



Lenovo V1.0 Device Intelligence Microsoft InTune User Guide

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Lenovo

V1.0 Device Intelligence Microsoft In Tune
User Guide



Lenovo Device Intelligence Microsoft In Tune
Quick Start Guide

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V1.0 Device Intelligence Microsoft In Tune

Title of the Document	Configuring Microsoft In Tune to Deploy LDI Provisioning Package on Devices
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Chapter 1: Introduction

The Lenovo Device Intelligence (LDI) In Tune Quick Start Guide allows you to enroll your device in LDI using Microsoft In Tune. This guide provides you an overview of steps to follow to enroll devices.

Note: You must have an AAD account to enroll your device in In Tune.



Purpose

You can configure Microsoft In Tune to install the LDI Provisioning Package on all the devices in your organization and register them as per Service License Agreement between your organization and LDI Solutions. Instead of downloading Provisioning package on each device you can use Microsoft In Tune to run it on the entire fleet of device. This saves your time and effort.

Prerequisite

Download the LDI Provisioning Package on the device you want to configure Microsoft In Tune onto and deploy the package on the entire fleet of devices in your organization. Refer Quick Start Setup Guide to download and install the package.

Chapter 2: Configure Microsoft In Tune to Deploy LDI Provisioning Package

LDI agent is distributed as a single exe Innu Setup file or as a zip archive with Universal Device Client (UDC)

agent and jot client. Once you create the .Intune win package, you can upload and deploy/assign the application using In Tune console.

Create .Intune win Package

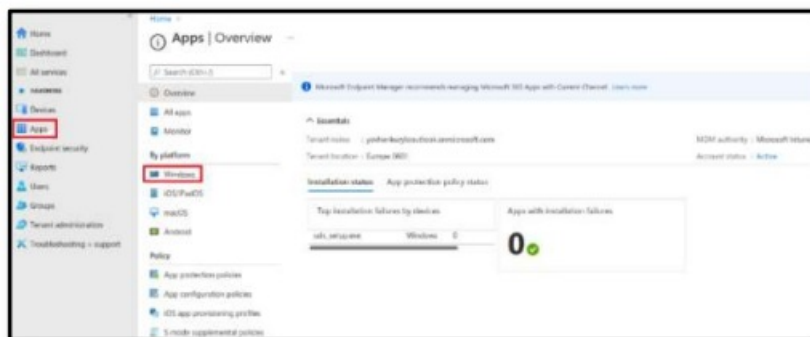
1. Log in to LDI.
2. Select Help & Resources → Instructions & Agents.
3. In the Download Provisioning Pack section, select values from the Maximum Usage and Installer Expiration drop-down lists.
4. Click Download Pack.
5. Unzip the udc_setup.exe file.
6. Convert exe file into .Intune win package. Create a new folder and copy the received installer file in that folder. Then, install and run IntuneWinAppUtil tool with the following parameters: IntuneWinAppUtil -c <created input folder with exe file> -s <exe installer> -o <output folder>. This command generates .Intune win file in the output folder. For example:

```
PS C:\> .\IntuneWinAppUtil.exe -c .\udc_setup\ -s .\udc_setup\udc_setup.exe -o .\output\
INFO validating parameters
INFO Validated parameters within 51 milliseconds
INFO Compressing the source folder '.\udc_setup\' to 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\IntunePackage.IntuneWin'
INFO Calculated size for folder '.\udc_setup\' is 11366498 within 1 milliseconds
INFO Compressed folder '.\udc_setup\' successfully within 886 milliseconds
INFO Checking file type
INFO Checked file type within 4 milliseconds
INFO Encrypting file 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\IntunePackage.IntuneWin'
INFO 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\IntunePackage.IntuneWin' has been encrypted successfully within 48 milliseconds
INFO Computing SHA256 hash for 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\7154b917-43d2-4343-aidc-f7aaceb28b7'
INFO Computed SHA256 hash for 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\7154b917-43d2-4343-aidc-f7aaceb28b7' within 180 milliseconds
INFO Computing SHA256 hash for 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\IntunePackage.IntuneWin'
INFO Copying encrypted file from 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\7154b917-43d2-4343-aidc-f7aaceb28b7' to 'C:\Users\User\AppData\Local\Temp\b4576a62-6a93-453d-8727-48f159dc0631\IntuneWinPackage\Contents\IntunePackage.IntuneWin'

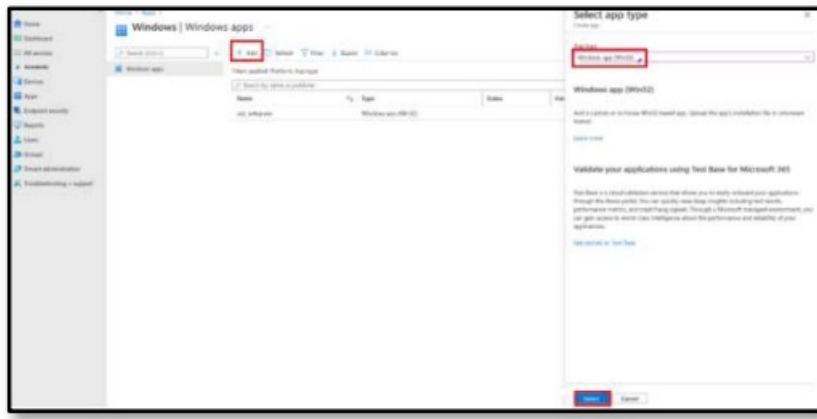
[=====] 100%
INFO Done!!!
PS C:\>
```

Chapter 3: Create and Add Windows Application to In Tune

1. Log in to In Tune console and select Apps, then select Windows platform.



2. Click Add and select Windows app (Win32) App type, and then click Select.



3. Select .Intune win package file.



4. Provide required app information.

5. Provide application install and uninstall commands. Install command: `udc_setup.exe /VERYSILENT /NORESTART` Uninstall command:

`C:\Windows\System32\drivers\Lenovo\udc\Data\InfBackup\UDCInfInstaller.exe` uninstall

Home > Apps > Windows > Add App

Windows app (32-bit)

App information | **Program** | Requirements | Detection rules | Dependencies | Supersession

Specify the commands to install and uninstall this app.

Initial command *

Uninstall command *

Install behavior

Device restart behavior

Specify return codes to indicate post-installation behavior:

Return code	Code type
0	Success
1707	Success
1607	Soft reboot
1641	Hard reboot
1618	Retry

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6. Provide requirements for the application.

Notes:

- Operating system architecture requirement is 32-bit or 64-bit. You can select both. Minimum operating system is Windows 10 1607.
- You can also provide optional requirements such as disc space, number of processors, etc.

Add App

Windows app (32-bit)

App information | Program | **Requirements** | Detection rules | Dependencies | Supersession (Preview)

Specify the requirements that devices must meet before the app is installed:

Operating system architecture *

Minimum operating system *

Disk space required (MB)

Physical memory required (MB)

Minimum number of logical processors required

Minimum CPU speed required (MHz)

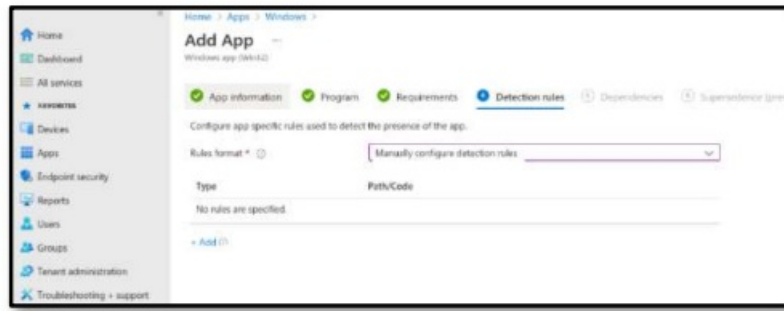
Configure additional requirement rules:

Type	Path/Script
No requirements are specified.	

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7. Select a detection rule from the Rules format drop-down list. These rules allow you to detect if application is installed or not. You can select manually configured rules or custom detection script.



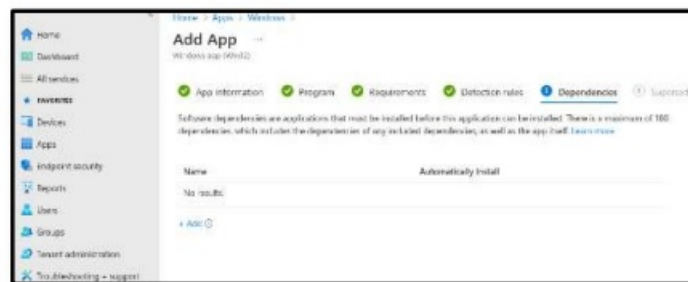
Note: The following are manually detection rules:

- **MSI** – Detects by MSI product code
- **File** – This rule allows to detect app based on filesystem information: file or folder exists, created/modified date, file size
- **Registry** – The rule allows to detect app based on registry information: key exists, key doesn't exist, value comparison

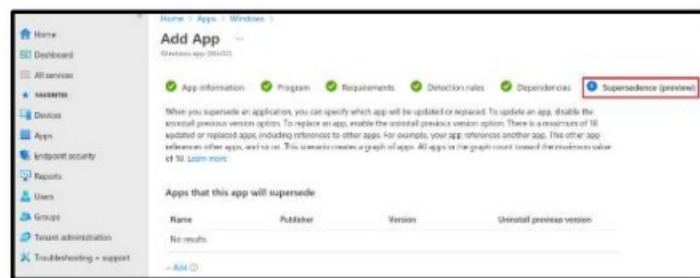
Note: Since UDC agent stores information in the registry, you can select the registry detection rule. Key path must be

HKEY_LOCAL_MACHINE\SOFTWARE\Lenovo\UDC and the detection method must be Key exist.

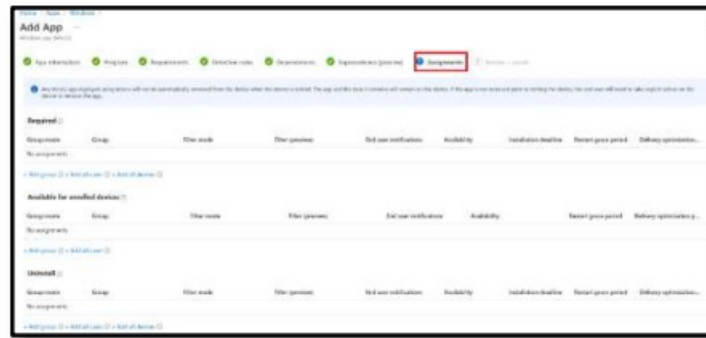
Optional Step 1: Click Dependencies, if required.



Optional Step 2: Click Supersede, if required.



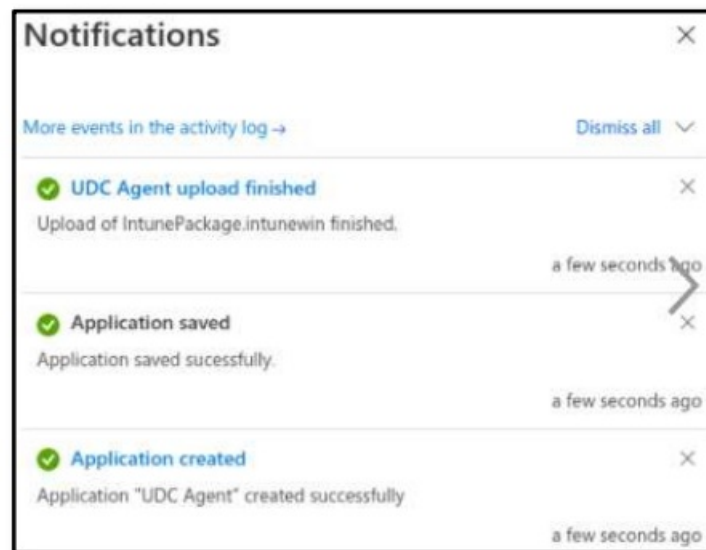
Optional Step 3: Click Assignments to deploy the application to the selected device or a group of devices. You can skip this step for creating an application.



8. Click **Review + create**. If the review summary is correct, click **Create**.



When the application is created and uploaded to the system, the following Notifications window appears. This process might take an hour or so.



Note:

- Now when the LDI agent is installed successfully, you can search for your device in the Devices page under the Device Manager module.
- Refer Quick Start Setup Guide for the troubleshooting process.

Chapter 4: Deploy Application

You can deploy an application to managed devices or users or groups.

Note: The deployment process might take five minutes to an hour to complete. Following are the types of deployment:


- **Required** – Indicates that the application is required for selected enrolled devices and gets installed automatically. Usually, it happens when you log in to the device.
- **Available for enrolled devices** – Indicates that the application is not required, and you can decide whether to install this application or not. In this case, the application remains in the company portal, and you can install it there.
- **Uninstall** – You can select users or groups for which you want to uninstall the application. The application is uninstalled for the selected managed devices.



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Documents / Resources

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