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LYNIS (Audit System Tools)

Installation

```
sudo apt update && sudo apt install lynis
```

Manuel

```
lynis
```

Audit System

```
lynis audit system
```


[+] Initializing program
NON-PRIVILEGED SCAN MODE
NOTES:
* Some tests will be skipped (as they require root permissions)
* Some tests might fail silently or give different results
- Detecting OS... [DONE]
- Checking profiles... [DONE]
- Detecting language and localization [fr]
Program version: 3.0.9
Operating system: Linux
Operating system name: Ubuntu
Operating system version: 24.04
Kernel version: 6.8.0
Hardware platform: x86_64
Hostname: Latitude-7410
Profiles: /etc/lynis/default.prf
Log file: /home/sylvain/lynis.log
Report file: /home/sylvain/lynis-report.dat
Report version: 1.0
Plugin directory: /etc/lynis/plugins
Auditor: [Not Specified]
Language: fr
Test category: all
Test group: all
- Program update status... [PAS DE MISE A JOUR]
[+] Outils système
- Scanning available tools...
- Checking system binaries...
[+] Plugins (phase 1)
Note : Les plugins ont des tests plus poussés qui peuvent prendre plusieurs minutes
- Plugin: debian
[
[+] Debian Tests

Score

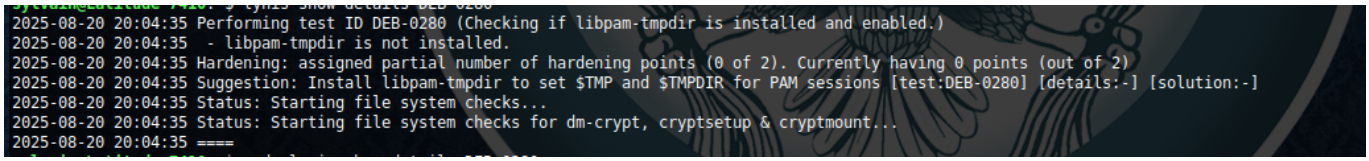
```
Lynis security scan details:

Hardening index : 49 [#########           ]
Tests performed : 239
Plugins enabled : 1

Components:
- Firewall               [V]
- Malware scanner        [V]

Scan mode:
Normal [ ]  Forensics [ ]  Integration [ ]  Pentest [V] (running non-privileged)

Lynis modules:
- Compliance status      [?]
- Security audit         [V]
- Vulnerability scan     [V]

Files:
- Test and debug information      : /home/[redacted]/lynis.log
- Report data                     : /home/[redacted]/lynis-report.dat
```

Report

```
Great, no warnings

Suggestions (44):
-----------------------------
* This release is more than 4 months old. Check the website or GitHub to see if there is an update available. [LYNIS]
    https://cisofy.com/lynis/controls/LYNIS/

* Install libpam-tmpdir to set $TMP and $TMPDIR for PAM sessions [DEB-0280]
    https://cisofy.com/lynis/controls/DEB-0280/

* Install apt-listbugs to display a list of critical bugs prior to each APT installation. [DEB-0810]
    https://cisofy.com/lynis/controls/DEB-0810/

* Install apt-listchanges to display any significant changes prior to any upgrade via APT. [DEB-0811]
    https://cisofy.com/lynis/controls/DEB-0811/

* Install needrestart, alternatively to debian-goodies, so that you can run needrestart after upgrades to determine which daemons are using ol
EB-0831]
    https://cisofy.com/lynis/controls/DEB-0831/

* Install fail2ban to automatically ban hosts that commit multiple authentication errors. [DEB-0880]
    https://cisofy.com/lynis/controls/DEB-0880/

* Set a password on GRUB boot loader to prevent altering boot configuration (e.g. boot in single user mode without password) [BOOT-5122]
    https://cisofy.com/lynis/controls/BOOT-5122/

* Consider hardening system services [BOOT-5264]
  - Details  : Run '/usr/bin/systemd-analyze security SERVICE' for each service
    https://cisofy.com/lynis/controls/BOOT-5264/

* If not required, consider explicit disabling of core dump in /etc/security/limits.conf file [KRNL-5820]
    https://cisofy.com/lynis/controls/KRNL-5820/

* Check the output of ps for dead or zombie processes [PROC-3612]
    https://cisofy.com/lynis/controls/PROC-3612/

* Run pwck manually and correct any errors in the password file [AUTH-9228]
    https://cisofy.com/lynis/controls/AUTH-9228/

* Configure password hashing rounds in /etc/login.defs [AUTH-9230]
    https://cisofy.com/lynis/controls/AUTH-9230/

* Configure minimum password age in /etc/login.defs [AUTH-9286]
    https://cisofy.com/lynis/controls/AUTH-9286/

* Configure maximum password age in /etc/login.defs [AUTH-9286]
    https://cisofy.com/lynis/controls/AUTH-9286/

* Default umask in /etc/login.defs could be more strict like 027 [AUTH-9328]
    https://cisofy.com/lynis/controls/AUTH-9328/

* To decrease the impact of a full /home file system, place /home on a separate partition [FILE-6310]
    https://cisofy.com/lynis/controls/FILE-6310/

* To decrease the impact of a full /tmp file system, place /tmp on a separate partition [FILE-6310]
    https://cisofy.com/lynis/controls/FILE-6310/
```

Remédiation

```
lynis show details DEB-0280
```



En cours de Rédaction !!