

# Software List - Inventory -WMIC Product

Question activity

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~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

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)

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Accepted answer



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\CurrentVers:
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.

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1 comment

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JY

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

Screemshots 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/>

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

Thanks,  
Jenny

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~OSD~

2,196

Feb 2, 2021, 10:00 AM

Hi,

My output is empty / blank, see belwo.

Administrator: Windows PowerShell




PS C:\WINDOWS\system32> Get-ItemProperty HKLM:\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall\* | Select-Object DisplayName, DisplayVersion, Publisher, InstallDate | Format-Table -AutoSize  
PS C:\WINDOWS\system32>

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