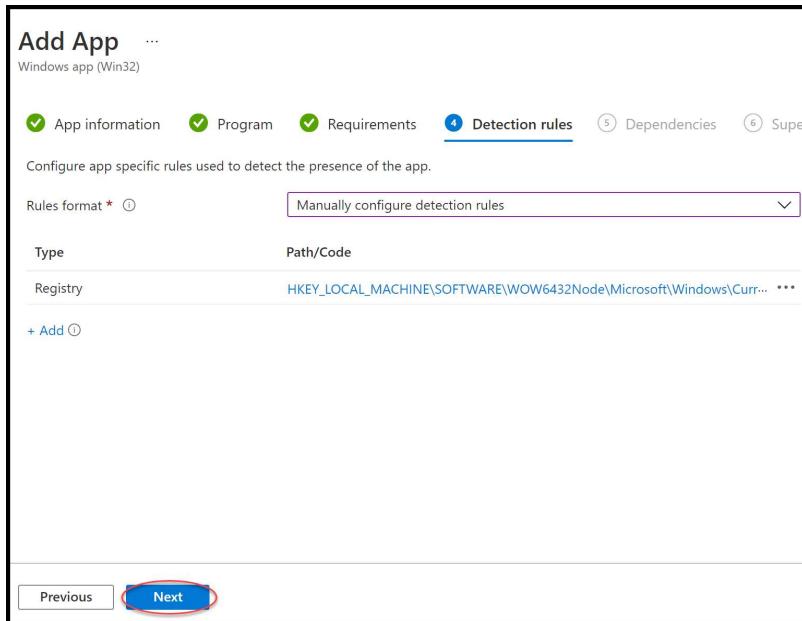
Operator * ⓘ Greater than or equal to ✓

Value * ⓘ 1.54.2068 ✓

Associated with a 32-bit app on 64-bit clients ⓘ Yes No

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update so this point is does not needed.

Section 'Assignments'

The screenshot shows the 'Assignments' tab highlighted in blue with a red oval around it. Other tabs visible include 'App information', 'Program', 'Requirements', 'Detection rules', 'Dependencies', 'Supersedence (preview)', and 'Review + create'.

The Dell Display Manager is working with Dell Displays only, it makes sense to have a dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--|
| Required | |
| Available for enrolled devices | Add group 'Dell Devices' and 'All users' |
| Uninstall | |

Click 'Next'

The screenshot shows the 'Add App' configuration page. The 'Available for enrolled devices' section is highlighted with a red oval around the 'Included' groups. It lists 'All users' and 'Dell Devices' under 'Group mode' and 'Group'. The 'Uninstall' section below it is also shown.

Required

Group mode Group
No assignments

+ Add group + Add all users + Add all devices

Available for enrolled devices

Group mode Group

(+) Included All users

(+) Included Dell Devices

+ Add group + Add all users

Uninstall

Group mode Group
No assignments

+ Add group + Add all users + Add all devices

Previous Next

The app is now finished

Click 'Create'

Add App ...

Windows app (Win32)

App information

| | |
|---|--|
| App package file | ddmsetup.intunewin |
| Name | Dell Display Manager |
| Description | ddmsetup.exe |
| Publisher | Dell Inc. |
| App Version | 1.54.0.2068 |
| Category | Dell Tools Productivity |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo |  |

Program

| | |
|-------------------|---|
| Install command | powershell.exe -executionpolicy bypass .\DDM_Install_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass .\DDM_Uninstall_V1_0.ps1 |
| Install behavior | System |

[Previous](#) [Create](#)

Ready to work.

Home > Apps >

Windows | Windows apps ...

Search (Ctrl+F) Add Refresh Filter Export Columns

Filters applied: Platform, App type

ddp

| Name | Type | Status | Version | Assigned |
|----------------------|---------------------|--------|-------------|----------|
| Dell Display Manager | Windows app (Win32) | No | 1.53.0.2065 | No |
| Dell Display Manager | Windows app (Win32) | No | 1.54.0.2068 | No |
| Dell Display Manager | Windows app (Win32) | Yes | 1.54.0.2068 | Yes |

Dell SupportAssist for Business PCs

Introduction

SupportAssist is a proactive and predictive technology that provides automated technical support for your Dell PCs. It enables IT administrators to manage their PC fleet from TechDirect anytime, anywhere.

When deployed, SupportAssist monitors each PC and proactively detects both hardware and software issues. Depending on your service plan, when an issue is detected, SupportAssist automatically opens a support case with technical support and sends you an email notification.

SupportAssist collects and sends the required information securely to Dell technical support. The collected information enables Dell to provide you with an enhanced, efficient, and accelerated support experience.

SupportAssist enables you to optimize your PC by removing unwanted files, optimizing network settings, tuning-up system performance, and removing viruses and malware. It also identifies driver updates available for your PC.

SupportAssist also collects telemetry, application experience, health, and security data proactively from your PCs and provides various performance insights about your PCs, based on your service plan.

After you have deployed SupportAssist on your PCs, you can manage the PC fleet using the Connect and manage service in TechDirect.

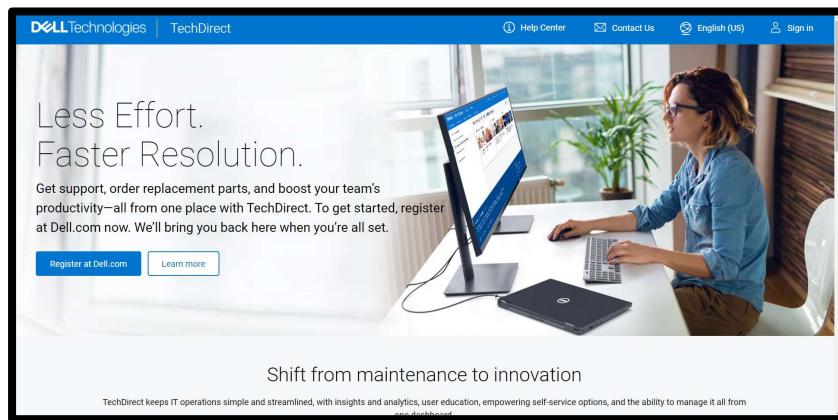
SupportAssist for Business PCs with Windows OS Administrator Guide

<https://www.dell.com/support/home/en-us/product-support/product/supportassist-business-pcs/docs>

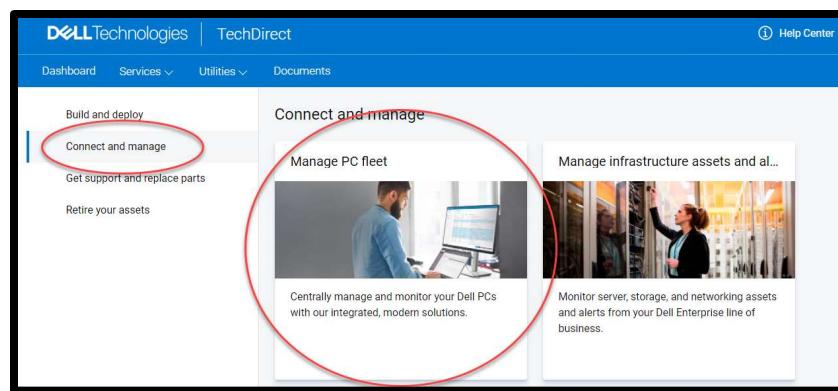
Prepare Dell SupportAssist for Business PCs for MEM

Download the newest Version of Dell SupportAssist for Business PCs from our website.

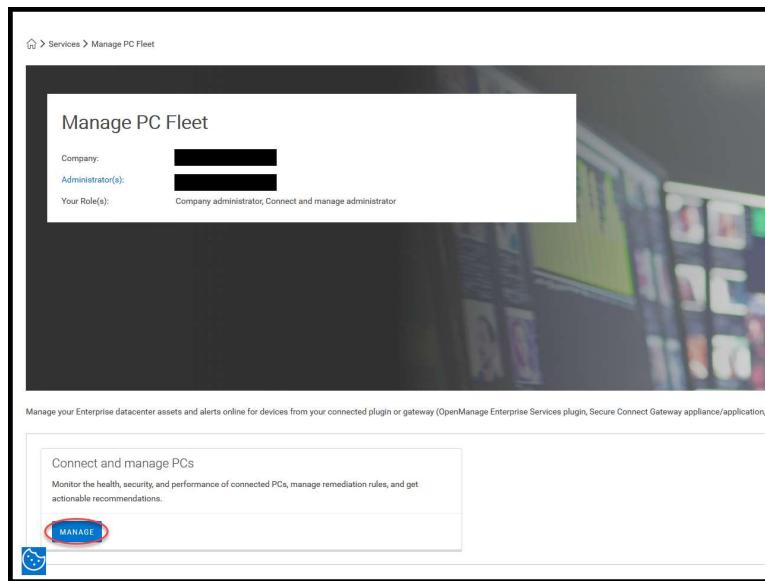
This requires a Dell TechDirect Account <https://techdirect.dell.com/>



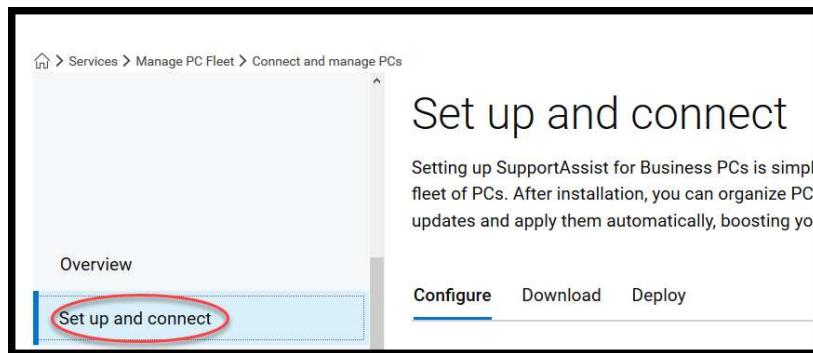
After Login move to Connect and Manage section and open Manage PC fleet.



Click 'Manage'

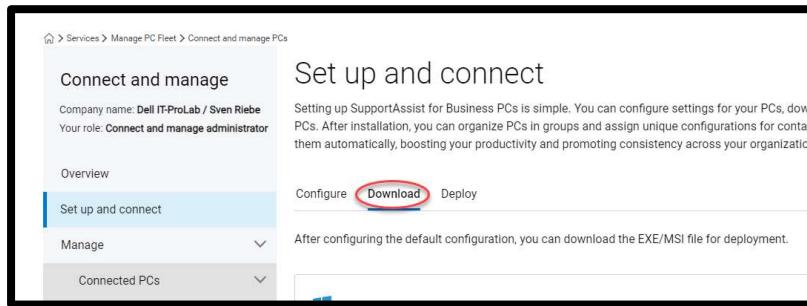


Click on Set up and connect



Configure Dell SupportAssist for Business first - please refer to the support documentation.
<https://www.dell.com/support/home/product-support/product/supportassist-business-pcs/docs>

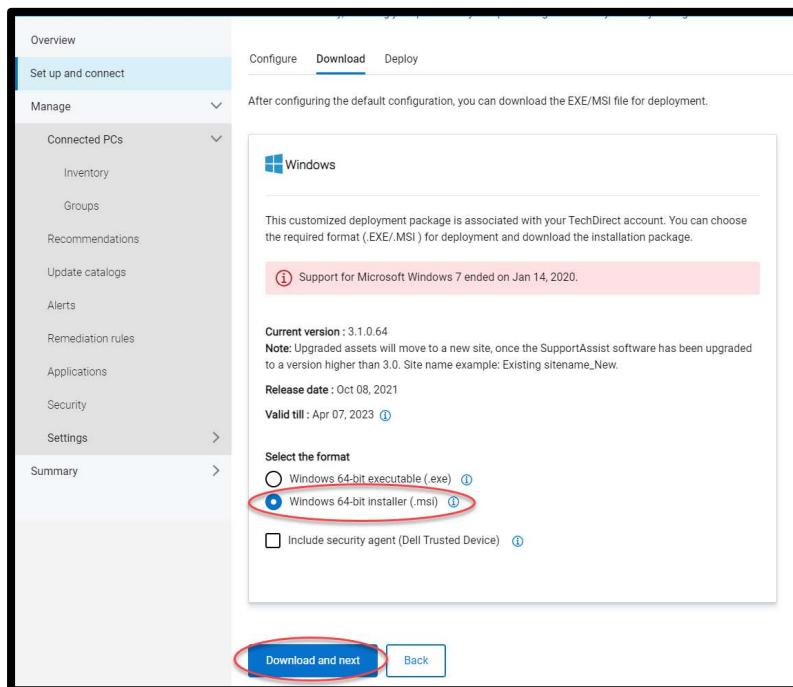
After you have fulfilled the configure section, you can download the software.



Download the Windows 64-bit Installer (.msi) now.

Choose Windows 64-bit installer (.msi)

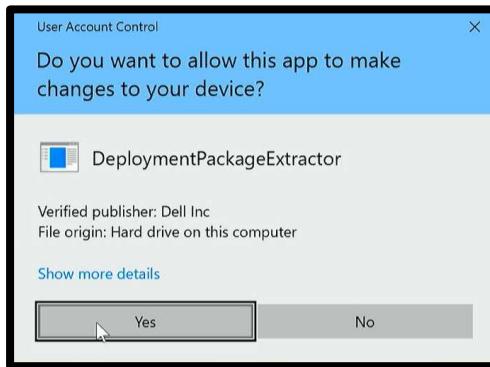
Click 'Download and next'



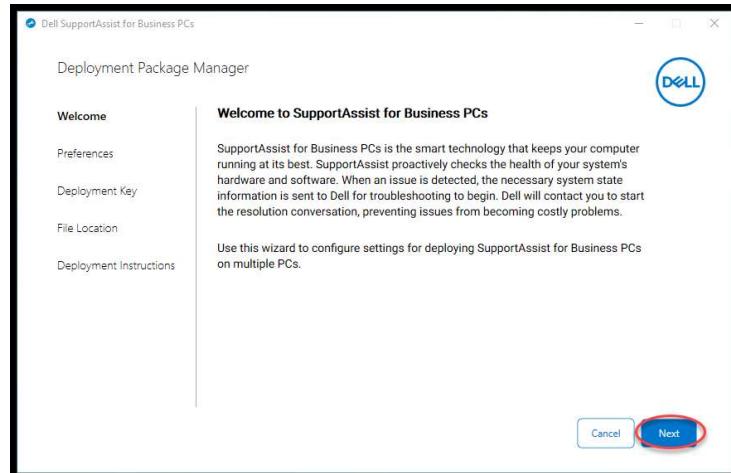
Go to your download folder and check for this file: SupportAssistExtractorx64.exe



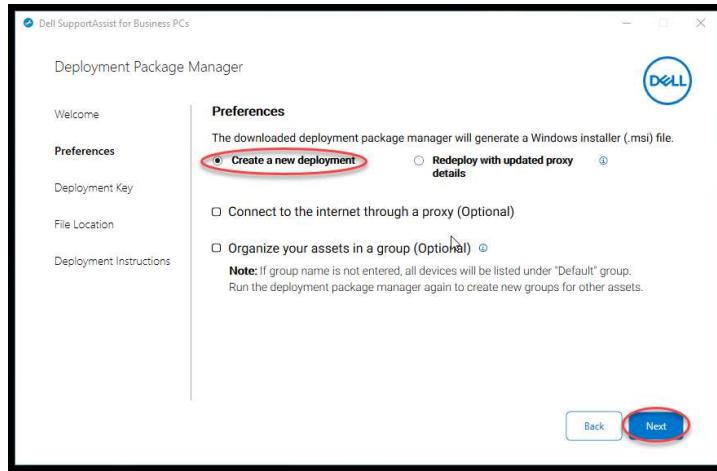
Start this file with administrator rights



Prepare the MSI and MST for the deployment.
Click 'Next'

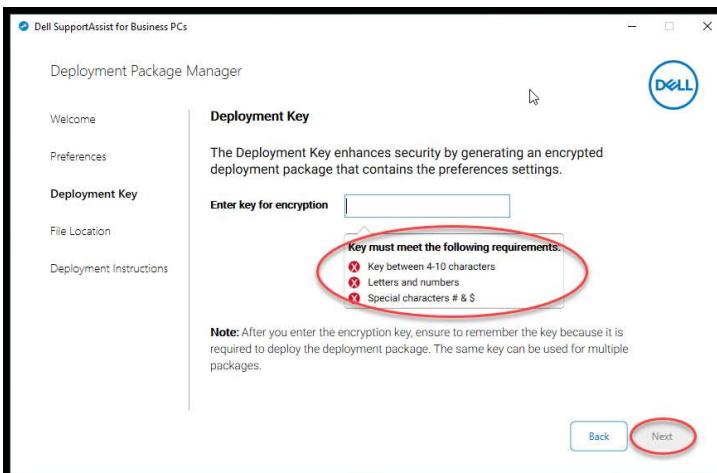


Select 'Create a new deployment'
Click 'Next'

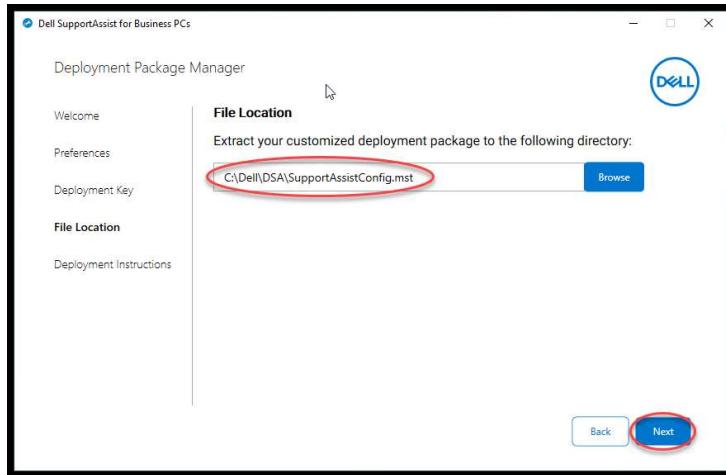


Note: For the deployment you need to setup a password (4-10 characters using numbers, letters, and special characters).

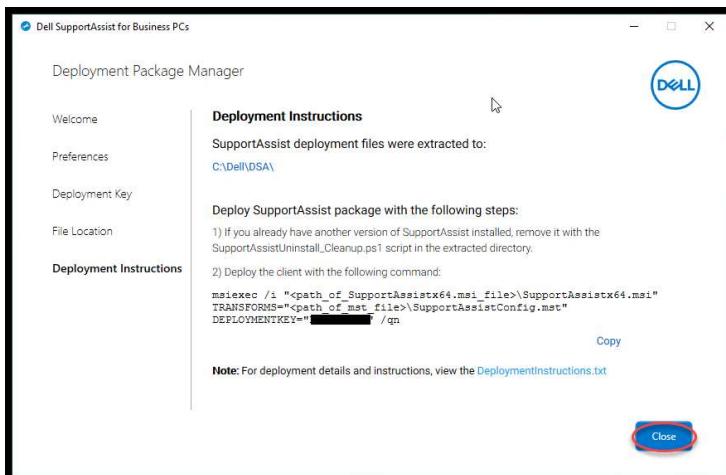
Click 'Next'



Choose the path where the installer should be saved, e.g., C:\Dell\DSA
Click 'Next'



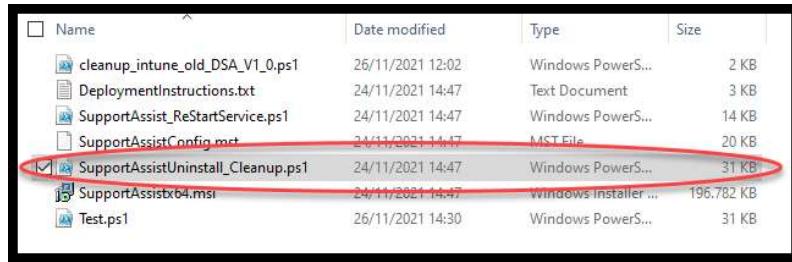
Final Summary.
Click 'Close'



The folder includes all install and uninstall files for the deployment.

| Name | Date modified | Type | Size |
|------------------------------------|------------------|---------------------------|------------|
| DeploymentInstructions.txt | 16/11/2021 10:30 | Text Document | 3 KB |
| SupportAssist_ReStartService.ps1 | 16/11/2021 10:21 | Windows PowerShell Script | 14 KB |
| SupportAssistConfig.mst | 16/11/2021 10:29 | MST File | 20 KB |
| SupportAssistUninstall_Cleanup.ps1 | 16/11/2021 10:21 | Windows PowerShell Script | 31 KB |
| SupportAssistx64.msi | 16/11/2021 03:02 | Windows Installer File | 195,434 KB |

Generate an install script by copy 'SupportAssistUninstall_Cleanup.ps1' and rename file to 'cleanup_intune_old_DSA_V1_0.ps1'



Now edit 'cleanup_intune_old_DSA_V1_0.ps1' with Notepad or Powershell ISE

| Line | Value |
|---------|---|
| 57 | DSA Business |
| 427-432 | <pre>Function DSABusiness { write-output "Install MSI Business Version" msieexec /i "SupportAssistx64.msi" TRANSFORMS="SupportAssistConfig.mst" DEPLOYMENTKEY="Your Password" /qn Start-Sleep -Seconds 45 }</pre> |

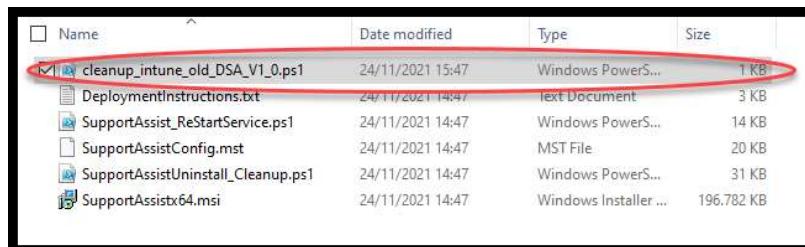
| | |
|--|---|
| 55 56 57 58 59 60 61 | ShortcutsDeletion DSABusiness \$script:CurrentSAPkgID=0 |
|--|---|

```

424 } | [Runtime.InteropServices.Marshal]::ReleaseComObject($shell) | Out-Null
425
426
427 Function DSABusiness
428 {
429     Write-Output "Install MSI Business Version"
430     msieexec /i "SupportAssistx64.msi" TRANSFORMS="SupportAssistConfig.mst" DEPLOYMENTKEY="Your Password" /qn
431     Start-Sleep -Seconds 45
432 }
433
434 StartSupportAssistCleanup
435 # SIG # Begin signature block

```

Save script in same folder how the SupportAssist installer files was stored.



Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\DSA\3.1.0.64
Please specify the setup file: SupportAssistx64.msi
Please specify the output folder: C:\Dell\IntuneWin\Output\DSA\3.1.0.64
Do you want to specify catalog folder (Y/N)?n
```

MEM is now prepared and ready for installation by MEM.

| Name | Date modified | Type | Size |
|----------------------------|------------------|----------------|------------|
| SupportAssistx64.intunewin | 22/11/2021 15:42 | INTUNEWIN File | 188.407 KB |

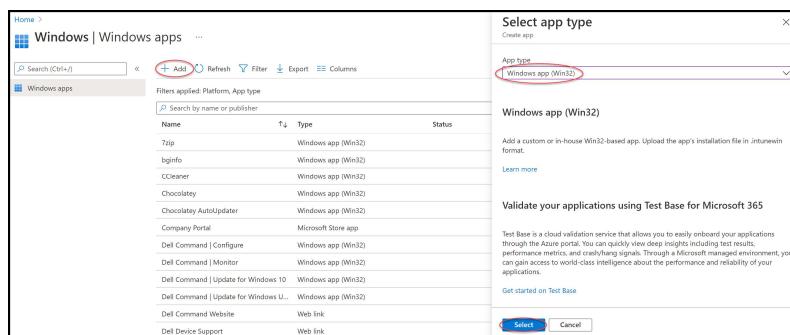
Import and Deployment settings Dell SupportAssist for Business PCs for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

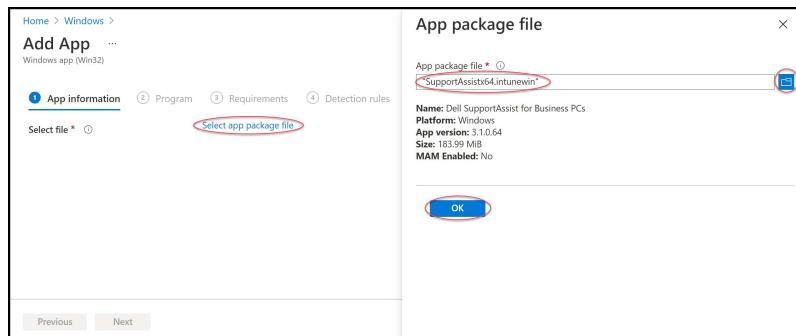


Click 'Select app package file'

Click 'Folder'

Select '**SupportAssistx64.intunewin**'

Click 'OK'



| Field | Value |
|---|-----------|
| Publisher | Dell Inc. |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

The screenshot shows the 'Add App' interface. The 'App information' tab is active. The 'Publisher' field contains 'Dell Inc.' and has a red circle around it. The 'Show this as a featured app in the Company Portal' checkbox is checked ('Yes') and also has a red circle around it. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Program'

| Field | Value |
|-------------------|---|
| Install command | powershell.exe -executionpolicy bypass -file .\cleanup_intune_old_DSA_V1_0.ps1 |
| Uninstall command | powershell.exe -executionpolicy bypass -file .\SupportAssistUninstall_Cleanup.ps1 |

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab highlighted. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Supersedence (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' Requirements page. It has fields for 'Operating system architecture' (set to '64-bit') and 'Minimum operating system' (set to 'Windows 10 1909'). Below these, there are fields for 'Disk space required (MB)', 'Physical memory required (MB)', 'Minimum number of logical processors required', and 'Minimum CPU speed required (MHz)'. A section for 'Configure additional requirement rules' is present but empty. At the bottom, there are 'Previous' and 'Next' buttons, with the 'Next' button highlighted by a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The tabs at the top are: App information, Program, Requirements, Detection rules (which is highlighted with a blue circle), Dependencies, Superseding (preview), Assignments, and Review + create.

| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there is a table with one row showing 'No rules are specified.' and a '+ Add' button. The '+ Add' button is circled in red.

| Field | Value |
|--|---|
| Rule type | Registry |
| Key path | HKEY_LOCAL_MACHINE\SOFTWARE\DELL\SupportAssistBusinessClient |
| Value name | Version |
| Detection method | Version comparison |
| Operator | Greater than or equal to |
| Value | 3.1.0.64 Note: Use version of your Dell SupportAssist |
| Associated with a 32-bit app on 64-bit clients | No |

Click 'OK'

Detection rule

Create a rule that indicates the presence of the app.

Rule type * ⓘ Registry

Key path * ⓘ HKEY_LOCAL_MACHINE\SOFTWARE\DELL\SupportAssis...

Value name ⓘ Version

Detection method * ⓘ Version comparison

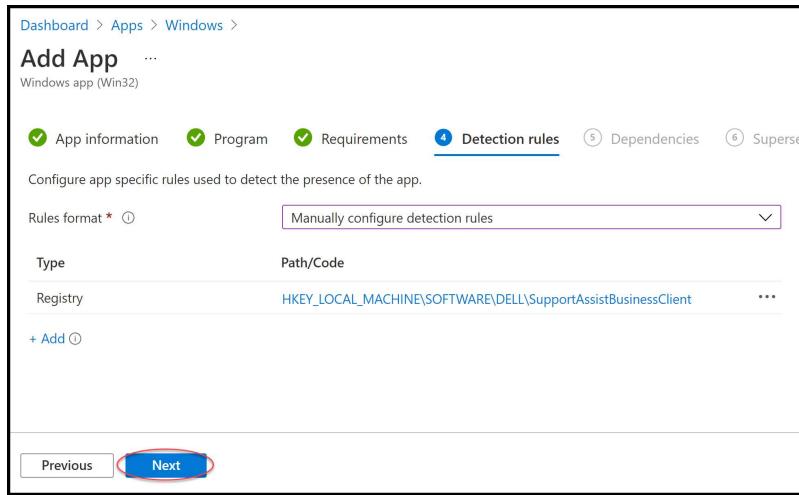
Operator * ⓘ Greater than or equal to

Value * ⓘ 3.1.0.64

Associated with a 32-bit app on 64-bit clients ⓘ Yes No

OK

Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have an existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update, so this point is does not needed.

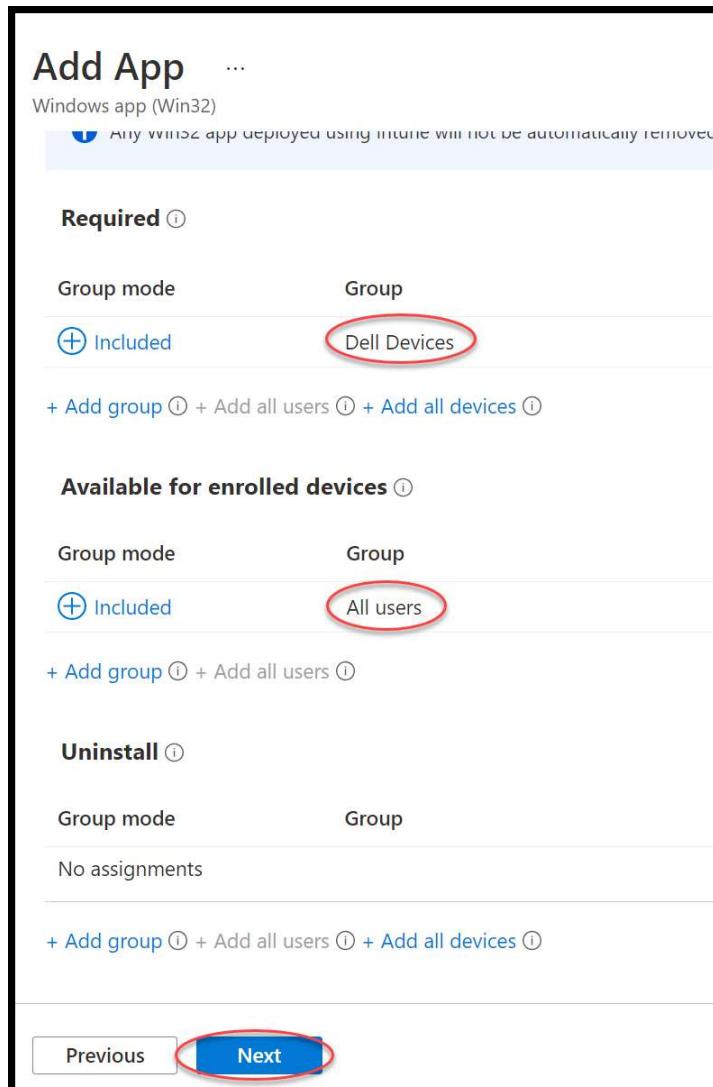
Section 'Assignments'



The Dell SupportAssist supports only Dell (Latitude, Optiplex, Precision and mobile XPS) it makes sense to have da dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|--------------------------|
| Required | Add group 'Dell Devices' |
| Available for enrolled devices | Add group 'All users' |
| Uninstall | |

Click 'Next'



The app is now finished

Click 'Create'

Add App ...

Windows app (Win32)

App information

| | |
|---|-------------------------------------|
| App package file | SupportAssistx64.intunewin |
| Name | Dell SupportAssist for Business PCs |
| Description | Dell SupportAssist for Business PCs |
| Publisher | Dell Inc. |
| App Version | 3.1.0.64 |
| Category | Dell Tools Computer Management |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |

Program

| | |
|-------------------------|---|
| Install command | msiexec /i "SupportAssistx64.msi" TRANSFORMS="SupportAssistConfig.mst" DEPLOYMENTKEY="Dell2021#" /qn |
| Uninstall command | powershell.exe -executionpolicy bypass -file SupportAssistUninstall_Cleanup.ps1 |
| Install behavior | System |
| Device restart behavior | App install may force a device restart |
| Return codes | 0 Success |

[Previous](#) [Create](#)

Ready to work.

| Windows Windows apps ... | | | | | |
|---|---------------------|--------------|----------|----------|--------|
| Search (Ctrl+F) | | Add | Refresh | Filter | Export |
| Windows apps | | | | | |
| Filter applied: Platform, App type | | | | | |
| <input checked="" type="checkbox"/> support | | | | | |
| Name | Type | Status | Version | Assigned | |
| Dell Device Support | Web link | Not assigned | 3.1.0.64 | Yes | |
| Dell SupportAssist for Business PCs | Windows app (Win32) | Not assigned | 3.1.0.64 | Yes | |
| Dell SupportAssist for Business PCs | Windows app (Win32) | Not assigned | 3.0.0.54 | Yes | |

Dell Optimizer

Introduction

Dell Optimizer is a software application that intelligently optimizes the performance of your system by using artificial intelligence and machine learning. Dell Optimizer dynamically configures your system settings to optimize the performance of your applications. It improves productivity, performance, and user experience through system usage analysis and learning.

On Dell Precision workstations, Dell Optimizer for Precision includes analytics feature that collects extensive data about your system and helps identify potential issues.

Dell Optimizer Version 2.0 User's Guide

<https://www.dell.com/support/home/en-us/product-support/product/dell-optimizer/docs>

Prepare Dell Optimizer for MEM

Download the newest Version of Dell Optimizer from our website.

<https://www.dell.com/support/home/en-us/product-support/product/dell-optimizer/drivers>

If you have downloaded the file from dell.com/support:

Go to the download folder and find the installer file **Dell-Optimizer_PKGID_Win_Version_Rev.exe**

| Name | Date modified | Type | Size |
|--|------------------|-------------|------------|
| Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.EXE | 16/11/2021 13:23 | Application | 121.513 KB |

Generate an uninstall script **DO_intune_uninstall_V1_0.ps1**

```
$myApp = Get-ChildItem -Path HKLM:\SOFTWARE\WOW6432Node\Microsoft\Windows\CurrentVersion\Uninstall |  
Get-ItemProperty | Where-Object {$_.DisplayName -match "Dell Optimizer Service"} | Select-Object -  
ExpandProperty UninstallString  
Start-Process cmd.exe -ArgumentList '/c','$myapp -silent'  
get-AppxPackage *DellOptimizer* -AllUsers | Remove-AppxPackage -AllUsers  
Start-Sleep -Seconds 120
```

Save script in same folder where the **Dell-Optimizer_PKGID_Win_Version_Rev.exe** is stored

| Name | Date modified | Type | Size |
|---------------------------------------|------------------|-------------------|------------|
| Dell-Optimizer_TD34P_WIN_2.0.753.0... | 22/11/2021 12:14 | Application | 121.513 KB |
| DO_intune_uninstall_V1_0.ps1 | 24/11/2021 11:44 | Windows PowerS... | 1 KB |

Start the Microsoft Win32 Content Prep Tool (aka MEMAppUtil.exe). In case you are not familiar with this tool, you will find documentation here: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

| Argument | Value |
|---------------|---|
| Source Folder | folder where you have stored the unzipped MSI |
| Setup file | Main installer file like msi/exe/ps1, etc. |
| Output Folder | where you want to store the IntuneWin |

```
Please specify the source folder: C:\Dell\IntuneWin\Input\Dell Optimizer\2.0.753.0
Please specify the setup file: Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.EXE
Please specify the output folder: C:\Dell\IntuneWin\Output\Optimizer\2.0.753.0
Do you want to specify catalog folder (Y/N)?n
```

MEM's are now prepared and ready for installation by MEM.

| Name | Date modified | Type | Size |
|--|------------------|----------------|------------|
| Dell-Optimizer_TD34P_WIN_2.0.753.0.... | 18/11/2021 13:28 | INTUNEWIN File | 116.806 KB |

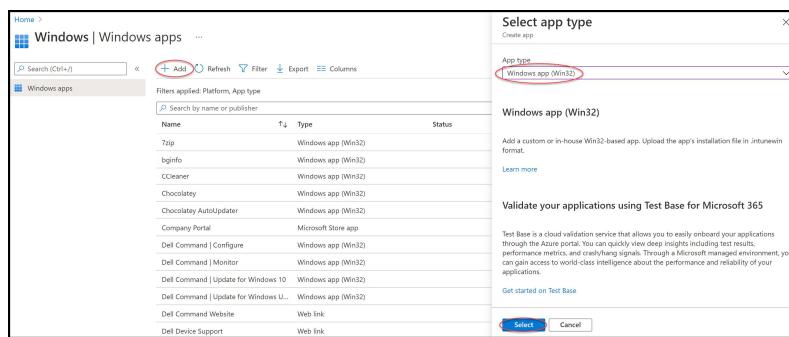
Import and Deployment settings Dell Optimizer for MEM

Click 'Add'

| Field | Value |
|---------------|---------------------|
| Source Folder | Windows app (Win32) |

Click 'Select'

Select Windows app (Win32) as application.



Section 'App information'

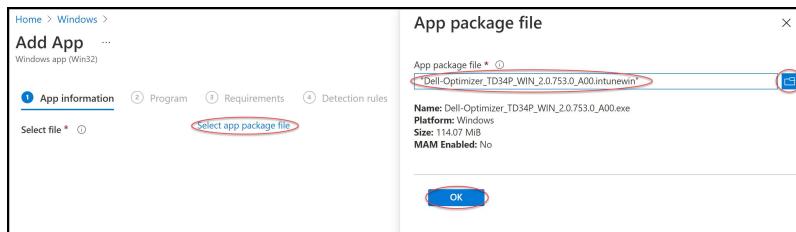


Click 'Select app package file'

Click 'Folder'

Select '**Dell-Optimizer_TD34P_WIN_2.0.753.0_A00INTUNEWIN**'

Click 'OK'



| Field | Value |
|---|----------------|
| Name | Dell Optimizer |
| Publisher | Dell Inc. |
| App Version | 2.0.753.0 |
| Show this as a featured app in the Company Portal | Yes |

Click 'Next'

Add App ...

Windows app (Win32)

(1) App information (2) Program (3) Requirements (4) Detection rules (5) Dependencies (6) Superseded

Select file * (1)

Name * (1) Dell Optimizer

Description * (1) Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.exe

Edit Description

Publisher * (1) Dell Inc.

App Version (1) 2.0.753.0

Category (1) 3 selected

Show this as a featured app in the Company Portal (1) Yes (highlighted with a red circle)

Information URL (1) Enter a valid url

Previous Next (highlighted with a red circle)

Section 'Program'

The screenshot shows the 'Program' tab selected in the 'Add App' interface. The tab bar includes 'App information', 'Program' (highlighted), 'Requirements', 'Detection rules', 'Dependencies', 'Supersedeance (preview)', 'Assignments', and 'Review + create'. The main area displays the configuration for the Dell-Optimizer app.

| Field | Value |
|-------------------|---|
| Install command | Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.exe /s |
| Uninstall command | powershell.exe -executionpolicy bypass .\\DO_intune_uninstall_V1_0.ps1 |

Click 'Next'

The screenshot shows the 'Program' configuration screen. The 'Install command' field contains 'Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.exe /s' and the 'Uninstall command' field contains 'powershell.exe -executionpolicy bypass .\\DO_intune_uninstall_V1_0.ps1'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Requirements'

The screenshot shows the 'Add App' interface with the 'Requirements' tab selected. Other tabs like 'App information', 'Program', 'Detection rules', 'Dependencies', 'Superseding (preview)', 'Assignments', and 'Review + create' are also visible.

| Field | Value |
|-------------------------------|--|
| Operating system architecture | 64-Bit |
| Minimum operating system | 1909 (Please note Dell support drivers and software only with the latest Win version + N -2) |

Click 'Next'

The screenshot shows the 'Add App' Requirements step. The 'Requirements' tab is selected. The 'Operating system architecture' field is set to '64-bit' and the 'Minimum operating system' field is set to 'Windows 10 1909'. The 'Next' button at the bottom is highlighted with a red circle.

Section 'Detection rules'

The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The tabs at the top are: App information, Program, Requirements, Detection rules (which is highlighted with a blue circle), Dependencies, Superseding (preview), Assignments, and Review + create.

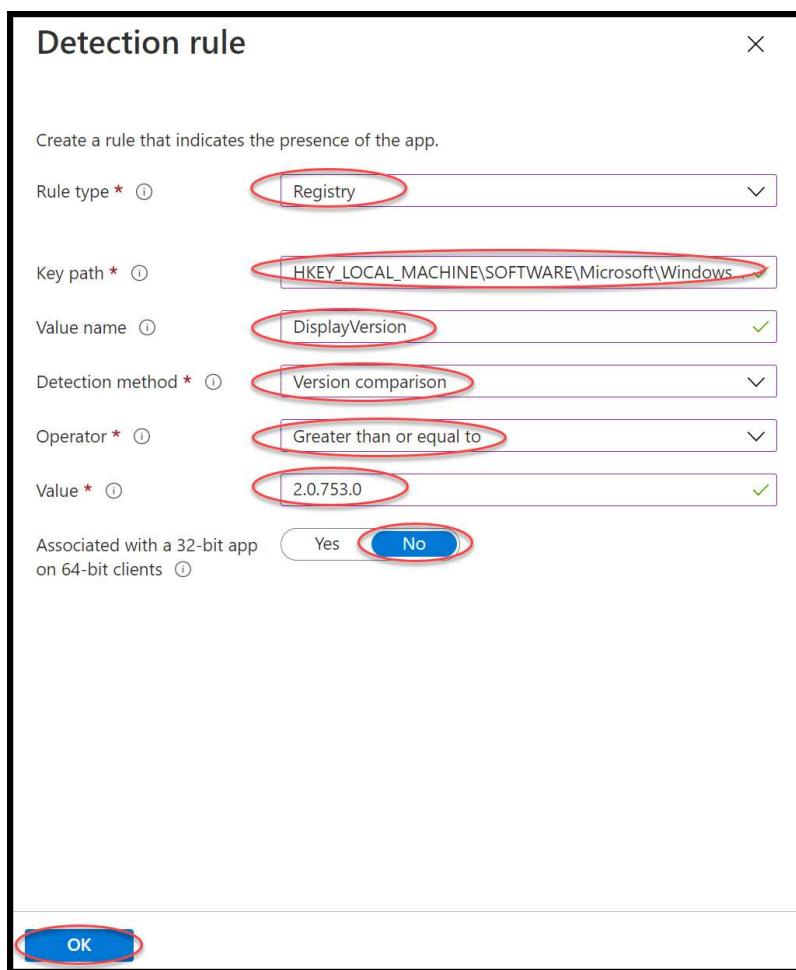
| Field | Value |
|--------------|------------------------------------|
| Rules format | Manually configure detection rules |

Click 'Add'

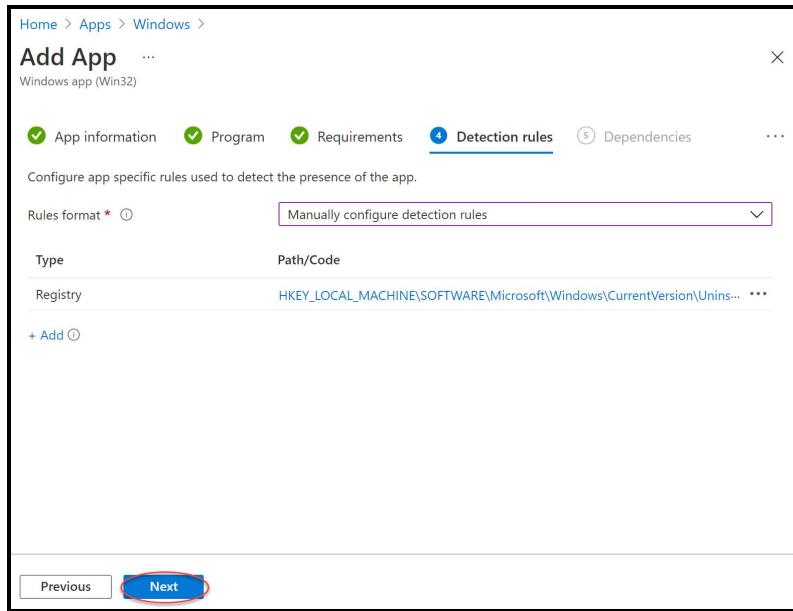
The screenshot shows the 'Add App' interface with the 'Detection rules' tab selected. The 'Rules format' dropdown is set to 'Manually configure detection rules'. Below it, there is a table with one row showing 'No rules are specified.' and a '+ Add' button. The '+ Add' button is circled in red.

| Field | Value |
|--|---|
| Rule type | Registry |
| Key path | HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\{1344E072-D68B-48FF-BD2A-C1CCCC511A50} |
| Value | DisplayVersion |
| Detection method | Version comparison |
| Operator | Greater than or equal to |
| Value | 2.0.753.0 Note: Use version of your Dell Optimizer |
| Associated with a 32-bit app on 64-bit clients | No |

Click 'OK'



Click 'Next'



Section 'Dependencies'



No changes

Section 'Supersedence'



No changes

Note: If you have existing version of this software you can select this previous version here to uninstall before this soft package be installed. All install instructions are tested for Install/Uninstall and Update, so this point is does not needed.

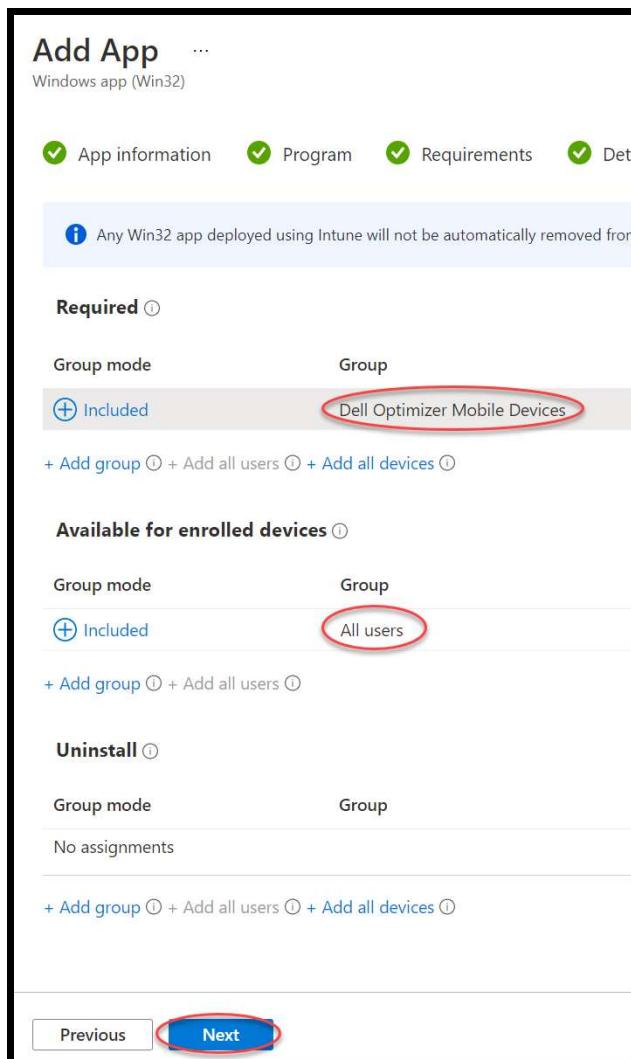
Section 'Assignments'



The Dell Optimizer supports only Dell (Latitude, Optiplex, Precision and mobile XPS with Intel Core CPU 11G and newer) it makes sense to have a dynamic group which only incl. these systems.

| Option | Value |
|--------------------------------|---|
| Required | Add group 'Dell Optimizer Mobile Devices' |
| Available for enrolled devices | Add group 'All user' |
| Uninstall | |

Click 'Next'



The app is now finished

Click 'Create'

Add App ...

Windows app (Win32)

App information

| | |
|---|---|
| App package file | Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.intunewin |
| Name | Dell Optimizer |
| Description | Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.exe |
| Publisher | Dell Inc. |
| App Version | 2.0.753.0 |
| Category | Dell Tools Productivity Computer Management |
| Show this as a featured app in the Company Portal | Yes |
| Information URL | -- |
| Privacy URL | -- |
| Developer | -- |
| Owner | -- |
| Notes | -- |
| Logo | -- |

Program

| | |
|-------------------------|---|
| Install command | Dell-Optimizer_TD34P_WIN_2.0.753.0_A00.exe / |
| Uninstall command | powershell.exe -executionpolicy bypass .\DO_intune_uninstall_V1_0.ps1 |
| Install behavior | System |
| Device restart behavior | App install may force a device restart |
| Return codes | 0 Success 1707 Success |

Buttons: Previous **Create** (The 'Create' button is circled in red)

Ready to work.

Windows | Windows apps ...

+ Add ⌂ Refresh ⌄ Filter ⌂ Export ⌂ Columns

Filters applied: Platform, App type

| Name | Type | Status | Version | Assigned |
|------------------------|---------------------|-----------|---------|----------|
| Dell Optimizer | Windows app (Win32) | 2.0.753.0 | | Yes |
| Dell Optimizer App | Windows app (Win32) | 2.0.851.0 | | No |
| Dell Optimizer Service | Windows app (Win32) | 2.0.851.0 | | No |

References

IntuneWin Repository (**unsupported, use on your own support/risk**)

https://riebelab-my.sharepoint.com/:f/g/personal/sven_riebe_riebelab_onmicrosoft_com/EtnTR14pJxdLmAvyhlJncScBH6YRXupVXH64z5G62xAOeQ?e=ci7oIL

Microsoft IntuneWin converter

<https://docs.microsoft.com/en-us/mem/intune/apps/apps-win32-prepare>

Dell Trusted Device Agent

<https://www.dell.com/support/home/en-us/product-support/product/trusted-device/docs>

<https://www.dell.com/support/home/en-us/product-support/product/trusted-device/drivers>

Dell | Command Power Manager

<https://www.dell.com/support/home/en-us/product-support/product/dell-command-power-manager/docs>

<https://www.dell.com/support/home/en-us/product-support/product/power-manager/drivers>

Dell Command | Update

<https://www.dell.com/support/home/en-us/product-support/product/command-update/docs>

<https://www.dell.com/support/home/en-us/product-support/product/command-update/drivers>

Dell Command | Monitor

<https://www.dell.com/support/home/en-us/product-support/product/command-monitor/docs>

<https://www.dell.com/support/home/en-us/product-support/product/command-monitor/drivers>

Dell Command | Configure

<https://www.dell.com/support/home/en-us/product-support/product/command-configure/docs>

<https://www.dell.com/support/home/en-us/product-support/product/command-configure/drivers>

Dell Display Manager

<https://www.dell.com/support/kbdoc/de-de/000060112/what-is-dell-display-manager?lang=en>

<https://www.delldisplaymanager.com/>

SupportAssist for Business PCs

<https://www.dell.com/support/home/en-us/product-support/product/supportassist-business-pcs/docs>

<https://techdirect.dell.com/>

Dell Optimizer

<https://www.dell.com/support/home/en-us/product-support/product/dell-optimizer/docs>

<https://www.dell.com/support/home/en-us/product-support/product/dell-optimizer/drivers>