



Relatório Auditoria de Segurança



[Lynis 3.0.8]

#####

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2007-2021, CISOfy - <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

[WARNING]: Test B00T-5177 had a long execution: 10.338278 seconds

- 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**]
- fwupd.service: [**EXPOSED**]
- 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 ]
- 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**]

[WARNING]: Test PKGS-7392 had a long execution: 15.201568 seconds

- 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: 29.830346 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 47 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/ssh_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) [B00T-5122]
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/

* 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 [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 3.0.8

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)