

How To: Check CPU Temperatures

This is obviously about Linux and, given that it's Linux, there are often multiple ways to accomplish things. This is one way to check the CPU temperatures.

This one should be fairly short and straightforward. Once again, crack open your favorite terminal emulator with CTRL + ALT + T.

For this exercise, we'll be using `lm-sensors`. Wikipedia helpfully describes it as thus:

lm_sensors (Linux-monitoring sensors) is a free open-source software-tool for Linux that provides tools and drivers for monitoring temperatures, voltage, humidity, and fans. It can also detect chassis intrusions.

It then promptly says that a citation is needed.

So, let's check the man page. `man lm-sensors` has no entry, so you'll need the slightly less obvious `man sensors`. In this case, the description is not much greater.

sensors is used to show the current readings of all sensor chips. sensors -s is used to set all limits as specified in the configuration file. sensors -bus-list is used to generate bus statements suitable for the configuration file.

Alright, so let's get this installed.

```
[code]sudo apt install lm-sensors[/code]
```

So far so good, but now we need `sensors` to find the hardware and that's done with this:

```
[code]sudo sensors-detect[/code]
```

That's going to run and it's interactive. You'll need to type "YES" over and over again and then finally hit the ENTER button. But, once you're done, it's all over and you never have to do it again – unless you add/change hardware that has sensors.

Now that it's installed, you can just run:

```
[code]sensors[/code]
```

If you are easily startled by the metric system, you can just add the -f switch for Fahrenheit, like so:

```
[code]sensors -f[/code]
```

Congratulations! You can now easily tell how hot (or cold) your CPU is running. You should also look up your CPU's temperature thresholds. This way you'll be able to tell if your CPU is running hotter than it should be running. Doing this can save your hardware or give it greater longevity.

The newsletter works again. You can now sign up and get notified of new articles. It's painless, and I promise I won't send you any spam – nor give/trade your email address with anyone for any purpose. (Frankly, I have zero motivation to do so.) If you had signed up previously, you'll need to do it again, for I am lazy and there was no export and import options. Thanks for reading! (Also, I hope you like the font change!)

[CentOS-announce]

CESA-2021:0661 Important CentOS 7 thunderbird Security Update

CentOS Errata and Security Advisory 2021:0661 Important
Upstream details at :
<https://access.redhat.com/errata/RHSA-2021:0661>

The following updated files have been uploaded and are
currently

syncing to the mirrors: (sha256sum Filename)

x86_64:

2079fcbe2c07aa0485612a667be1c81504654629f2931e7110664db3065507
87 thunderbird-78.8.0-1.el7.centos.x86_64.rpm

Source:

b1d0ae38d26dde16a81ac71b72f6368e625a7ccbed26d6dc8475c975d75696
36 thunderbird-78.8.0-1.el7.centos.src.rpm

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CESA-2021:0656 Critical

CentOS 7 firefox Security

Update

CentOS Errata and Security Advisory 2021:0656 Critical
Upstream details at :
<https://access.redhat.com/errata/RHSA-2021:0656>

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x86_64:

c51cb2eba6f030cce0b81686cebf834e0aad1fb747875ef6fc8d06c6930fe1
8a firefox-78.8.0-1.el7.centos.i686.rpm

802ef81827f925a8e48e7eac8b4f0c0e44a7873cc15a96c696316840d65411
91 firefox-78.8.0-1.el7.centos.x86_64.rpm

Source:

9fb25f49dbe9e585312f707a0303a6c6c1a19f2ab52f2b36e52c21b79225b9

25 firefox-78.8.0-1.el7.centos.src.rpm

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CEBA-2020:4046 CentOS 7 grub2 BugFix Update

CentOS Errata and Bugfix Advisory 2020:4046

Upstream details at :
<https://access.redhat.com/errata/RHBA-2020:4046>

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x86_64:

abb495131866830ec1e5474b69876de363e44c471e7221b10ce992f1f526f9
66 grub2-2.02-0.87.el7.centos.x86_64.rpm

50c11af52b9c7aba5a74a2beb07e802550af036c3a37feb00b9bfca7b241ff
a1 grub2-common-2.02-0.87.el7.centos.noarch.rpm

72b814596920effa935ebdde082d64181b5aa2f44485a058f2535c54828f93
1e grub2-efi-ia32-2.02-0.87.el7.centos.x86_64.rpm

ce893faa55582d8281001d9876f4ceaddca9de5adf25f32692196a6e85a1aa
48 grub2-efi-ia32-cdboot-2.02-0.87.el7.centos.x86_64.rpm

5d260748ee7254fcf65c3e3312e541e2f9883d21279926f45ee85ad44eb5b4
e7 grub2-efi-ia32-modules-2.02-0.87.el7.centos.noarch.rpm

f659cc4a3ded31fe85ee2123860696b26f1983182f66c76b6a76d0e5dc5f3d
2f grub2-efi-x64-2.02-0.87.el7.centos.x86_64.rpm

05a40b72da0cf303bc79e3b58cda8c7f7edb3f19a201eca57225af9a1e012b
eb grub2-efi-x64-cdboot-2.02-0.87.el7.centos.x86_64.rpm

f2ef03a6ec5037c50e7f13a6a7c2465e14b247e48ec9b158e91bbf86094e3d
d1 grub2-efi-x64-modules-2.02-0.87.el7.centos.noarch.rpm

bd55b6e53bef2770d4702bf6fb6bcd13145e761a809da1a07423a7e1e3898f
82 grub2-i386-modules-2.02-0.87.el7.centos.noarch.rpm

dc1039bae026e06f606e2a26e159743f3cf3ed19a75609cb5664372c17b4d9
0c grub2-pc-2.02-0.87.el7.centos.x86_64.rpm

456aa067cc96e03aaa605e52a86cc973f7a8dab09337cce112097a4608dd14
3a grub2-pc-modules-2.02-0.87.el7.centos.noarch.rpm

82bf486bffe227eaa4681fdcf6cb4c2225d25b5dbdad8b4009f3da4a506834
ef grub2-tools-2.02-0.87.el7.centos.x86_64.rpm

0eb359490eab964f970cb8d6fd9987a38a3e3f9c585348941c53fb1b709c71
f1 grub2-tools-extra-2.02-0.87.el7.centos.x86_64.rpm

c0e72c1dbf2c72f272577dc891736d1403dd928b5e9f236721ea261f99677b
61 grub2-tools-minimal-2.02-0.87.el7.centos.x86_64.rpm

Source:

b54c7d7d22e344b19816c6b891484dd12659442b088bab993053889a28dea1
4d grub2-2.02-0.87.el7.centos.src.rpm

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CESA-2021:0024 Important CentOS 7 ImageMagick Security Update

CentOS Errata and Security Advisory 2021:0024 Important
Upstream details at :
<https://access.redhat.com/errata/RHSA-2021:0024>

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x86_64:

49941263a7a0309c58b3d3e00ab81c56b1ee1a70b49b873188cc23686f5d3d
9b ImageMagick-6.9.10.68-5.el7_9.i686.rpm

8b82511897f48ce484e303fe650c32ea1191e71ee0cbd9aff580743fa4f906
7c ImageMagick-6.9.10.68-5.el7_9.x86_64.rpm

3d1f2217dd6b5ed505a6858933c562175be86840b5c6c7328291ec8c31333a
56 ImageMagick-c++-6.9.10.68-5.el7_9.i686.rpm

208142489b5b939b70a9d0d5242ac84ad700f6bc7f8549c1b26d447993c66b
86 ImageMagick-c++-6.9.10.68-5.el7_9.x86_64.rpm

3fb72ac0367e9afd39874f48b9a0b356b9cbb0b86d41265538358ef72583d3
2d ImageMagick-c++-devel-6.9.10.68-5.el7_9.i686.rpm

fb00ca97e06f7da066e8d05cafb17b9f9680e39f50979090e489d8a1720bb4
d4 ImageMagick-c++-devel-6.9.10.68-5.el7_9.x86_64.rpm

d45776ea070dd01bfa5681b3d5be4cd2fdb7fe2baac5c1720ab216221ef7dd
f8 ImageMagick-devel-6.9.10.68-5.el7_9.i686.rpm

b095f7fcbb5d718e30c01471ddebc9eca7b0315ab21ba2c286f3e4c44b8bf2
b1 ImageMagick-devel-6.9.10.68-5.el7_9.x86_64.rpm

4c39fd8baa3677dd6ae1debc1bc8f2bcb012f024717dc7b97179d39ba6e385
3f ImageMagick-doc-6.9.10.68-5.el7_9.x86_64.rpm

4dc1a1327e468460b517ab53ed5f213f2ea0b15a999fc2c3f80d7d5b477118
cd ImageMagick-perl-6.9.10.68-5.el7_9.x86_64.rpm

Source:

22f7687f463972266acf1480018df3edab9c5b809501a842b97042deef75bf
90 ImageMagick-6.9.10.68-5.el7_9.src.rpm

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