

(Windows) How to Deploy the CrowdStrike Falcon Sensor with Microsoft Intune

Created 7-20-21 by Anthony Mogannam (Amog)

Tested with Windows Sensor version 6.26.14003 and Microsoft Intune Service Release 2106

****Best effort - CrowdStrike Support cannot assist with Microsoft Intune technical questions or troubleshooting. Use at your own risk****

Introduction

Microsoft Intune is a fine solution for deploying and managing software packages however a few key caveats must be noted.

- The CrowdStrike Falcon Sensor is downloaded from within the Falcon Console in exe format.
- Microsoft Intune does not allow exe files to be deployed directly. Files must be converted to a supported format.
- This can be easily done by utilizing a Microsoft supplied utility known as the **Microsoft Win32 Content Prep Tool**, which available on GitHub here: <https://github.com/microsoft/Microsoft-Win32-Content-Prep-Tool/blob/master/IntuneWinAppUtil.exe>
 - This command line tool will archive and compress the Falcon Sensor exe file into a **.intunewim** file, which will be uploaded into Intune and deployed to selected endpoints.
- Once converted, the process of deploying with Intune is fairly straightforward and quick.
- The software package created here can be used for both **Installation and removal** of the sensor through Microsoft Intune.
- The CrowdStrike Sensor deploys silently on all endpoints and does not require a reboot.
- The same Falcon Sensor is used for Servers and Workstations alike.

Downloading the Falcon Sensor

The CrowdStrike Falcon Sensor for Windows is available for download directly within the Falcon Console. This can be found by navigating to **Hosts Sensor Downloads**.

Take note of your Customer ID. This identifier is unique to your organization and is required during deployment to link each individual Sensor deployed to your individual instance of CrowdStrike Falcon.

Hosts > Sensor Downloads

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Spotlight

Intelligence

MalQuery

Falcon Users

CrowdStrike

Sensor Downloads

Download Latest Sensor

HOW TO INSTALL

1. Download the latest sensor installer for your platform.

2. Copy your Customer ID checksum to enter during install:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Copy

3. Run the installer on the endpoint.

For installing via systems management tool or reusable Virtual Machine images, see the [Deployment Guides](#).

ADDITIONAL INFO

See [Tool Downloads](#) for uninstallers, SIEM connectors, and other tools.

Looking for an older version? See [other supported versions](#).

Windows

Windows - 6.25.13909

Release date: Jul. 2, 2021

SHA256: a41bb75e4c78e35206e4888b777d9f12384a5d53ef608b49c59b259dd8f4f868

[Older versions](#)

DOWNLOAD

Mac

macOS - 6.25.13807

Release date: Jul. 7, 2021

SHA256: a41bb75e4c78e35206e4888b777d9f12384a5d53ef608b49c59b259dd8f4f868

[Older versions](#)

DOWNLOAD

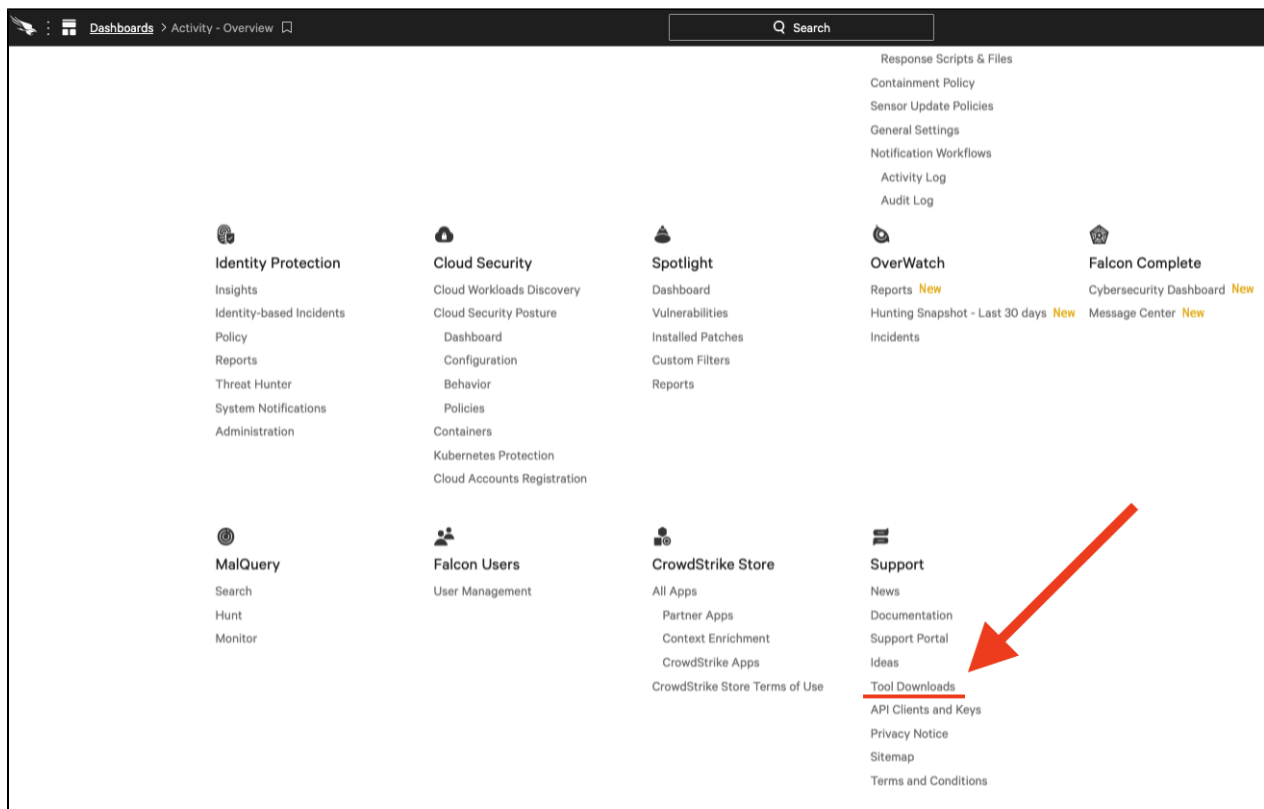
Linux - Ubuntu

Downloading the Falcon Uninstall Tool (optional)

The software package created in the steps ahead can be used for installation and removal of the sensor through Microsoft Intune. **If you do not wish to use the same package for both installation and removal, skip this step.**

The Windows Sensor Uninstall Tool is available for download directly within the Falcon Console. This can be found by navigating to *Support Tool Downloads*.

The Falcon Windows Sensor Uninstall Tool is found at the bottom of the page.

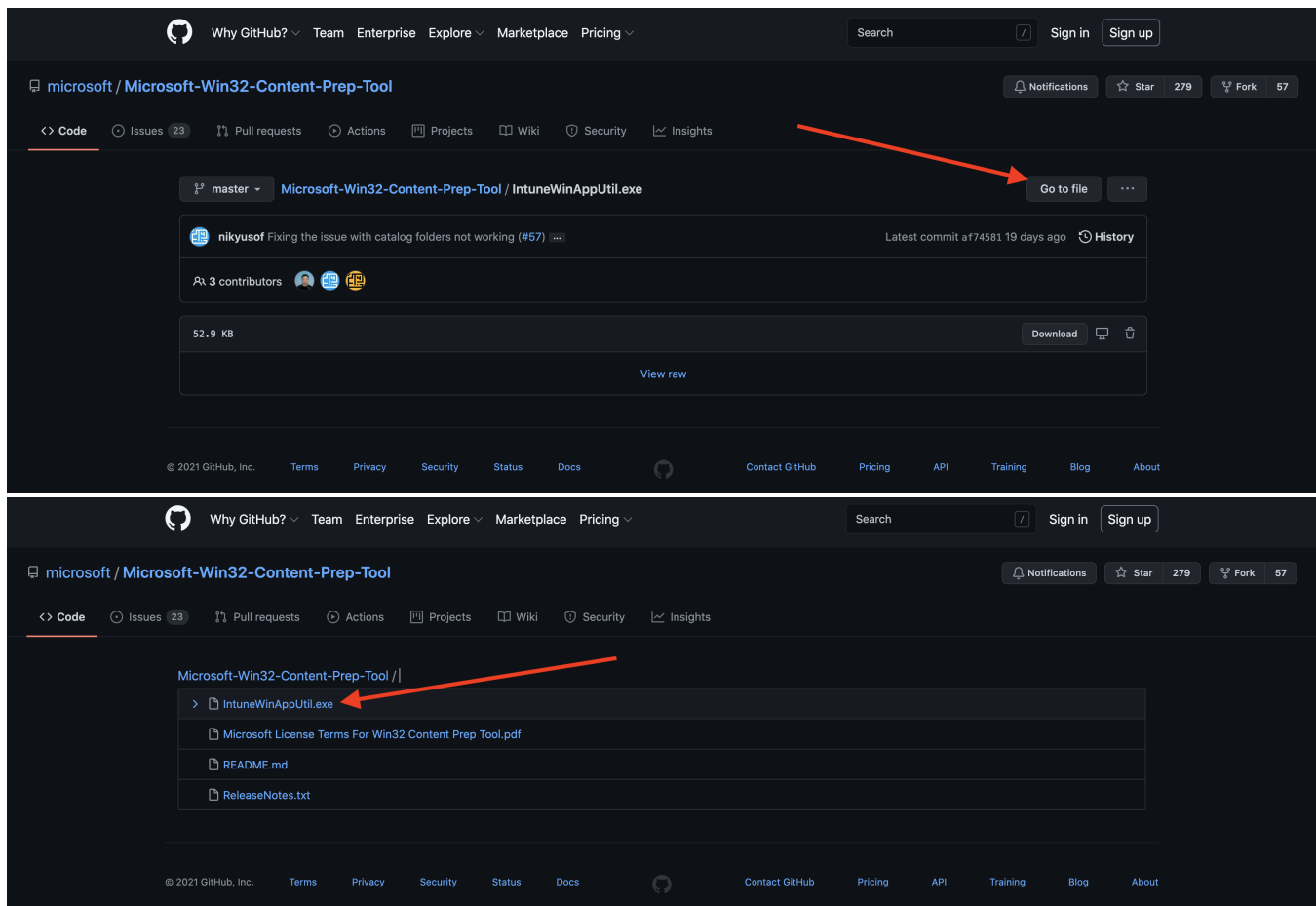


Support > Tool Downloads				
Tool Downloads				
See Sensor Downloads for installers				
Falcon Linux Sensor RPM signing GPG key (v2), ...	1.66KB	Jul. 14, 2021 11:51:28	ac29fa7d25f591c5c6fecb2087408868a43699e2...	Download
Falcon Linux Sensor RPM signing GPG key, 2018	3.10KB	Apr. 28, 2021 08:24:47	58eb2e1da85a2ef6656e053ca9c7c13f50f9569a3...	Download
Falcon Linux Sensor RPM signing GPG key, 2021	3.87KB	Apr. 28, 2021 08:26:05	0c201ad32fc1ba65db04a2de1d0cc3322c3e3234...	Download
Falcon Linux Sensor code signing certificate, 2018	1.97KB	Apr. 28, 2021 08:27:42	38e99931f742a2b8506777996a9e2a09a973bede...	Download
Falcon Linux Sensor code signing certificate, 2021	2.16KB	Apr. 28, 2021 08:28:25	948cf14467572e767f6c56f38bda7ce644de1cd2e0...	Download
FalconForensicsCollector, 1.0.257_e10_us1	2.51MB	Jun. 1, 2021 13:44:11	9cdfa5aa5cca99acf17bd5dd5578c556a1a04ad189...	Download
Falcon Identity Protection Deployment Planner, v...	1.94MB	Jun. 29, 2021 08:57:16	d667d0405c81de05e27b3016c8540b3797f78fb6b...	Download
Falcon Data Replicator, Sample Consumer V2	4.08KB	Mar. 17, 2021 10:11:06	09b3c69a605d9b17507a3249a282bb21afbb43dd...	Download
Falcon Testing Guide Assets, v1	136.52KB	Mar. 27, 2017 14:13:12	a1470e47d575ead6807d6ab421fe1b2739872bf50b...	Download
CSWinDiag Tool for Falcon Sensor for Windows, v...	59.48KB	Nov. 3, 2020 15:13:09	8c261f955ceafd235914b23a83281335f19e2d90af1...	Download
Falcon CWPP Image Scanning Script, v1.0.1	4.62KB	Feb. 22, 2021 15:28:53	00a7665930471638ea547ee91cfe722e5ba8175ca...	Download
Falcon Identity Protection PingFed Adapter, v4.0...	113.29KB	May. 9, 2021 06:16:45	c300ef6aef341c2590f77d69c4aef49ed1ebb9b57e...	Download
Falcon Real Time Response Decryption Script, v1.1	4.61KB	Feb. 2, 2021 15:13:04	f00e019ddefec653794542c00d773b7a50b94333a...	Download
Falcon SIEM Connector for Ubuntu 20, 2.5.7	8.67MB	May. 5, 2021 10:20:22	14a2575808730ebe0a750a2565faff3463e21c39b1...	Download
Falcon SIEM Connector for Ubuntu 18, 2.5.7	8.67MB	May. 5, 2021 10:19:33	517a5abdbd1b621c0a8fe1a3394859d1feb990004...	Download
Falcon SIEM Connector for CentOS/RHEL 7, 2.5.7	4.36MB	May. 5, 2021 10:17:04	0f118c50324d53b0f3936e4d6b014e7d46fc4c9d9...	Download
Falcon SIEM Connector for CentOS/RHEL 8, 2.5.7	4.36MB	May. 5, 2021 10:18:16	8500978b151b28c518f5319c9f102ca225332...	Download
Falcon Windows Sensor, Uninstall Tool	154.80KB	Aug. 8, 2018 14:26:17	e127f23dda6f2c3f48e9d2ad55a9d245b3fe6e6e60...	Download

Compressing and Archiving the exe Files into .intunewim

Navigate to the Microsoft GitHub and download the **Microsoft Win32 Content Prep Tool**

GitHub: <https://github.com/microsoft/Microsoft-Win32-Content-Prep-Tool/blob/master/IntuneWinAppUtil.exe>



Place **both** the Falcon Sensor and the Uninstall Tool file into a dedicated folder together. (eg *Desktop\Falcon\FalconSensor.exe, *Desktop\Falcon\CSUninstallTool.exe). This is important as the entire contents of the selected folder will be archived.

From the Command Prompt, run IntuneWinAppUtil.exe and proceed through the following prompts, entering the appropriate information as needed.

- Source folder: The folder housing the Falcon Sensor and Uninstall Tool executables
- Setup file: The Falcon Sensor executable file (Only the Falcon Sensor itself, not the Uninstall Tool)
- Output folder: Location where the .intunewim file will be saved
- Specify catalog folder: Should be marked N. Only needed when deploying software to an endpoint running Windows 10 S mode

Once completed, you will be able to find the new .intunewim file in the folder you specified.

```
Administrator: Command Prompt - C:\Users\demo\Desktop\IntuneWinAppUtil.exe
Microsoft Windows [Version 10.0.17763.1935]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\demo>C:\Users\demo\Desktop\IntuneWinAppUtil.exe
Please specify the source folder: C:\Users\demo\Desktop\Falcon
Please specify the setup file: C:\Users\demo\Desktop\Falcon\WindowsSensor.exe
Please specify the output folder: C:\Users\demo\Desktop
Do you want to specify catalog folder (Y/N)?N_
```

```
Select Administrator: Command Prompt
INFO  Computed SHA256 hash for C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPackage
\Contents\IntunePackage.intunewin within 922 milliseconds
INFO  Copying encrypted file from 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPac
kage\Contents\c0c62102-1e1e-4faa-8fee-50d87591cc1e' to 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e
3888ffe\IntuneWinPackage\Contents\IntunePackage.intunewin'
INFO  File 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPackage\Contents\IntunePac
kage.intunewin' got updated successfully within 153 milliseconds
INFO  Generating detection XML file 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinP
ackage\Metadata\Detection.xml'
INFO  Generated detection XML file within 31 milliseconds
INFO  Compressing folder 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPackage' to
'C:\Users\demo\Desktop\Falcon\WindowsSensor.intunewin'
INFO  Calculated size for folder 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPack
age' is 63198012 within 1 milliseconds
INFO  Compressed folder 'C:\Users\demo\AppData\Local\Temp\2\570c53cd-d836-4450-826c-b560e3888ffe\IntuneWinPackage' succ
essfully within 674 milliseconds
INFO  Removing temporary files
INFO  Removed temporary files within 10 milliseconds
INFO  File 'C:\Users\demo\Desktop\Falcon\WindowsSensor.intunewin' has been generated successfully

[=====] 100%
INFO  Done!!!

C:\Users\demo>_
```

Configuring the Sensor Package within Microsoft Intune

Within Intune, Navigate to *Apps All Apps Add*. Under App Type, select Windows App (Win32). Select the App Package File you created in the previous step.

The image consists of two screenshots from the Microsoft Intune console, illustrating the steps to add a new app.

Top Screenshot: Select app type

- The left sidebar shows the navigation menu with "Apps" highlighted.
- The main pane shows the "Apps | All apps" view. The "Add" button (a plus sign in a blue box) is highlighted in the top toolbar.
- The "Select app type" dialog is open on the right. It lists various app types under categories like "Store app", "Microsoft 365 Apps", and "Other". The "Windows app (Win32)" option is highlighted with a red box.

Bottom Screenshot: Add App

- The left sidebar remains the same.
- The main pane shows the "Add App" wizard for a "Windows app (Win32)". The "App information" step is active, and the "Select file" field is highlighted with a red box and the text "Select app package file".
- The "App package file" dialog is open on the right. It shows the file path "FalconWindowsSensor.intunewin" and details like Name, Platform, Size, and MAM status. A red arrow points to the file selection icon (a folder with a plus sign) at the end of the file path field.

In the following screens, you are only required to fill in fields marked by * but should follow your organization's guidelines for software deployment.

In **App information**, enter a Name and Publisher for the sensor package, then click Next.

Home > Apps > Add App ...

Windows app (Win32)

1 App information 2 Program 3 Requirements 4 Detection rules 5 Dependencies 6 Supersede (preview) 7 Assignments 8 Review + create

Select file * [FalconWindowsSensor.intunewin](#)

Name *

Description *

[Edit Description](#)

Publisher *

App Version

Category

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

Information URL

Privacy URL

Developer

Owner

Notes

Logo

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In **Program**, the **Install Command** and **Uninstall Command** must be entered.

- The default command for installation is as follows: **<installer_filename> /install /quiet /norestart CID=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX-XX**
- The default command for uninstall is as follows: **CsUninstallTool.exe /quiet**

Install Behavior should be set to System. This executes the installation with administrative rights.

Device Restart Behavior should be set to No Specific Action. The Falcon Sensor does not require a reboot upon deployment.

Return Codes can be left as default.

- Your unique Customer ID (CID) can be found within the Falcon Console on the Sensor Downloads Page.
- For more information on the installation, uninstall, or general workings of the Falcon Sensor, please reference the **Falcon Sensor for Windows** guide located within the Falcon Platform at *Support Documentation Falcon Sensor for Windows*.

Home > Apps > Add App ...

Windows app (Win32)

1 App information 2 Program 3 Requirements 4 Detection rules 5 Dependencies 6 Supersede (preview) 7 Assignments 8 Review + create

Specify the commands to install and uninstall this app:

Install command *

Uninstall command *

Install behavior ☒ System ☐ User

Device restart behavior

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](#)

In **Requirements**, you will have to set Operating System Architecture and Minimum Operating System accordingly.

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

App information Program **Requirements** Detection rules Dependencies Supersedence (preview) Assignments Review + create

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

Operating system architecture * 64-bit
Minimum operating system * Windows 10 1607

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.	

+ Add

Previous Next

In **Detection Rules**, you will set a parameter for Intune to identify whether the Falcon Sensor is deployed on the endpoint.

Under **Rules Format**, select Manually Configure Detection Rules.

- Rule Type: File
- Path: C:\Program Files\CrowdStrike
- File or Folder: CSFalconController.exe
- Detection Method: File or Folder Exists

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

App information Program Requirements **Detection rules** Dependencies Supersedence (preview) Assignments Review + create

Configure app specific rules used to detect the presence of the app.

Rules format * Manually configure detection rules

Type Path/Code

No rules are specified.

+ Add

Detection rule

Create a rule that indicates the presence of the app.

Rule type * File
Path * C:\Program Files\CrowdStrike
File or folder * CSFalconController.exe
Detection method * File or folder exists

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

Previous Next OK

The **Dependencies** and **Supersedence** settings are not required and can be skipped.

In **Assignments**, choose to add an individual Asset Group or All Users under **Required**. This will force install the sensor on all included endpoints.

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Add App

Windows app (Win32)

✓ App information

✓ Program

✓ Requirements

✓ Detection rules

✓ Dependencies

✓ Supersedence (preview)

?

Assignments

+

Review + create

?

Any Win32 app deployed using Intune will not be automatically removed from the device when the device is retired. The app and the data it contains will remain on the device. If the app is not removed prior to retiring the device, the end user will need to take explicit action on the device to remove the app.

Required

Group mode	Group	End user notifications	Availability	Installation deadline	Restart grace period	Delivery optimization priority
<div><div>+</div>Included</div>	CrowdStrike	Show all toast notifications	As soon as possible	As soon as possible	Disabled	Content download in background

+ Add group + Add all users + Add all devices

Available for enrolled devices

Group mode	Group	End user notifications	Availability	Installation deadline	Restart grace period	Delivery optimization priority
No assignments						

+ Add group + Add all users

Uninstall

Group mode	Group	End user notifications	Availability	Installation deadline	Restart grace period	Delivery optimization priority
No assignments						

+ Add group + Add all users + Add all devices

Previous

Next

Review the sensor setting and confirm. Once confirmed, the .intunewim file will be uploaded and you will be notified when the app is ready.

The Sensor will be pushed to the endpoints automatically upon the next Intune Sync cycle. You can also choose to manually initiate a Sync.