**How to obtain the Hardware Hash (device Id) for Autopilot**

Below are 3 methods for manually obtaining the device ID (hardware Hash file) running PS script to obtain hardware hash or device diags, either at the beginning of OOBE, by breaking out to a command prompt (Shift -F10) or if Windows is already installed on the device and you plan to reset the device to factory before running Autopilot, you can grab the hardware hash before resetting devices. There are also some links below for additional information on vendor and OEM methods.

**PowerShell**

1. **export the csv file to local drive, then import to Intune:**

[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]::Tls12

New-Item -Type Directory -Path "C:\HWID"

Set-Location -Path "C:\HWID"

$env:Path += ";C:\Program Files\WindowsPowerShell\Scripts"

Set-ExecutionPolicy -Scope Process -ExecutionPolicy RemoteSigned

Install-Script -Name Get-WindowsAutopilotInfo

Get-WindowsAutopilotInfo -OutputFile AutopilotHWID.csv

1. **Automatically upload .csv file directly to Intune (requires Intune Admin Permissions**)

[Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]::Tls12

PowerShell.exe -ExecutionPolicy Bypass

Install-Script -name Get-WindowsAutopilotInfo -Force

Set-ExecutionPolicy -Scope Process -ExecutionPolicy RemoteSigned

Get-WindowsAutopilotInfo -Online

**Device Diagnostics**

1. **Windows 11 Only (before OOBE):**

[**https://learn.microsoft.com/en-us/autopilot/add-devices#diagnostics-page-hash-export**](https://learn.microsoft.com/en-us/autopilot/add-devices#diagnostics-page-hash-export)

**Vendor and other Additional methods of obtaining hardware hash:**

https://learn.microsoft.com/en-us/surface/surface-autopilot-registration-support

<https://learn.microsoft.com/en-us/autopilot/oem-registration>

<https://learn.microsoft.com/en-us/autopilot/partner-registration>