Cpuinfo

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2023-05-19

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There is a lot of useful information in /proc/cpuinfo. However, modern server boards have many CPUs and sometimes even more cores. In order to keep track of this long information, sometimes this information needs to be pre-processed a bit. This article is about some small scripts to get specific information.

1 Model Name

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```
Super Micro Intel(R) Xeon(R) CPU E5-2658 0 @ 2.10GHz
MIC 0b/01
```

2 Number Of Calculation Cores

```
      grep -i 'processor' /proc/cpuinfo|wc -l

      Machine Model Name Value

      X200 Tablet Intel(R) Core(TM)2 Duo CPU L9400 @ 1.86GHz 2

      Super Micro Intel(R) Xeon(R) CPU E5-2658 0 @ 2.10GHz 16

      MIC 0b/01
```

3 Number Of Real Cpu Cores:

3.1 Physical ID

3.2 Core ID

However, the cpu cores value for MIC is set to 61. And 244 cores divided by 4 is 61, not 62.

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3.3 CPU Cores

3.4 The Number Of Cores

To make the situation unambiguous, the number or real cores should be calculated as

4 History

Version	Date	Notes
0.1.2	2023-05-19	Improve writing
0.1.1	2022-07-02	Commands meta data, shell->bash
0.1.0	2016-06-22	Initial release

5 Disclaimer of Warranty

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