How to find out how many physical cores and logic cores your CPU has? Need to check the CPU core before you buy a new laptop? In this tutorial we'll show you 4 simple ways to find number of physical cores and logical cores in your CPU on Windows 10.

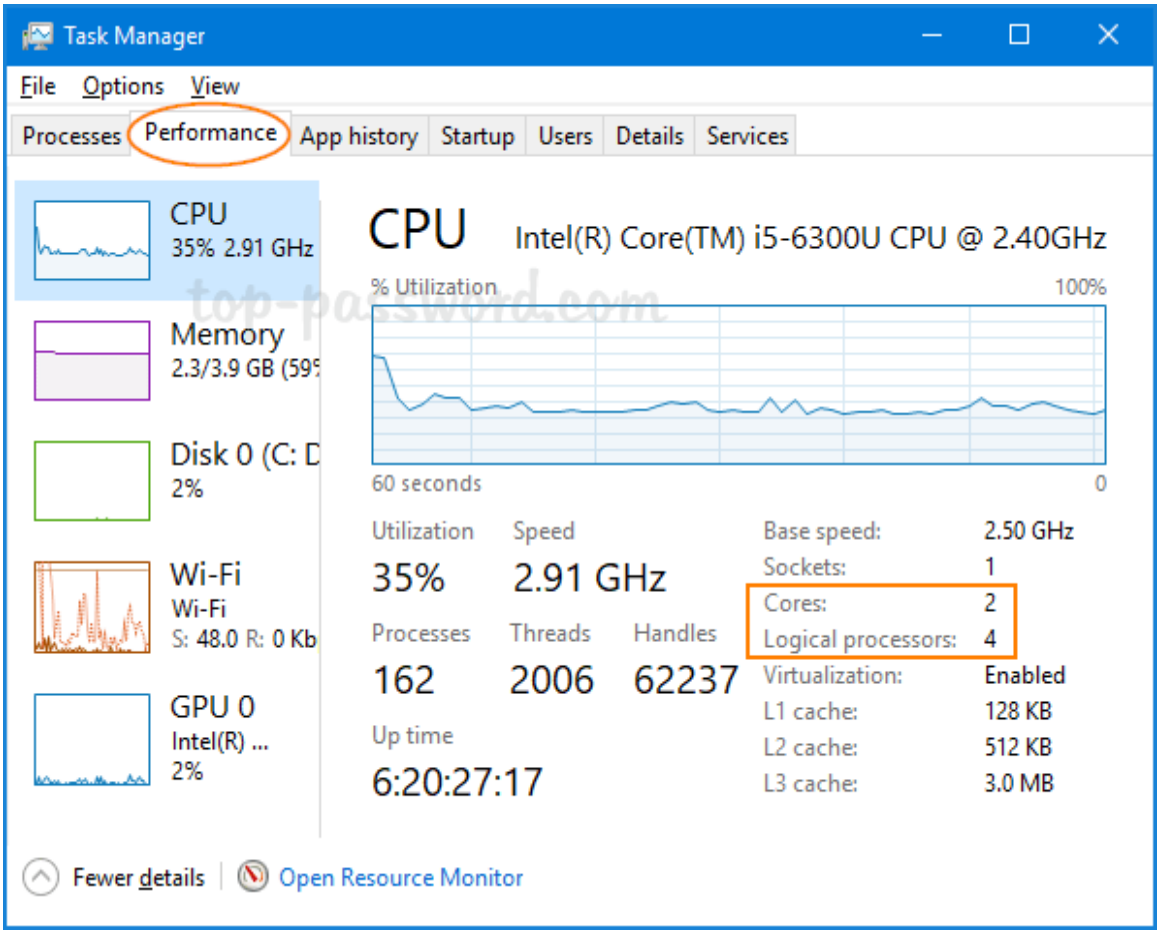
Physical Core VS. Logical Core

A physical core is an actual physical processor core in your CPU. Each physical core has its own circuitry and its own L1 (and usually L2) cache can read and execute instructions separately (for the most part) from the other physical cores on the chip. A CPU with two physical cores is called a dual-core processor and four physical cores is called a quad-core processor.

A logical core (also known as logical processors) is more of a programming abstraction than an actual physical entity. Logical cores are the abilities of a single physical core to run multiple tasks or threads simultaneously. For example, if you have a quad core CPU and each of its physical cores can run two threads at a time, then you have 8 logical cores.

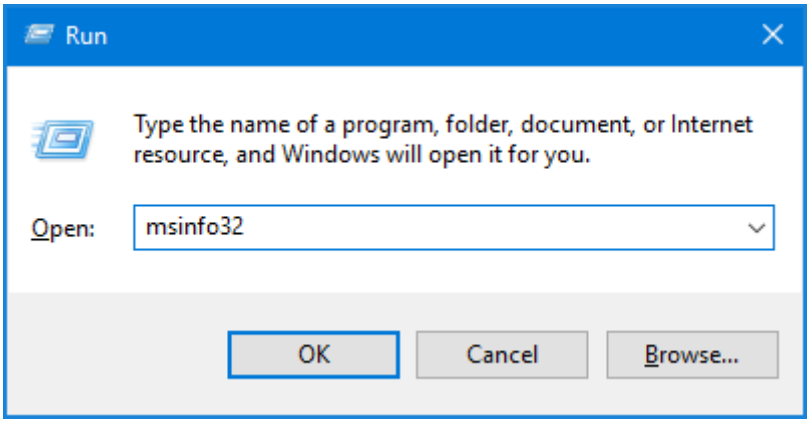
Method 1: Check Number of CPU Cores Using Task Manager

Press the Ctrl + Shift + Esc keys simultaneously to open the Task Manager. Go to the **Performance** tab and select **CPU** from the left column. You'll see the number of physical cores and logical processors on the bottom-right side.

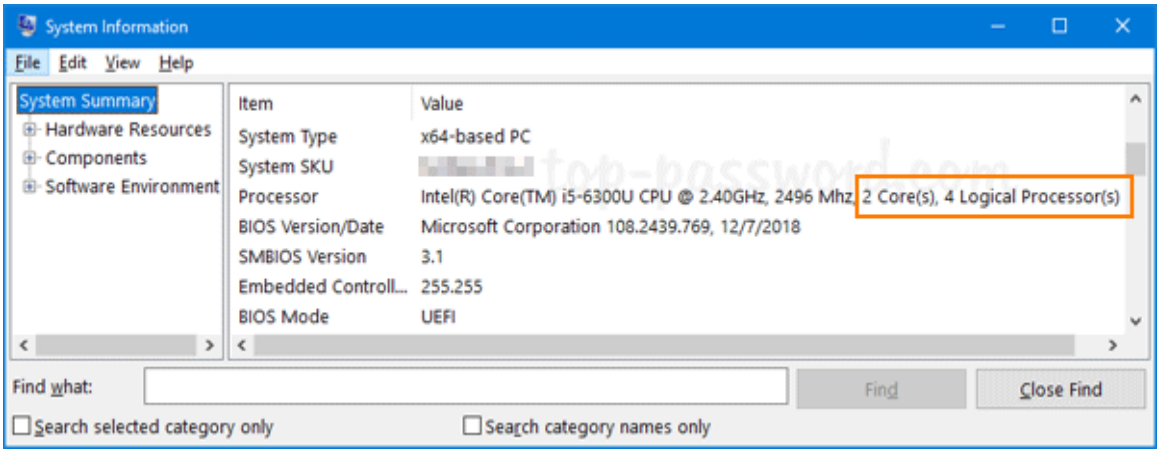


Method 2: Check Number of CPU Cores Using msinfo32 Command

Press the Windows key + R to open the Run command box, then type **msinfo32** and hit Enter.



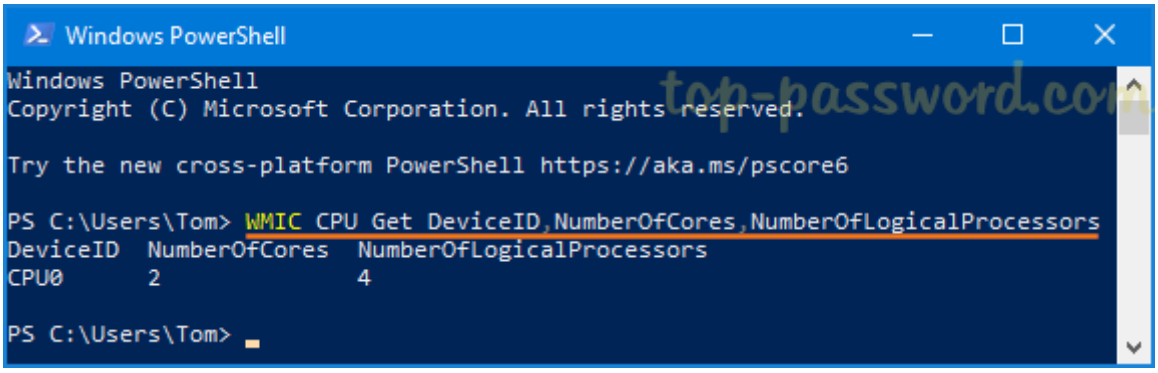
It should open up the System Information app. Select **Summary** and scroll down until you find Processor. The details will tell you both how many cores and logical processors your CPU has.



Method 3: Check Number of CPU Cores Using Command Prompt or PowerShell

Open the Command Promptor PowerShell. Type the following command and press Enter:

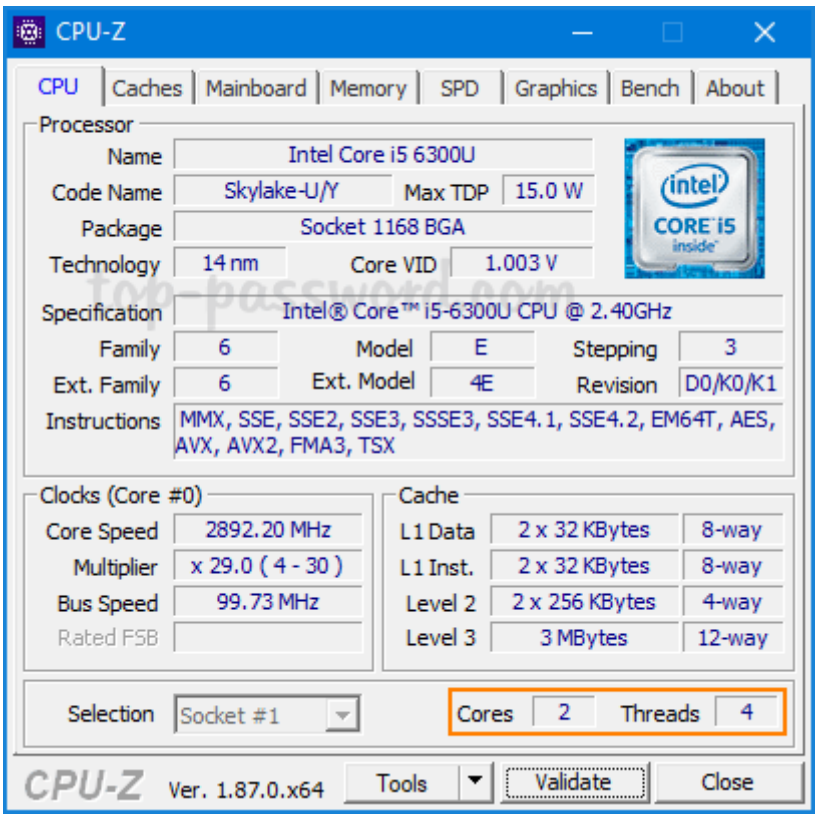
```
WMIC CPU Get DeviceID,NumberOfCores,NumberOfLogicalProcessors
```



The output of the command tells you how many cores and how many logical processors are found in each CPU on your computer.

Method 4: Check Number of CPU Cores Using Third-Party Software

If you would like to find out the detail information about your CPU, try the third-party freeware CPU-Z. After running the app, you can see the number of physical cores and threads (logical cores) at the bottom.


CPU-Z
CPU
Caches
Mainboard
Memory
SPD
Graphics
Bench
About
Processor
Name
Intel Core i5 6300U
Code Name
Skylake-U/Y
Max TDP
15.0 W
Package
Socket 1168 BGA
Technology
14 nm
Core VID
1.003 V
Specification
Intel® Core™ i5-6300U CPU @ 2.40GHz
Family
6
Model
E
Stepping
3
Ext. Family
6
Ext. Model
4E
Revision
D0/K0/K1
Instructions
MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, EM64T, AES, AVX, AVX2, FMA3, TSX
Clocks (Core #0)
Core Speed
2892.20 MHz
Multiplier
x 29.0 (4 - 30)
Bus Speed
99.73 MHz
Rated FSB
Cache
L1 Data
2 x 32 KBytes
8-way
L1 Inst.
2 x 32 KBytes
8-way
Level 2
2 x 256 KBytes
4-way
Level 3
3 MBytes
12-way
Selection
Socket #1
Cores
2
Threads
4
CPU-Z
Ver. 1.87.0.x64
Tools
Validate
Close