

No need to install any software, this is how to find the Windows Product Key

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Suppose you intend to reinstall Windows, but you do not know or do not remember the Product key to activate Windows after the installation is completed and you cannot activate the newly installed operating system.

Here are 3 easy ways to help you find your Product key.

1. Use Powershell to find your Product key

1. Open Notepad on your computer.
2. Copy and paste the text below into Notepad file:

```
function Get-WindowsKey {  
    ## function ?? l?y t? khóa Product Windows t? b?t k? PC  
    ## by Jakob Bindset (jakob@bindset.dk)  
    param ($ targets = ".")  
    $ hklm = 2147483650  
    $ regPath = "SoftwareMicrosoftWindows NTCurrentVersion"  
    $ regValue = "DigitalProductId"  
    Foreach ($ target in $ targets) {  
        $ productKey = $ null  
        $ win32os = $ null  
        $ wmi = [WMI] "$ targetrootdefault: stdRegProv"  
        $ data = $ wmi.GetBinaryValue ($ hklm, $ regPath, $ regValue)
```

```

$ binArray = ($ data.uValue) [52..66]

$ charsArray = "B", "C", "D", "F", "G", "H", "J", "K", "M", "P", "Q", "R", "T", "V", "W", "X",
"Y", "2", "3", "4", "6", "7", "8", "9"

## decrypt base24 encoded binary data

For ($ i = 24; $ i -ge 0; $ i--) {

$ k = 0

For ($ j = 14; $ j -ge 0; $ j--) {

$ k = $ k * 256 -bxor $ binArray [$ j]

$ binArray [$ j] = [math] :: truncate ($ k / 24)

$ k = $ k % 24

}

$ productKey = $ charsArray [$ k] + $ productKey

If (($ i % 5 -eq 0) -and ($ i -ne 0)) {

$ productKey = "-" + $ productKey

}

}

$ win32os = Get-WmiObject Win32_OperatingSystem -computer $ target

$ obj = New-Object Object

$ obj | Add-Member NoteProperty Computer -value $ target

$ obj | Add-Member NoteProperty Caption -value $ win32os.Caption

$ obj | Add-Member NoteProperty CSDVersion -value $ win32os.CSDVersion

$ obj | Add-Member NoteProperty OSArch -value $ win32os.OSArchitecture

$ obj | Add-Member NoteProperty BuildNumber -value $ win32os.BuildNumber

$ obj | Add-Member NoteProperty RegisteredTo -value $ win32os.RegisteredUser

$ obj | Add-Member NoteProperty ProductID -value $ win32os.SerialNumber

$ obj | Add-Member NoteProperty ProductKey -value $ productkey

```

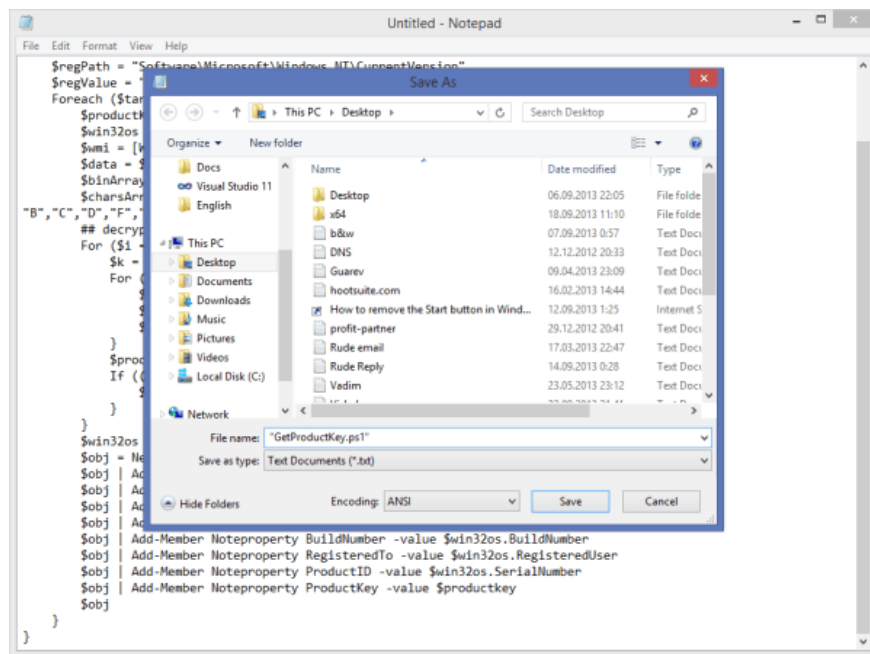
```
$ obj
```

```
}
```

```
}
```

3. Save the Notepad file into an unreasonable name with the ".ps1" extension on your Desktop to make it easy to find.

For example, you can name it GetProductKey.ps1.



4. Open Powershell under Admin by entering "powershell" in the Search Menu on the Start Menu or Start Screen and then pressing **Ctrl + Shift + Enter** to open Powershell under Admin.

5. Activate executing Local files without digitally signed by entering the following command into the Powershell window:

```
Set-ExecutionPolicy RemoteSigned
```

Press **Enter** to execute the command.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> Set-ExecutionPolicy RemoteSigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
http://go.microsoft.com/fwlink/?linkid=135170. Do you want to change the execution policy?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"):
PS C:\Windows\system32> _
```

6. Next, enter the following command:

Import-Module C: UsersWinaeroDesktopGetProductKey.ps1; Get-WindowsKey

Note:

In the above command, change the path to the file GetProductKey.ps1 that you saved.

7. Your product key will now be displayed on the screen.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> Set-ExecutionPolicy RemoteSigned

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
http://go.microsoft.com/fwlink/?linkid=135170. Do you want to change the execution policy?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"):
PS C:\Windows\system32> Import-Module C:\Users\Winaero\Desktop\GetProductKey.ps1; Get-WindowsKey

Computer      :
Caption      : Microsoft Windows 8.1 Pro
OSVersion    :
CSDivision   :
OSArch       : 64-bit
BuildNumber  : 9600
RegisteredTo : winaero
ProductID    : 00370-10292-24316-AA821
ProductKey   : K8THD-

PS C:\Windows\system32>
```

In addition, you can refer to the steps for performing Product key search with Powershell in the video below:

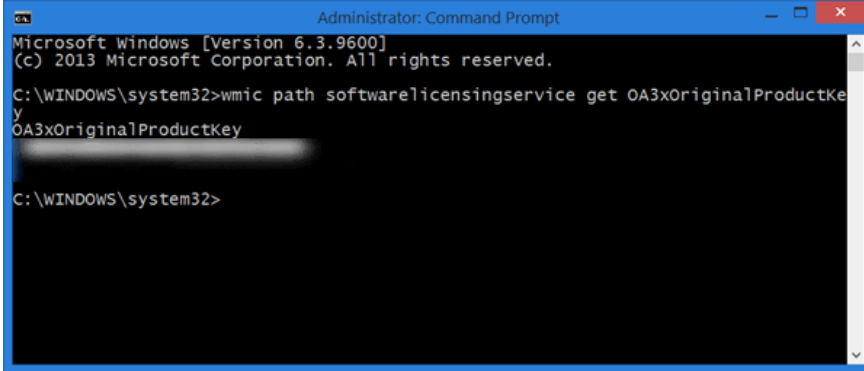
2. Find Product key using Command Prompt

First you press **Windows + X** key combination to open the Power User Menu or right-click the **Start** button in the bottom left corner of Windows 10/8, then select the **Command Prompt (Admin)** to open the Command Prompt under Admin .

Next enter the following command into the Command Prompt window and press **Enter** :

```
wmic path softwarelicensing-service get OA3xOriginalProductKey
```

Now the screen will display your Product key.



```
Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>wmic path softwarelicensing-service get OA3xOriginalProductKey
OA3xOriginalProductKey

```

3. Use the Windows Registry to find the Product key

To find your Product key with the Windows Registry, first open Notepad on your computer.

Next, copy and paste the following script into Notepad and save this Notepad file as **productkey.vbs**:

```
Set WshShell = CreateObject ("WScript.Shell")
MsgBox ConvertToKey (WshShell.RegRead ("HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\DigitalProductId"))
```

ConvertToKey (Key) Function

```
Const KeyOffset = 52
```

```
i = 28
```

```
Chars = "BCDFGHJKMPQRTVWXY2346789"
```

```
Do
```

```
Cur = 0
```

```
x = 14
```

```
Do
```

```
Cur = Cur * 256
```

```
Cur = Key (x + KeyOffset) + Cur
```

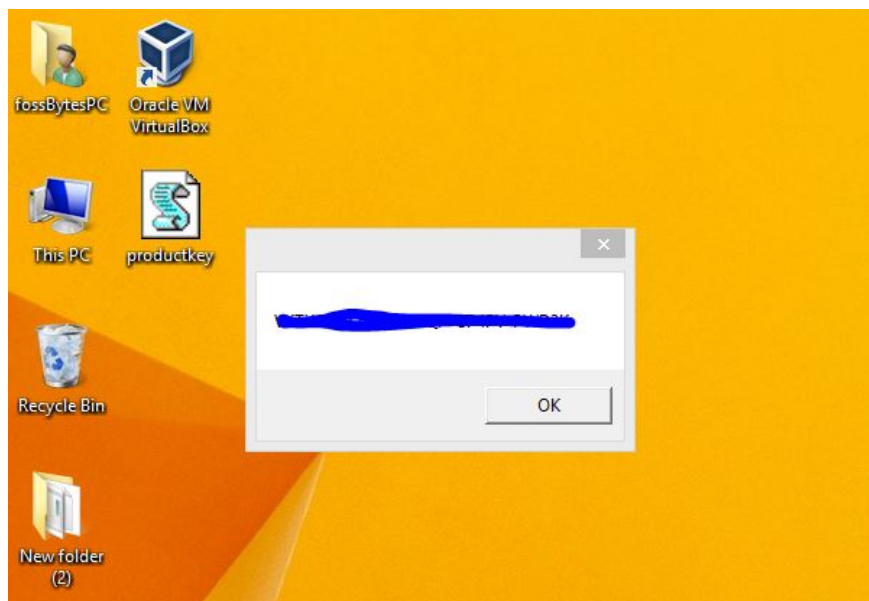
```
Key (x + KeyOffset) = (Cur \ 24) And 255
```

```

Cur = Cur Mod 24
x = x -1
Loop While x> = 0
i = i -1
KeyOutput = Mid (Chars, Cur + 1, 1) & KeyOutput
If (((29 - i) Mod 6) = 0) And (i > -1) Then
i = i -1
KeyOutput = "-" & KeyOutput
End If
Loop While i> = 0
ConvertToKey = KeyOutput
End Function

```

After you have completed the Notepad file saving process, simply click on the file and a popup window will appear showing your Product key. You can copy and save the Product key for use in case of necessity.



Refer to some of the following articles:

1. How to check and detect RAM and hardware problems on your Windows computer?
1. How to share a folder (folder) via LAN on Windows 10
1. Here's how to uninstall Windows 10 to return to using Windows 7 or 8.1

Good luck!

You finished reading the article "**No need to install any software, this is how to find the Windows Product Key**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.