

[Lynis 3.0.9]

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#####
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See the LICENSE file for details about using this software.
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2007-2021, CISOfy - https://cisofy.com/lynis/
Enterprise support available (compliance, plugins, interface and tools)
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#####
```

[+] Initializing program

```
-----
- Detecting OS... [ DONE ]
- Checking profiles... [ DONE ]
```

```
-----
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:             ip-172-31-89-106
-----
Profiles:             /etc/lynis/default.prf
Log file:             /var/log/lynis.log
Report file:          /var/log/lynis-report.dat
Report version:       1.0
Plugin directory:     /etc/lynis/plugins
-----
Auditor:              [Not Specified]
Language:             en
Test category:        all
Test group:           all
-----
```

```
- Program update status... [ NO UPDATE ]
```

[+] System tools

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-----
- Scanning available tools...
- Checking system binaries...
```

[+] Plugins (phase 1)

```
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Note: plugins have more extensive tests and may take several minutes to complete
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```
- Plugin: debian
[
```

[+] Debian Tests

```
-----
- Checking for system binaries that are required by Debian Tests...
- Checking /bin... [ FOUND ]
- Checking /sbin... [ FOUND ]
- Checking /usr/bin... [ FOUND ]
- Checking /usr/sbin... [ FOUND ]
- Checking /usr/local/bin... [ FOUND ]
- Checking /usr/local/sbin... [ FOUND ]
- Authentication:
- PAM (Pluggable Authentication Modules):
- libpam-tmpdir [ Not Installed ]
- File System Checks:
- DM-Crypt, Cryptsetup & Cryptmount:
- Checking / on /dev/xvda1 [ NOT ENCRYPTED ]
- Checking /snap/amazon-ssm-agent/9881 on /var/lib/snapd/snaps/amazon-ssm-agent_9881.snap [ NOT ENCRYPTED ]
- Checking /snap/core22/1748 on /var/lib/snapd/snaps/core22_1748.snap [ NOT ENCRYPTED ]
- Checking /snap/snapd/23545 on /var/lib/snapd/snaps/snapd_23545.snap [ NOT ENCRYPTED ]
- Checking /boot on /dev/xvda16 [ NOT ENCRYPTED ]
- Checking /boot/efi on /dev/xvda15 [ NOT ENCRYPTED ]
- Software:
- apt-listbugs [ Not Installed ]
- apt-listchanges [ Not Installed ]
- needrestart [ Installed ]
- fail2ban [ Installed with jail.conf ]
]
```

[+] **Boot and services**

```
-----
- Service Manager [ systemd ]
- Checking UEFI boot [ DISABLED ]
- Checking presence GRUB2 [ FOUND ]
- Checking for password protection [ NONE ]
- Check running services (systemctl) [ DONE ]
Result: found 26 running services
- Check enabled services at boot (systemctl) [ DONE ]
Result: found 53 enabled services
- Check startup files (permissions) [ OK ]
- Running 'systemd-analyze security'
- ModemManager.service: [ MEDIUM ]
- acpid.service: [ UNSAFE ]
- chrony.service: [ PROTECTED ]
- containerd.service: [ UNSAFE ]
- cron.service: [ UNSAFE ]
- dbus.service: [ UNSAFE ]
- dm-event.service: [ UNSAFE ]
- dmesg.service: [ UNSAFE ]
- docker.service: [ UNSAFE ]
- emergency.service: [ UNSAFE ]
- fail2ban.service: [ UNSAFE ]
- getty@tty1.service: [ UNSAFE ]
- hibinit-agent.service: [ UNSAFE ]
- irqbalance.service: [ EXPOSED ]
- iscsid.service: [ UNSAFE ]
- lvm2-lvmpolld.service: [ UNSAFE ]
- lynis.service: [ UNSAFE ]
- multipathd.service: [ UNSAFE ]
- networkd-dispatcher.service: [ UNSAFE ]
- open-vm-tools.service: [ UNSAFE ]
- packagekit.service: [ UNSAFE ]
- plymouth-start.service: [ UNSAFE ]
- polkit.service: [ PROTECTED ]
- rc-local.service: [ UNSAFE ]
- rescue.service: [ UNSAFE ]
- rsyslog.service: [ MEDIUM ]
- serial-getty@ttyS0.service: [ UNSAFE ]
- snap.amazon-ssm-agent.amazon-ssm-agent.service: [ UNSAFE ]
- snapd.service: [ UNSAFE ]
- ssh.service: [ UNSAFE ]
- systemd-ask-password-console.service: [ UNSAFE ]
- systemd-ask-password-plymouth.service: [ UNSAFE ]
- systemd-ask-password-wall.service: [ UNSAFE ]
- systemd-bsod.service: [ UNSAFE ]
- systemd-fsckd.service: [ UNSAFE ]
- systemd-initctl.service: [ UNSAFE ]
- systemd-journald.service: [ PROTECTED ]
- systemd-logind.service: [ PROTECTED ]
- systemd-networkd.service: [ PROTECTED ]
- systemd-resolved.service: [ PROTECTED ]
- systemd-rfkill.service: [ UNSAFE ]
- systemd-udevd.service: [ MEDIUM ]
- tpm-udev.service: [ UNSAFE ]
- ubuntu-advantage.service: [ UNSAFE ]
- udisks2.service: [ UNSAFE ]
- unattended-upgrades.service: [ UNSAFE ]
- user@1000.service: [ UNSAFE ]
- uidd.service: [ MEDIUM ]
- vgauth.service: [ UNSAFE ]
```

[+] **Kernel**

```
-----
- Checking default run level [ RUNLEVEL 5 ]
- Checking CPU support (NX/PAE)
CPU support: PAE and/or NoeXecute supported [ FOUND ]
- Checking kernel version and release [ DONE ]
- Checking kernel type [ DONE ]
- Checking loaded kernel modules [ DONE ]
Found 50 active modules
- Checking Linux kernel configuration file [ FOUND ]
- Checking default I/O kernel scheduler [ NOT FOUND ]
- Checking for available kernel update [ OK ]
- Checking core dumps configuration
- configuration in systemd conf files [ DEFAULT ]
- configuration in /etc/profile [ DEFAULT ]
```

- 'hard' configuration in /etc/security/limits.conf [DEFAULT]
- 'soft' configuration in /etc/security/limits.conf [DEFAULT]
- Checking setuid core dumps configuration [PROTECTED]
- Check if reboot is needed [YES]

[+] Memory and Processes

- Checking /proc/meminfo [FOUND]
- Searching for dead/zombie processes [NOT FOUND]
- Searching for IO waiting processes [NOT FOUND]
- Search prelink tooling [NOT FOUND]

[+] Users, Groups and Authentication

- Administrator accounts [OK]
- Unique UIDs [OK]
- Consistency of group files (grpck) [OK]
- Unique group IDs [OK]
- Unique group names [OK]
- Password file consistency [OK]
- Password hashing methods [OK]
- Checking password hashing rounds [DISABLED]
- Query system users (non daemons) [DONE]
- NIS+ authentication support [NOT ENABLED]
- NIS authentication support [NOT ENABLED]
- Sudoers file(s) [FOUND]
- Permissions for directory: /etc/sudoers.d [OK]
- Permissions for: /etc/sudoers [OK]
- Permissions for: /etc/sudoers.d/90-cloud-init-users [OK]
- Permissions for: /etc/sudoers.d/README [OK]
- PAM password strength tools [SUGGESTION]
- PAM configuration files (pam.conf) [FOUND]
- PAM configuration files (pam.d) [FOUND]
- PAM modules [FOUND]
- LDAP module in PAM [NOT FOUND]
- Accounts without expire date [OK]
- Accounts without password [OK]
- Locked accounts [FOUND]
- Checking user password aging (minimum) [DISABLED]
- User password aging (maximum) [DISABLED]
- Checking expired passwords [OK]
- Checking Linux single user mode authentication [OK]
- Determining default umask
- umask (/etc/profile) [NOT FOUND]
- umask (/etc/login.defs) [SUGGESTION]
- LDAP authentication support [NOT ENABLED]
- Logging failed login attempts [ENABLED]

[+] Shells

- Checking shells from /etc/shells
- Result: found 9 shells (valid shells: 9).
- Session timeout settings/tools [NONE]
 - Checking default umask values
 - Checking default umask in /etc/bash.bashrc [NONE]
 - Checking default umask in /etc/profile [NONE]

[+] File systems

- Checking mount points
- Checking /home mount point [SUGGESTION]
- Checking /tmp mount point [SUGGESTION]
- Checking /var mount point [SUGGESTION]
- Query swap partitions (fstab) [NONE]
- Testing swap partitions [OK]
- Testing /proc mount (hidepid) [SUGGESTION]
- Checking for old files in /tmp [OK]
- Checking /tmp sticky bit [OK]
- Checking /var/tmp sticky bit [OK]
- ACL support root file system [ENABLED]
- Mount options of / [NON DEFAULT]
- Mount options of /boot [DEFAULT]
- Mount options of /dev [HARDENED]
- Mount options of /dev/shm [PARTIALLY HARDENED]
- Mount options of /run [HARDENED]
- Total without nodev:6 noexec:11 nosuid:7 ro or noexec (W^X): 8 of total 26
- Disable kernel support of some filesystems

[+] USB Devices

- Checking usb-storage driver (modprobe config) [NOT DISABLED]
- Checking USB devices authorization [DISABLED]
- Checking USBGuard [NOT FOUND]

[+] Storage

- Checking firewire ohci driver (modprobe config) [DISABLED]

[+] NFS

- Check running NFS daemon [NOT FOUND]

[+] Name services

- Checking search domains [FOUND]
 - Checking /etc/resolv.conf options [FOUND]
 - Searching DNS domain name [FOUND]
- Domain name: ec2.internal
- Checking /etc/hosts
 - Duplicate entries in hosts file [NONE]
 - Presence of configured hostname in /etc/hosts [NOT FOUND]
 - Hostname mapped to localhost [NOT FOUND]
 - Localhost mapping to IP address [OK]

[+] Ports and packages

- Searching package managers
 - Searching dpkg package manager [FOUND]
 - Querying package manager
 - Query unpurged packages [NONE]
 - Checking security repository in sources.list.d directory [OK]
 - Checking APT package database [OK]
 - Checking vulnerable packages [OK]
 - Checking upgradeable packages [SKIPPED]
 - Checking package audit tool [INSTALLED]
- Found: apt-check
- Toolkit for automatic upgrades (unattended-upgrade) [FOUND]

[+] Networking

- Checking IPv6 configuration [ENABLED]
- Configuration method [AUTO]
- IPv6 only [NO]
- Checking configured nameservers
 - Testing nameservers
- Nameserver: 127.0.0.53 [OK]
- DNSSEC supported (systemd-resolved) [UNKNOWN]
 - Getting listening ports (TCP/UDP) [DONE]
 - Checking promiscuous interfaces [OK]
 - Checking status DHCP client
 - Checking for ARP monitoring software [NOT FOUND]
 - Uncommon network protocols [0]

[+] Printers and Spools

- Checking cups daemon [NOT FOUND]
- Checking lp daemon [NOT RUNNING]

[+] Software: e-mail and messaging**[+] Software: firewalls**

- Checking iptables kernel module [FOUND]
- Checking iptables policies of chains [FOUND]
- Checking for empty ruleset [OK]
- Checking for unused rules [FOUND]
- Checking host based firewall [ACTIVE]

[+] Software: webserver

- Checking Apache [NOT FOUND]
- Checking nginx [NOT FOUND]

[+] SSH Support

- Checking running SSH daemon [**FOUND**]
- Searching SSH configuration [**FOUND**]
- OpenSSH option: AllowTcpForwarding [**SUGGESTION**]
- OpenSSH option: ClientAliveCountMax [**SUGGESTION**]
- OpenSSH option: ClientAliveInterval [**OK**]
- OpenSSH option: FingerprintHash [**OK**]
- OpenSSH option: GatewayPorts [**OK**]
- OpenSSH option: IgnoreRhosts [**OK**]
- OpenSSH option: LoginGraceTime [**OK**]
- OpenSSH option: LogLevel [**SUGGESTION**]
- OpenSSH option: MaxAuthTries [**SUGGESTION**]
- OpenSSH option: MaxSessions [**SUGGESTION**]
- OpenSSH option: PermitRootLogin [**OK**]
- OpenSSH option: PermitUserEnvironment [**OK**]
- OpenSSH option: PermitTunnel [**OK**]
- OpenSSH option: Port [**SUGGESTION**]
- OpenSSH option: PrintLastLog [**OK**]
- OpenSSH option: StrictModes [**OK**]
- OpenSSH option: TCPKeepAlive [**SUGGESTION**]
- OpenSSH option: UseDNS [**OK**]
- OpenSSH option: X11Forwarding [**SUGGESTION**]
- OpenSSH option: AllowAgentForwarding [**SUGGESTION**]
- OpenSSH option: AllowUsers [**NOT FOUND**]
- OpenSSH option: AllowGroups [**NOT FOUND**]

[+] **SNMP Support**

- Checking running SNMP daemon [**NOT FOUND**]

[+] **Databases**

No database engines found

[+] **LDAP Services**

- Checking OpenLDAP instance [**NOT FOUND**]

[+] **PHP**

- Checking PHP [**NOT FOUND**]

[+] **Squid Support**

- Checking running Squid daemon [**NOT FOUND**]

[+] **Logging and files**

- Checking for a running log daemon [**OK**]
- Checking Syslog-NG status [**NOT FOUND**]
- Checking systemd journal status [**FOUND**]
- Checking Metalog status [**NOT FOUND**]
- Checking RSyslog status [**FOUND**]
- Checking RFC 3195 daemon status [**NOT FOUND**]
- Checking minilogd instances [**NOT FOUND**]
- Checking logrotate presence [**OK**]
- Checking remote logging [**NOT ENABLED**]
- Checking log directories (static list) [**DONE**]
- Checking open log files [**DONE**]
- Checking deleted files in use [**FILES FOUND**]

[+] **Insecure services**

- Installed inetd package [**NOT FOUND**]
- Installed xinetd package [**OK**]
- xinetd status
- Installed rsh client package [**OK**]
- Installed rsh server package [**OK**]
- Installed telnet client package [**OK**]
- Installed telnet server package [**NOT FOUND**]
- Checking NIS client installation [**OK**]
- Checking NIS server installation [**OK**]
- Checking TFTP client installation [**OK**]
- Checking TFTP server installation [**OK**]

[+] **Banners and identification**

- /etc/issue [**FOUND**]
- /etc/issue contents [**WEAK**]

- /etc/issue.net [**FOUND**]
- /etc/issue.net contents [**WEAK**]

[+] **Scheduled tasks**

- Checking crontab and cronjob files [**DONE**]

[+] **Accounting**

- Checking accounting information [**NOT FOUND**]
- Checking sysstat accounting data [**DISABLED**]
- Checking auditd [**NOT FOUND**]

[+] **Time and Synchronization**

[+] **Cryptography**

- Checking for expired SSL certificates [0/150] [**NONE**]
- WARNING:** Test CRYPT-7902 had a long execution: 11.379959 seconds
- Found 0 encrypted and 0 unencrypted swap devices in use. [**OK**]
- Kernel entropy is sufficient [**YES**]
- HW RNG & rngd [**NO**]
- SW prng [**NO**]
- MOR variable not found [**WEAK**]

[+] **Virtualization**

[+] **Containers**

- Docker
- Docker daemon [**RUNNING**]
- Docker info output (warnings) [**NONE**]
- Containers
- Total containers [**0**]
- File permissions [**OK**]

[+] **Security frameworks**

- Checking presence AppArmor [**FOUND**]
- Checking AppArmor status [**ENABLED**]
- Found 37 unconfined processes
- Checking presence SELinux [**NOT FOUND**]
- Checking presence TOMOYO Linux [**NOT FOUND**]
- Checking presence grsecurity [**NOT FOUND**]
- Checking for implemented MAC framework [**OK**]

[+] **Software: file integrity**

- Checking file integrity tools
- dm-integrity (status) [**DISABLED**]
- dm-verity (status) [**DISABLED**]
- Checking presence integrity tool [**NOT FOUND**]

[+] **Software: System tooling**

- Checking automation tooling
- Automation tooling [**NOT FOUND**]
- Checking presence of Fail2ban [**FOUND**]
- Checking Fail2ban jails [**ENABLED**]
- Checking for IDS/IPS tooling [**FOUND**]

[+] **Software: Malware**

- Malware software components [**NOT FOUND**]

[+] **File Permissions**

- Starting file permissions check
- File: /boot/grub/grub.cfg [**OK**]
- File: /etc/crontab [**SUGGESTION**]
- File: /etc/group [**OK**]
- File: /etc/group- [**OK**]
- File: /etc/hosts.allow [**OK**]
- File: /etc/hosts.deny [**OK**]

```

File: /etc/issue [ OK ]
File: /etc/issue.net [ OK ]
File: /etc/passwd [ OK ]
File: /etc/passwd- [ OK ]
File: /etc/ssh/sshd_config [ SUGGESTION ]
Directory: /root/.ssh [ OK ]
Directory: /etc/cron.d [ SUGGESTION ]
Directory: /etc/cron.daily [ SUGGESTION ]
Directory: /etc/cron.hourly [ SUGGESTION ]
Directory: /etc/cron.weekly [ SUGGESTION ]
Directory: /etc/cron.monthly [ SUGGESTION ]

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[+] Home directories

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-----
- Permissions of home directories [ OK ]
- Ownership of home directories [ OK ]
- Checking shell history files [ OK ]

```

[+] Kernel Hardening

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-----
- Comparing sysctl key pairs with scan profile
- dev.tty.ldisc_autoload (exp: 0) [ DIFFERENT ]
- fs.protected_fifos (exp: 2) [ DIFFERENT ]
- fs.protected_hardlinks (exp: 1) [ OK ]
- fs.protected_regular (exp: 2) [ OK ]
- fs.protected_symlinks (exp: 1) [ OK ]
- fs.suid_dumpable (exp: 0) [ DIFFERENT ]
- kernel.core_uses_pid (exp: 1) [ DIFFERENT ]
- kernel.ctrl-alt-del (exp: 0) [ OK ]
- kernel.dmesg_restrict (exp: 1) [ OK ]
- kernel.kptr_restrict (exp: 2) [ DIFFERENT ]
- kernel.modules_disabled (exp: 1) [ DIFFERENT ]
- kernel.perf_event_paranoid (exp: 3) [ DIFFERENT ]
- kernel.randomize_va_space (exp: 2) [ OK ]
- kernel.sysrq (exp: 0) [ DIFFERENT ]
- kernel.unprivileged_bpf_disabled (exp: 1) [ DIFFERENT ]
- kernel.yama_ptrace_scope (exp: 1 2 3) [ OK ]
- net.core.bpf_jit_harden (exp: 2) [ DIFFERENT ]
- net.ipv4.conf.all.accept_redirects (exp: 0) [ OK ]
- net.ipv4.conf.all.accept_source_route (exp: 0) [ OK ]
- net.ipv4.conf.all.bootp_relay (exp: 0) [ OK ]
- net.ipv4.conf.all.forwarding (exp: 0) [ DIFFERENT ]
- net.ipv4.conf.all.log_martians (exp: 1) [ DIFFERENT ]
- net.ipv4.conf.all.mc_forwarding (exp: 0) [ OK ]
- net.ipv4.conf.all.proxy_arp (exp: 0) [ OK ]
- net.ipv4.conf.all.rp_filter (exp: 1) [ DIFFERENT ]
- net.ipv4.conf.all.send_redirects (exp: 0) [ DIFFERENT ]
- net.ipv4.conf.default.accept_redirects (exp: 0) [ DIFFERENT ]
- net.ipv4.conf.default.accept_source_route (exp: 0) [ DIFFERENT ]
- net.ipv4.conf.default.log_martians (exp: 1) [ DIFFERENT ]
- net.ipv4.icmp_echo_ignore_broadcasts (exp: 1) [ OK ]
- net.ipv4.icmp_ignore_bogus_error_responses (exp: 1) [ OK ]
- net.ipv4.tcp_syncookies (exp: 1) [ OK ]
- net.ipv4.tcp_timestamps (exp: 0 1) [ OK ]
- net.ipv6.conf.all.accept_redirects (exp: 0) [ DIFFERENT ]
- net.ipv6.conf.all.accept_source_route (exp: 0) [ OK ]
- net.ipv6.conf.default.accept_redirects (exp: 0) [ DIFFERENT ]
- net.ipv6.conf.default.accept_source_route (exp: 0) [ OK ]

```

[+] Hardening

```

-----
- Installed compiler(s) [ NOT FOUND ]
- Installed malware scanner [ NOT FOUND ]
- Non-native binary formats [ FOUND ]

```

[+] Custom tests

```

-----
- Running custom tests... [ NONE ]

```

[+] Plugins (phase 2)

```

=====
-[ Lynis 3.0.9 Results ]-

```

Warnings (1):

! Reboot of system is most likely needed [KRNL-5830]
- Solution : reboot
<https://cisofy.com/lynis/controls/KRNL-5830/>

Suggestions (47):

- * This release is more than 4 months old. Check the website or GitHub to see if there is an update available. [
<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/>
- * Copy /etc/fail2ban/jail.conf to jail.local to prevent it being changed by updates. [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 with
<https://cisofy.com/lynis/controls/B00T-5122/>
- * Consider hardening system services [B00T-5264]
- Details : Run `'/usr/bin/systemd-analyze security SERVICE'` for each service
<https://cisofy.com/lynis/controls/B00T-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/>
- * Configure password hashing rounds in /etc/login.defs [AUTH-9230]
<https://cisofy.com/lynis/controls/AUTH-9230/>
- * Install a PAM module for password strength testing like pam_cracklib or pam_passwdqc [AUTH-9262]
<https://cisofy.com/lynis/controls/AUTH-9262/>
- * Look at the locked accounts and consider removing them [AUTH-9284]
<https://cisofy.com/lynis/controls/AUTH-9284/>
- * 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/>
- * To decrease the impact of a full /var file system, place /var on a separate partition [FILE-6310]
<https://cisofy.com/lynis/controls/FILE-6310/>
- * Disable drivers like USB storage when not used, to prevent unauthorized storage or data theft [USB-1000]
<https://cisofy.com/lynis/controls/USB-1000/>
- * Add the IP name and FQDN to /etc/hosts for proper name resolving [NAME-4404]
<https://cisofy.com/lynis/controls/NAME-4404/>
- * Install debsums utility for the verification of packages with known good database. [PKGS-7370]
<https://cisofy.com/lynis/controls/PKGS-7370/>
- * Install package apt-show-versions for patch management purposes [PKGS-7394]
<https://cisofy.com/lynis/controls/PKGS-7394/>
- * Determine if protocol 'dccp' is really needed on this system [NETW-3200]
<https://cisofy.com/lynis/controls/NETW-3200/>
- * Determine if protocol 'sctp' is really needed on this system [NETW-3200]
<https://cisofy.com/lynis/controls/NETW-3200/>
- * Determine if protocol 'rds' is really needed on this system [NETW-3200]
<https://cisofy.com/lynis/controls/NETW-3200/>

- * Determine if protocol 'tipc' is really needed on this system [NETW-3200]
<https://cisofy.com/lynis/controls/NETW-3200/>
- * Check iptables rules to see which rules are currently not used [FIRE-4513]
<https://cisofy.com/lynis/controls/FIRE-4513/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [AllowTcpForwarding \(set YES to NO\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [ClientAliveCountMax \(set 3 to 2\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [LogLevel \(set INFO to VERBOSE\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [MaxAuthTries \(set 6 to 3\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [MaxSessions \(set 10 to 2\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [Port \(set 22 to \)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [TCPKeepAlive \(set YES to NO\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [X11Forwarding \(set YES to NO\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Consider hardening SSH configuration [SSH-7408]
 - Details : [AllowAgentForwarding \(set YES to NO\)](#)
<https://cisofy.com/lynis/controls/SSH-7408/>
- * Enable logging to an external logging host for archiving purposes and additional protection [LOGG-2154]
<https://cisofy.com/lynis/controls/LOGG-2154/>
- * Check what deleted files are still in use and why. [LOGG-2190]
<https://cisofy.com/lynis/controls/LOGG-2190/>
- * Add a legal banner to /etc/issue, to warn unauthorized users [BANN-7126]
<https://cisofy.com/lynis/controls/BANN-7126/>
- * Add legal banner to /etc/issue.net, to warn unauthorized users [BANN-7130]
<https://cisofy.com/lynis/controls/BANN-7130/>
- * Enable process accounting [ACCT-9622]
<https://cisofy.com/lynis/controls/ACCT-9622/>
- * Enable sysstat to collect accounting (disabled) [ACCT-9626]
<https://cisofy.com/lynis/controls/ACCT-9626/>
- * Enable auditd to collect audit information [ACCT-9628]
<https://cisofy.com/lynis/controls/ACCT-9628/>
- * Install a file integrity tool to monitor changes to critical and sensitive files [FINT-4350]
<https://cisofy.com/lynis/controls/FINT-4350/>
- * Determine if automation tools are present for system management [TOOL-5002]
<https://cisofy.com/lynis/controls/TOOL-5002/>
- * Consider restricting file permissions [FILE-7524]
 - Details : [See screen output or log file](#)
 - Solution : Use chmod to change file permissions
<https://cisofy.com/lynis/controls/FILE-7524/>
- * One or more sysctl values differ from the scan profile and could be tweaked [KRNL-6000]
 - Solution : Change sysctl value or disable test (skip-test=KRNL-6000:<sysctl-key>)
<https://cisofy.com/lynis/controls/KRNL-6000/>

- * Harden the system by installing at least one malware scanner, to perform periodic file system scans [HRDN-723]
 - Solution : Install a tool like rkhunter, chkrootkit, OSSEC
<https://cisofy.com/lynis/controls/HRDN-7230/>

Follow-up:

- Show details of a test (lynis show details TEST-ID)
- Check the logfile for all details (less /var/log/lynis.log)
- Read security controls texts (<https://cisofy.com>)
- Use --upload to upload data to central system (Lynis Enterprise users)

Lynis security scan details:

Hardening index : 64 [#####]
 Tests performed : 258
 Plugins enabled : 1

Components:

- Firewall [V]
- Malware scanner [X]

Scan mode:

Normal [V] Forensics [] Integration [] Pentest []

Lynis modules:

- Compliance status [?]
- Security audit [V]
- Vulnerability scan [V]

Files:

- Test and debug information : /var/log/lynis.log
- Report data : /var/log/lynis-report.dat

Lynis 3.0.9

Auditing, system hardening, and compliance for UNIX-based systems
 (Linux, macOS, BSD, and others)

2007-2021, CISofy - <https://cisofy.com/lynis/>
 Enterprise support available (compliance, plugins, interface and tools)

[TIP]: Enhance Lynis audits by adding your settings to custom.prf (see /etc/lynis/default.prf for all settings)