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Software List - Inventory -WMIC Product

 ~OSD~ 2,196 Feb 1, 2021, 10:19 AM

Hi,

I am trying to generate a list of the installed software using WMIC Product, but it seems like I am getting one a few items listed with command.

See below screenshot for the installed product (available in Control Panel) and the WMIC Product Output as well as my current Windows version.

What might I am doing wrong?

Panel > Programs > Programs and Features

[Uninstall or change a program](#)
To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

Name	Publisher	Installed On	Size	Version
Audacity 2.4.2	Audacity Team	1/4/2021	62.4 MB	2.4.2
Google Chrome	Google LLC	1/25/2021		87.0.4280.141
Google Earth Pro	Google	2/1/2021	225 MB	7.3.3.7786
Microsoft Edge	Microsoft Corporation	1/31/2021		88.0.705.56
Microsoft OneDrive	Microsoft Corporation	1/4/2021	148 MB	20.201.1005.0009
Mozilla Firefox 84.0.1 (x64 en-US)	Mozilla	1/4/2021	206 MB	84.0.1
Mozilla Maintenance Service	Mozilla	1/4/2021	327 KB	84.0.1
VLC media player	VideoLAN	1/4/2021		3.0.11

Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.19042.746]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Windows\system32>wmic Product get Name,Version,InstallDate
InstallDate Name Version
20210201 Google Earth Pro 7.3.3.7786
20210118 Dolby Audio X2 Windows API SDK 0.8.8.88
20210104 Google Update Helper 1.3.36.51

C:\Windows\system32>
```

About Windows

Microsoft Windows
Version 20H2 (OS Build 19042.746)
© 2020 Microsoft Corporation. All rights reserved.

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Windows 10 Windows 10 Setup Windows Server PowerShell

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Training

Learning path
[Query management information by using Common Information Model and Windows Management Instrumentation - Training](#)
This learning path covers Windows Management Instrumentation (WMI) and Common Information Model (CIM). These technologies...

Documentation

[WMI Tasks: Computer Software - Win32 apps](#)
WMI tasks for computer software obtain information such as which software is installed by the Microsoft Windows Installer (MSI) and...
[Working with software installations - PowerShell](#)
This article shows how to use WMI to manage software installed in Windows.

[List Products, Properties, Features, and Components - Win32 apps](#)
The VBScript file WiLstPrd.vbs is provided in the Windows SDK Components for Windows Installer Developers. The sample script connects to an...
[Show 2 more](#)



MotoX80
34,346

Feb 2, 2021, 5:28 PM

My output is empty / blank, see belwo.

The example is missing the trailing slash after Uninstall. I get different software lists when I look at the 32/64 bit entries.

Copy

```
Get-ItemProperty HKLM:\Software\Wow6432Node\Microsoft\Windows\CurrentVersio
Get-ItemProperty HKLM:\Software\Microsoft\Windows\CurrentVersion\Uninstal
```

For a combined view, run this.

Copy

```
function Analyze( $p, $f) {
    Get-ItemProperty $p |foreach {
        if (($_.DisplayName) -or ($_.version)) {
            [PSCustomObject]@{
                From = $f;
                Name = $_.DisplayName;
                Version = $_.DisplayVersion;
                Install = $_.InstallDate
            }
        }
    }
}

$s = @()
$s += Analyze 'HKLM:\Software\Microsoft\Windows\CurrentVersion\Uninstall\
$s += Analyze 'HKLM:\Software\Wow6432Node\Microsoft\Windows\CurrentVersio
$s | Sort-Object -Property Name
```

Instead of WMIC, try Get-CimInstance

Copy

```
Get-CimInstance Win32_Product | Sort-Object -property Name | Format-Table
```

One behavior I have noticed is that referencing Win32_Product generates an event for each product in the application event log. Check your log. You might be getting an error that is stopping the analysis.

Log Name: Application
Source: MsInstaller
Date: 2/2/2021 10:06:39 AM
Event ID: 1035
Task Category: None
Level: Information
Keywords: Classic
User: SYSTEM
Computer: slick
Description:
Windows Installer reconfigured the product. Product Name: Microsoft SQL Server 2014 Management Objects. Product Version: 12.0.2000.8. Product Language: 1033. Manufacturer: Microsoft Corporation. Reconfiguration success or error status: 0.

Please sign in to rate this answer.


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2 additional answers

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 **Jenny Yan-MSFT**
9,336

Feb 2, 2021, 9:19 AM

Hi,
I guess it might be related that "Win32_Product WMI class represents products as they are installed by Windows Installer. A product generally correlates to one installation package."

And per further searching, there is also powershell command shared to get installed applications:
Get-ItemProperty
HKLM:\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall* |
Select-Object DisplayName, DisplayVersion, Publisher, InstallDate | Format-Table –
AutoSize

Screenshots of my test VM

Name	Publisher	Installed On	Size	Version
Microsoft Edge	Microsoft Corporation	1/30/2021		88.0.705.56
Google Chrome	Google LLC	1/28/2021		88.0.4324.104
WinZip 19.5	WinZip Computing, S.L.	1/8/2021	237 MB	19.5.11532
Deployment Client	CTSLabs	7/7/2020	28.0 KB	4.0.03
VMASAgent	Microsoft	7/7/2020	3.47 MB	0.9.7.7

Select Administrator: C:\Windows\System32\cmd.exe - wmic
Microsoft Windows [Version 10.0.17763.1697]
(c) 2018 Microsoft Corporation. All rights reserved.
C:\windows\system32>wmic product get name
Name
WinZip 19.5
VMASAgent
Google Update Helper
Deployment Client

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
PS C:\windows\system32> Get-ItemProperty HKLM:\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall* | Select-Object DisplayName, DisplayVersion, Publisher, InstallDate | Format-Table -AutoSize

DisplayName DisplayVersion Publisher InstallDate

Google Chrome 88.0.4324.104 Google LLC 20210128
Microsoft Edge 88.0.705.56 Microsoft Corporation 20210130
Microsoft Edge Update 1.3.139.71
VMASAgent 0.9.7.7 Microsoft 20200707
Google Update Helper 1.3.36.51 Google LLC 20201204
Deployment Client 4.0.03 CTSLabs 20200707

Reference link:
<https://devblogs.microsoft.com/scripting/use-powershell-to-quickly-find-installed-software/>

Hope this helps and please help to accept as Answer if the response is useful.

Thanks,
Jenny

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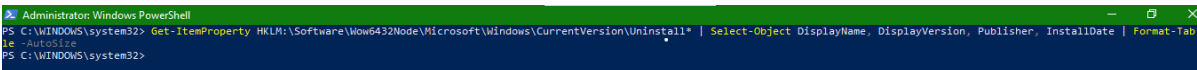
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 **~OSD~**
2,196

Feb 2, 2021, 10:00 AM


Hi,

My output is empty / blank, see belwo.




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 3 comments

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