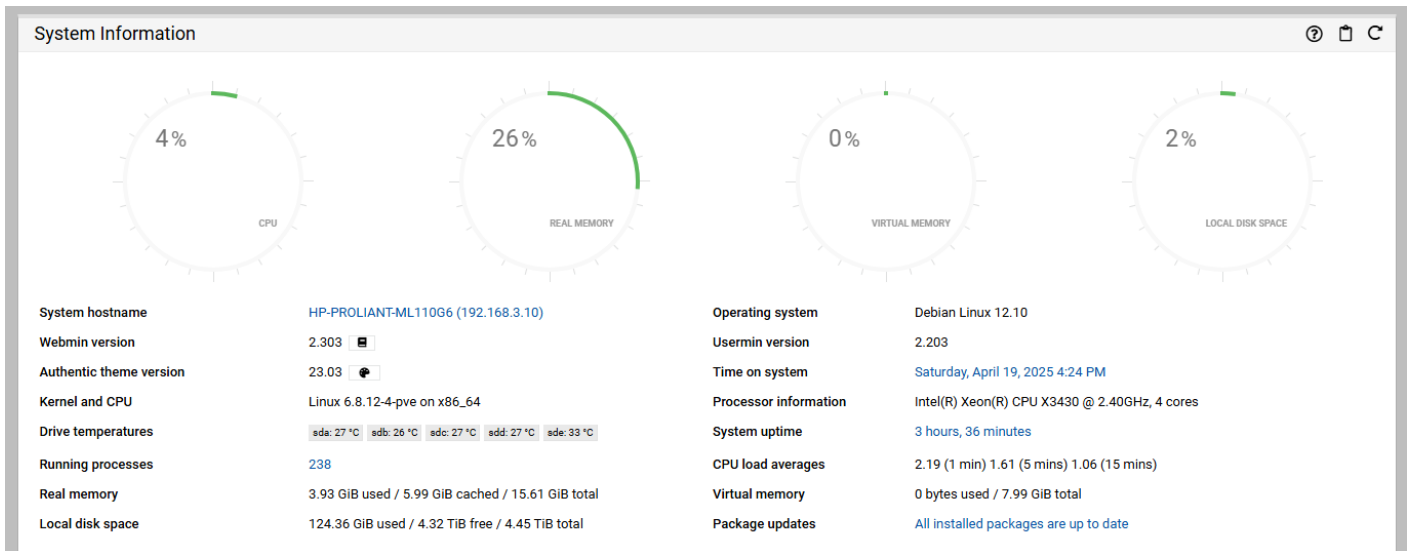


2-Avoir la température CPU

Dans webmin, on peut voir les température du CPU, mais pour cela il faut le configuré. Comme on peut le voir par défaut, cela n'y est pas :



Pour cela, en ssh ou dans l'invite de command de debian, tapé "**apt install lm-sensors**" :

```
root@HP-PROLIANT-ML110G6:~# apt install lm-sensors
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libsensors-config libsensors5
Suggested packages:
  fancontrol read-edid i2c-tools
The following NEW packages will be installed:
  libsensors-config libsensors5 lm-sensors
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 146 kB of archives.
After this operation, 518 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ftp.debian.org/debian bookworm/main amd64 libsensors-config all 1:3.6.0-7.1 [14.3 kB]
Get:2 http://ftp.debian.org/debian bookworm/main amd64 libsensors5 amd64 1:3.6.0-7.1 [34.2 kB]
Get:3 http://ftp.debian.org/debian bookworm/main amd64 lm-sensors amd64 1:3.6.0-7.1 [97.2 kB]
Fetched 146 kB in 4s (39.9 kB/s)
```

Une fois installé, faite "**sensors-detect**" et vous faites "yes" à toutes les questions :

```

root@HP-PROLIANT-ML110G6:~# sensors-detect
# sensors-detect version 3.6.0
# System: HP ProLiant ML110 G6
# Board: Wistron Corporation ProLiant ML110 G6
# Kernel: 6.8.12-4-pve x86_64
# Processor: Intel(R) Xeon(R) CPU X3430 @ 2.40GHz (6/30/5)

This program will help you determine which kernel modules you need
to load to use lm_sensors most effectively. It is generally safe
and recommended to accept the default answers to all questions,
unless you know what you're doing.

Some south bridges, CPUs or memory controllers contain embedded sensors.
Do you want to scan for them? This is totally safe. (YES/no): yes
Module cpuid loaded successfully.
Silicon Integrated Systems SIS5595... No
VIA VT82C686 Integrated Sensors... No
VIA VT8231 Integrated Sensors... No
AMD K8 thermal sensors... No
AMD Family 10h thermal sensors... No
AMD Family 11h thermal sensors... No
AMD Family 12h and 14h thermal sensors... No
AMD Family 15h thermal sensors... No
AMD Family 16h thermal sensors... No
AMD Family 17h thermal sensors... No
AMD Family 15h power sensors... No
AMD Family 16h power sensors... No
Hygon Family 18h thermal sensors... No
Intel digital thermal sensor... Success!
  (driver 'coretemp')
Intel AMB FB-DIMM thermal sensor... No
Intel 5500/5520/X58 thermal sensor... No
VIA C7 thermal sensor... No
VIA Nano thermal sensor... No

Some Super I/O chips contain embedded sensors. We have to write to
standard I/O ports to probe them. This is usually safe.
Do you want to scan for Super I/O sensors? (YES/no): |

```

Et arrivé ici, on doit redémarré webmin pour qu'il puisse prendre en compte l'installation des capteurs avec la commande "**sudo systemctl restart webmin**" :

```

Now follows a summary of the probes I have just done.
Just press ENTER to continue:

Driver `to-be-written':
 * ISA bus, address 0xca2
   Chip `IPMI BMC KCS' (confidence: 8)

Driver `coretemp':
 * Chip `Intel digital thermal sensor' (confidence: 9)

Note: there is no driver for IPMI BMC KCS yet.
Check https://hwmon.wiki.kernel.org/device_support_status for updates.

To load everything that is needed, add this to /etc/modules:
#----cut here----
# Chip drivers
coretemp
#----cut here----
If you have some drivers built into your kernel, the list above will
contain too many modules. Skip the appropriate ones!

Do you want to add these lines automatically to /etc/modules? (yes/NO)yes
Successful!

Monitoring programs won't work until the needed modules are
loaded. You may want to run '/etc/init.d/kmod start'
to load them.

Unloading cpuid... OK

root@HP-PROLIANT-ML110G6:~# sudo systemctl restart webmin
root@HP-PROLIANT-ML110G6:~#

```

Retournons sur l'interface web constaté que les températures CPU sont maintenant présente :

System Information
? 🗑️ 🔄

CPU

REAL MEMORY

VIRTUAL MEMORY

LOCAL DISK SPACE

System hostname	HP-PROLIANT-ML110G6 (192.168.3.10)	Operating system	Debian Linux 12.10
Webmin version	2.303	Usermin version	2.203
Authentic theme version	23.03	Time on system	Saturday, April 19, 2025 4:33 PM
Kernel and CPU	Linux 6.8.12-4-pve on x86_64	Processor information	Intel(R) Xeon(R) CPU X3430 @ 2.40GHz, 4 cores
CPU temperatures	Core 1: 29 °C Core 2: 26 °C Core 3: 30 °C Core 4: 26 °C	Drive temperatures	sda: 27 °C sdb: 26 °C sdc: 27 °C sdd: 27 °C sde: 34 °C
System uptime	3 hours, 47 minutes	Running processes	239
CPU load averages	1.41 (1 min) 1.53 (5 mins) 1.34 (15 mins)	Real memory	3.8 GiB used / 5.99 GiB cached / 15.61 GiB total
Virtual memory	0 bytes used / 7.99 GiB total	Local disk space	125.31 GiB used / 4.32 TiB free / 4.45 TiB total
Package updates	All installed packages are up to date		

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