

Webmin

Webmin c'est une interface web d'administration système pour les serveurs Unix/Linux. Il permet de gérer facilement des services comme Apache, MySQL, le pare-feu, ou encore les utilisateurs, via un navigateur.

De plus il permet une vision total sur tous un serveur que se sois les ressources utilisé (ram, cpu voir sotckage) ou leur température.

- Installation de webmin
 - 1-Installation de webmin
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Installation de webmin

Dans ce partie, nous allons voir l'installation puis configuration de webmin sur Debian 12

1-Installation de webmin

Pour l'installation de webmin, je suis avec debian 12.10 :

```
root@HP-PROLIANT-ML110G6:~# cat /etc/debian_version
12.10
root@HP-PROLIANT-ML110G6:~# |
```

Webmin n'est pas disponible par défaut dans les dépôt de debian et faut donc le rajouté. Webmin fournit un script qui permet de rajouté le dépôt de webmin facilement :

```
curl -o webmin-setup-repo.sh https://raw.githubusercontent.com/webmin/webmin/master/webmin-setup-repo.sh
sh webmin-setup-repo.sh
```

Avec curl, on récupère le fameux script "**webmin-setup-repo.sh**" puis après avec "**sh**" on l'exécute :

```
root@HP-PROLIANT-ML110G6:~# curl -o webmin-setup-repo.sh https://raw.githubusercontent.com/webmin/webmin/master/webmin-s
etup-repo.sh
sh webmin-setup-repo.sh
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 16246  100 16246    0     0  76172      0  --:--:-- --:--:-- --:--:--  76272
Setup Webmin releases repository? (y/N) y
  Downloading Webmin developers key ..
  .. done
  Installing Webmin developers key ..
  .. done
  Cleaning up package priority configuration ..
  .. done
  Setting up Webmin releases repository ..
  .. done
  Cleaning repository metadata ..
  .. done
  Downloading repository metadata ..
  .. done
Webmin and Usermin can be installed with:
  apt-get install --install-recommends webmin usermin
root@HP-PROLIANT-ML110G6:~# |
```

Donc on autorise la mise en place du repository puis après que tous ce sois mit en place, il nous donne la commande à exécuté "**apt-get install --install-recommends webmin usermin**" :

```

root@HP-PROLIANT-ML110G6:~# apt-get install --install-recommends webmin usermin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  html2text libalgorithm-c3-perl libb-hooks-endofscope-perl libb-hooks-op-check-perl libclass-c3-perl
  libclass-c3-xs-perl libclass-data-inheritable-perl libclass-inspector-perl libclass-method-modifiers-perl
  libclass-singleton-perl libclass-xsaccessor-perl libdata-optlist-perl libdatetime-locale-perl libdatetime-perl
  libdatetime-timezone-perl libdbd-mysql-perl libdbi-perl libdevel-callchecker-perl libdevel-caller-perl
  libdevel-lexalias-perl libdevel-stacktrace-perl libdynaloader-functions-perl libencode-detect-perl
  libeval-closure-perl libexception-class-perl libfile-sharedir-perl libio-pty-perl libmariadb3
  libmodule-implementation-perl libmodule-runtime-perl libmro-compat-perl libnamespace-autoclean-perl
  libnamespace-clean-perl libpackage-stash-perl libpackage-stash-xs-perl libpadwalker-perl libparams-classify-perl
  libparams-util-perl libparams-validationcompiler-perl libreadonly-perl libref-util-perl libref-util-xs-perl
  librole-tiny-perl libspecio-perl libsub-exporter-perl libsub-exporter-progressive-perl libsub-identify-perl
  libsub-install-perl libsub-name-perl libsub-quote-perl libvariable-magic-perl libxstring-perl mariadb-common
  mysql-common unzip
Suggested packages:
  libmldbm-perl libnet-daemon-perl libsql-statement-perl libscalar-number-perl libtest-fatal-perl zip
The following NEW packages will be installed:
  html2text libalgorithm-c3-perl libb-hooks-endofscope-perl libb-hooks-op-check-perl libclass-c3-perl
  libclass-c3-xs-perl libclass-data-inheritable-perl libclass-inspector-perl libclass-method-modifiers-perl
  libclass-singleton-perl libclass-xsaccessor-perl libdata-optlist-perl libdatetime-locale-perl libdatetime-perl
  libdatetime-timezone-perl libdbd-mysql-perl libdbi-perl libdevel-callchecker-perl libdevel-caller-perl
  libdevel-lexalias-perl libdevel-stacktrace-perl libdynaloader-functions-perl libencode-detect-perl
  libeval-closure-perl libexception-class-perl libfile-sharedir-perl libio-pty-perl libmariadb3
  libmodule-implementation-perl libmodule-runtime-perl libmro-compat-perl libnamespace-autoclean-perl
  libnamespace-clean-perl libpackage-stash-perl libpackage-stash-xs-perl libpadwalker-perl libparams-classify-perl
  libparams-util-perl libparams-validationcompiler-perl libreadonly-perl libref-util-perl libref-util-xs-perl
  librole-tiny-perl libspecio-perl libsub-exporter-perl libsub-exporter-progressive-perl libsub-identify-perl
  libsub-install-perl libsub-name-perl libsub-quote-perl libvariable-magic-perl libxstring-perl mariadb-common
  mysql-common unzip usermin webmin
0 upgraded, 57 newly installed, 0 to remove and 0 not upgraded.
Need to get 42.5 MB of archives.
After this operation, 265 MB 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 libio-pty-perl amd64 1:1.17-1 [34.9 kB]
Get:2 http://ftp.debian.org/debian bookworm/main amd64 unzip amd64 6.0-28 [166 kB]
Get:3 http://ftp.debian.org/debian bookworm/main amd64 html2text amd64 1.3.2a-28 [95.0 kB]
Get:4 http://ftp.debian.org/debian bookworm/main amd64 libalgorithm-c3-perl all 0.11-2 [10.8 kB]
Get:5 http://ftp.debian.org/debian bookworm/main amd64 libb-hooks-op-check-perl amd64 0.22-2+b1 [10.5 kB]

```

Une fois cela installé, webmin utilise le port 10000. Donc pour y accéder, allez dans un navigateur tapé `https://l'ipdevotreserveur:10000`. Dans mon cas `https://192.168.1.112:10000` puis avoir eu un message de sécurité chrome :



You must enter a username and password to login to the server on 192.168.1.112

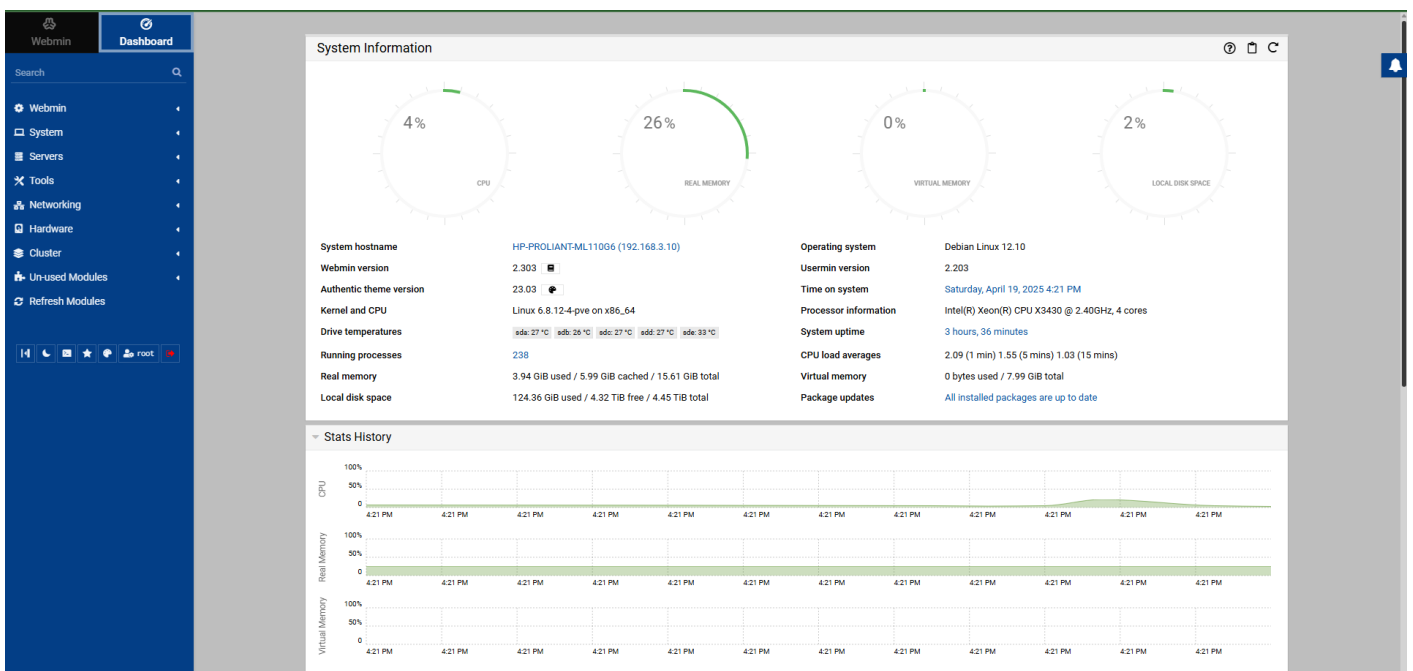


Remember me



Sign in

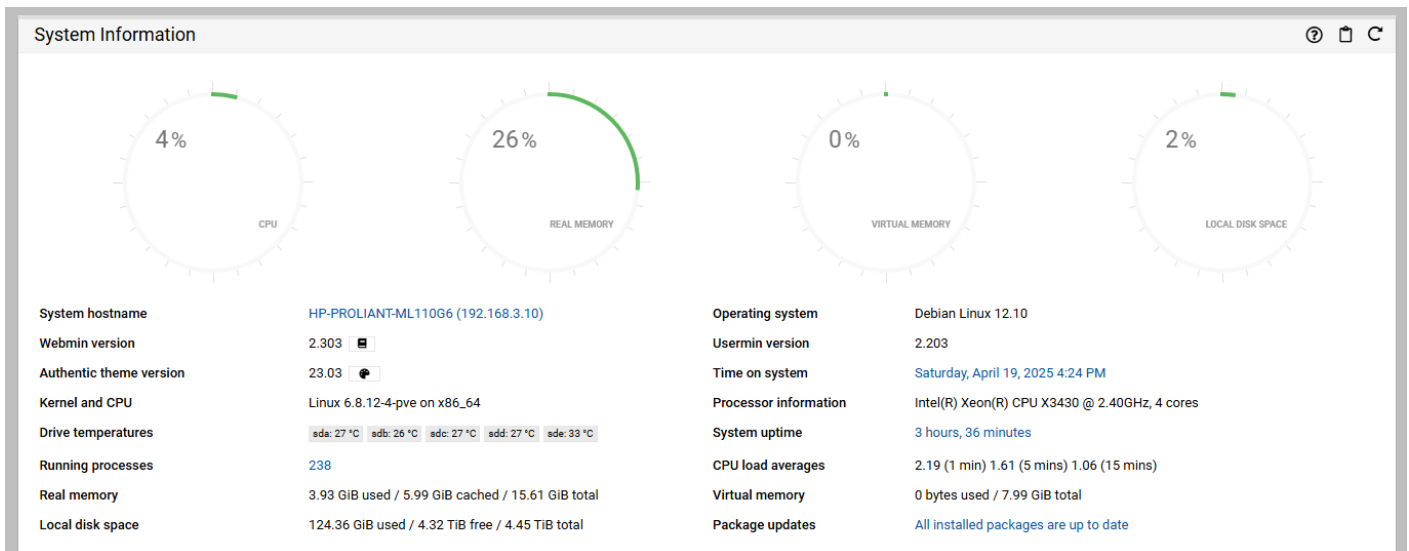
Dans mon cas actuellement, je me connecte avec l'utilisateur root et le mot de passe rattaché à lui sur debian pour arrivé ici :



L'installation est donc finit.

2-Avoir la température CPU

Dans webmin, on peut voir les température du CPU, mais pour cela il faut le configurer. 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

3 %

CPU

25 %

REAL MEMORY

0 %

VIRTUAL MEMORY

2 %

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		