



# Relatório Auditoria de Segurança



[ Lynis 3.0.8 ]

#####

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2007-2021, CIS0fy - <https://cisofy.com/lynis/>

Enterprise support available (compliance, plugins, interface and tools)

#####

#### [+] Initializing program

-----

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

-----

Program version: 3.0.8  
Operating system: Linux  
Operating system name: Ubuntu  
Operating system version: 20.04  
Kernel version: 5.4.0  
Hardware platform: x86\_64  
Hostname: ubuntu

-----

Profiles: /etc/lynis/default.prf  
Log file: /var/log/lynis.log  
Report file: /var/log/lynis-report.dat  
Report version: 1.0  
Plugin directory: /usr/share/lynis/plugins

-----

Auditor: B.E SecureIT  
Language: en  
Test category: all  
Test group: all

-----

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

#### [+] System tools

-----

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

#### [+] Plugins (phase 1)

-----

Note: plugins have more extensive tests and may take several minutes to complete

- Plugins enabled [ **NONE** ]

#### [+] 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 25 running services
- Check enabled services at boot (systemctl) [ **DONE** ]  
Result: found 64 enabled services
- Check startup files (permissions) [ **OK** ]
- Running 'systemd-analyze security'
- ModemManager.service: [ **MEDIUM** ]
- accounts-daemon.service: [ **UNSAFE** ]
- apport.service: [ **UNSAFE** ]
- atd.service: [ **UNSAFE** ]
- auditd.service: [ **UNSAFE** ]
- cloud-init-hotplugd.service: [ **UNSAFE** ]
- cron.service: [ **UNSAFE** ]
- dbus.service: [ **UNSAFE** ]
- dm-event.service: [ **UNSAFE** ]
- dmesg.service: [ **UNSAFE** ]
- emergency.service: [ **UNSAFE** ]
- getty@tty1.service: [ **UNSAFE** ]
- irqbalance.service: [ **MEDIUM** ]
- iscsid.service: [ **UNSAFE** ]
- lvm2-lvmpolld.service: [ **UNSAFE** ]
- lxd-agent.service: [ **UNSAFE** ]
- multipathd.service: [ **UNSAFE** ]
- networkd-dispatcher.service: [ **UNSAFE** ]
- ondemand.service: [ **UNSAFE** ]
- open-vm-tools.service: [ **UNSAFE** ]

- packagekit.service: [ UNSAFE ]
- plymouth-start.service: [ UNSAFE ]
- polkit.service: [ UNSAFE ]
- rc-local.service: [ UNSAFE ]
- rescue.service: [ UNSAFE ]
- rsync.service: [ UNSAFE ]
- rsyslog.service: [ UNSAFE ]
- serial-getty@ttyS0.service: [ UNSAFE ]
- snap.lxd.daemon.service: [ UNSAFE ]
- snapd.aa-prompt-listener.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-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-timesyncd.service: [ PROTECTED ]
- systemd-udev.service: [ EXPOSED ]
- ubuntu-advantage.service: [ UNSAFE ]
- udisks2.service: [ UNSAFE ]
- unattended-upgrades.service: [ UNSAFE ]
- user@1000.service: [ UNSAFE ]
- uidd.service: [ PROTECTED ]
- vgauth.service: [ UNSAFE ]
- virtualbox-guest-utils.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 60 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 [ NO ]

#### [+] 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 [ SUGGESTION ]
- 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/README [ OK ]
- Permissions for: /etc/sudoers.d/90-cloud-init-users [ OK ]
- Permissions for: /etc/sudoers.d/vagrant [ 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 [ **SUGGESTION** ]
- 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 / [ **OK** ]
  - Mount options of /dev [ **HARDENED** ]
  - Mount options of /dev/shm [ **PARTIALLY HARDENED** ]
  - Mount options of /run [ **HARDENED** ]
  - Total without nodev:6 noexec:11 nosuid:9 ro or noexec (W^X): 6 of total 41
  - 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 [ **UNKNOWN** ]
  - Checking /etc/hosts
  - Duplicate entries in hosts file [ **NONE** ]
  - Presence of configured hostname in /etc/hosts [ **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 file [ **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) [ NO ]
- 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 [ WARNING ]
- Checking for unused rules [ OK ]
- 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: Compression [ SUGGESTION ]
- 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 ]
- Checking atd status [ RUNNING ]
- Checking at users [ DONE ]
- Checking at jobs [ NONE ]

[+] Accounting
-----
- Checking accounting information [ NOT FOUND ]
- Checking sysstat accounting data [ NOT FOUND ]
- Checking auditd [ ENABLED ]
- Checking audit rules [ OK ]
- Checking audit configuration file [ OK ]
- Checking auditd log file [ FOUND ]

[+] Time and Synchronization
-----

[+] Cryptography
-----
- Checking for expired SSL certificates [0/128] [ NONE ]

[WARNING]: Test CRYPT-7902 had a long execution: 19.909195 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
-----

[+] Security frameworks
-----
- Checking presence AppArmor [ FOUND ]
- Checking AppArmor status [ ENABLED ]
Found 46 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 for IDS/IPS tooling [ NONE ]
```

#### [+] **Software: Malware**

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

#### [+] **File Permissions**

```
-----
- Starting file permissions check
File: /boot/grub/grub.cfg [ OK ]
File: /etc/at.deny [ SUGGESTION ]
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 ]
```

#### [+] **Home directories**

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

#### [+] **Kernel Hardening**

```
-----
- 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) [ DIFFERENT ]
- kernel.kptr_restrict (exp: 2) [ DIFFERENT ]
- kernel.modules_disabled (exp: 1) [ DIFFERENT ]
- kernel.perf_event_paranoid (exp: 3) [ OK ]
- 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) [ DIFFERENT ]
- 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) [ OK ]
- 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 [ NOT FOUND ]
```

#### [+] Custom tests

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

#### [+] Plugins (phase 2)

```
-----
```

### -[ Lynis 3.0.8 Results ]-

#### Warnings (1):

```
-----  
! iptables module(s) loaded, but no rules active [FIRE-4512]  
  https://cisofy.com/lynis/controls/FIRE-4512/
```

#### Suggestions (45):

```
-----  
* 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/  
  
* 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 PAM configuration, add rounds if applicable and expire passwords to encrypt with new values [AUTH-9229]  
  https://cisofy.com/lynis/controls/AUTH-9229/  
  
* 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/  
  
* When possible set expire dates for all password protected accounts [AUTH-9282]  
  https://cisofy.com/lynis/controls/AUTH-9282/  
  
* 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/  
  
* Check DNS configuration for the dns domain name [NAME-4028]  
  https://cisofy.com/lynis/controls/NAME-4028/  
  
* 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/>
- \* 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 : **Compression** (set YES to NO)  
<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 (no results) [ACCT-9626]  
<https://cisofy.com/lynis/controls/ACCT-9626/>
- \* 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/>

- \* Double check the permissions of home directories as some might be not strict enough. [HOME-9304]  
<https://cisofy.com/lynis/controls/HOME-9304/>
- \* 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-7230]
  - 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 : 66 [##### ]  
Tests performed : 249  
Plugins enabled : 0

#### Components:

- Firewall [V]
- Malware scanner [X]

#### Scan mode:

Normal [ ] Forensics [ ] Integration [V] 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 3.0.8

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)