

[Lynis 3.0.8]

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

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

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#####
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[+] Initializing program

```
#####
[2C- Detecting OS... ][41C [ DONE ]
[2C- Checking profiles...][37C [ DONE ]
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```
-----
Program version:      3.0.8
Operating system:     Linux
Operating system name: Debian
Operating system version: 12
Kernel version:       6.1.0
Hardware platform:    x86_64
Hostname:             Nessus-Debian
-----
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
-----
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```
[2C- Program update status... ][32C [ NO UPDATE ]
```

[+] System tools

```
#####
[2C- Scanning available tools...][30C
[2C- Checking system binaries...][30C
```

[+] Plugins (phase 1)

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#####
[0CNote: plugins have more extensive tests and may take several minutes to complete][0C
```

```
[0C [0C
```

```
[2C- Plugin: debian][21C
```

[+] Debian Tests

```
#####
[2C- Checking for system binaries that are required by Debian Tests...][0C
[4C- Checking /bin... ][38C [ FOUND ]
[4C- Checking /sbin... ][37C [ FOUND ]
[4C- Checking /usr/bin... ][34C [ FOUND ]
[4C- Checking /usr/sbin... ][33C [ FOUND ]
[4C- Checking /usr/local/bin... ][28C [ FOUND ]
[4C- Checking /usr/local/sbin... ][27C [ FOUND ]
[2C- Authentication:[42C
[4C- PAM (Pluggable Authentication Modules):[16C
[6C- libpam-tmpdir[40C [ Not Installed ]
[2C- File System Checks:[38C
[4C- DM-Crypt, Cryptsetup & Cryptmount:[21C
[2C- Software:[48C
[4C- apt-listbugs[43C [ Not Installed ]
[4C- apt-listchanges[40C [ Installed and enabled for apt ]
```

```
[4C- needrestart][44C [ Not Installed ]
[4C- fail2ban][47C [ Not Installed ]
]

[+] Boot and services
-----
[2C- Service Manager][42C [ systemd ]
[2C- Checking UEFI boot][39C [ DISABLED ]
[2C- Checking presence GRUB2][34C [ FOUND ]
[4C- Checking for password protection][23C [ NONE ]
[2C- Check running services (systemctl)[23C [ DONE ]
[8CResult: found 10 running services][20C
[2C- Check enabled services at boot (systemctl)[15C [ DONE ]
[8CResult: found 13 enabled services][20C
[2C- Check startup files (permissions)[24C [ OK ]
[2C- Running 'systemd-analyze security'[23C
[8C- anacron.service:[35C [ UNSAFE ]
[8C- cron.service:[38C [ UNSAFE ]
[8C- dbus.service:[38C [ UNSAFE ]
[8C- emergency.service:[33C [ UNSAFE ]
[8C- getty@tty1.service:[32C [ UNSAFE ]
[8C- ifup@enp0s3.service:[31C [ UNSAFE ]
[8C- lynis.service:[37C [ UNSAFE ]
[8C- rc-local.service:[34C [ UNSAFE ]
[8C- rescue.service:[36C [ UNSAFE ]
[8C- ssh.service:[39C [ UNSAFE ]
[8C- systemd-ask-password-console.service:[14C [ UNSAFE ]
[8C- systemd-ask-password-wall.service:[17C [ UNSAFE ]
[8C- systemd-fsckd.service:[29C [ UNSAFE ]
[8C- systemd-initctl.service:[27C [ UNSAFE ]
[8C- systemd-journald.service:[26C [ PROTECTED ]
[8C- systemd-logind.service:[28C [ PROTECTED ]
[8C- systemd-networkd.service:[26C [ PROTECTED ]
[8C- systemd-timesyncd.service:[25C [ PROTECTED ]
[8C- systemd-udev.service:[29C [ MEDIUM ]
[8C- user@1001.service:[33C [ UNSAFE ]
[8C- wpa_supplicant.service:[28C [ UNSAFE ]

[+] Kernel
-----
[2C- Checking default run level][31C [ RUNLEVEL 5 ]
[2C- Checking CPU support (NX/PAE)[28C
[4CCPU support: PAE and/or NoeXecute supported][14C [ FOUND ]
[2C- Checking kernel version and release][22C [ DONE ]
[2C- Checking kernel type][37C [ DONE ]
[2C- Checking loaded kernel modules][27C [ DONE ]
[6CFound 80 active modules][32C
[2C- Checking Linux kernel configuration file][17C [ FOUND ]
[2C- Checking default I/O kernel scheduler][20C [ NOT FOUND ]
[2C- Checking for available kernel update][21C [ OK ]
[2C- Checking core dumps configuration][24C
[4C- configuration in systemd conf files][20C [ DEFAULT ]
[4C- configuration in /etc/profile][26C [ DEFAULT ]
[4C- 'hard' configuration in /etc/security/limits.conf][6C [ DEFAULT ]
[4C- 'soft' configuration in /etc/security/limits.conf][6C [ DEFAULT ]
[4C- Checking setuid core dumps configuration][15C [ DISABLED ]
[2C- Check if reboot is needed][32C [ NO ]

[+] Memory and Processes
-----
[2C- Checking /proc/meminfo][35C [ FOUND ]
[2C- Searching for dead/zombie processes][22C [ NOT FOUND ]
[2C- Searching for IO waiting processes][23C [ NOT FOUND ]
[2C- Search prelink tooling][35C [ NOT FOUND ]

[+] Users, Groups and Authentication
-----
[2C- Administrator accounts][35C [ OK ]
[2C- Unique UIDs][46C [ OK ]
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[2C- Consistency of group files (grpck)][23C [ OK ]
[2C- Unique group IDs][41C [ OK ]
[2C- Unique group names][39C [ OK ]
[2C- Password file consistency][32C [ OK ]
[2C- Password hashing methods][33C [ OK ]
[2C- Checking password hashing rounds][25C [ DISABLED ]
[2C- Query system users (non daemons)][25C [ DONE ]
[2C- NIS+ authentication support][30C [ NOT ENABLED ]
[2C- NIS authentication support][31C [ NOT ENABLED ]
[2C- Sudoers file][45C [ NOT FOUND ]
[2C- PAM password strength tools][30C [ SUGGESTION ]
[2C- PAM configuration files (pam.conf)][23C [ FOUND ]
[2C- PAM configuration files (pam.d)][26C [ FOUND ]
[2C- PAM modules][46C [ FOUND ]
[2C- LDAP module in PAM][39C [ NOT FOUND ]
[2C- Accounts without expire date][29C [ SUGGESTION ]
[2C- Accounts without password][32C [ OK ]
[2C- Locked accounts][42C [ OK ]
[2C- Checking user password aging (minimum)[19C [ DISABLED ]
[2C- User password aging (maximum)[28C [ DISABLED ]
[2C- Checking expired passwords][31C [ OK ]
[2C- Checking Linux single user mode authentication][11C [ OK ]
[2C- Determining default umask][32C
[4C- umask (/etc/profile)[35C [ NOT FOUND ]
[4C- umask (/etc/login.defs)[32C [ SUGGESTION ]
[2C- LDAP authentication support][30C [ NOT ENABLED ]
[2C- Logging failed login attempts][28C [ ENABLED ]

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[+] Shells

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-----
[2C- Checking shells from /etc/shells][25C
[4CResult: found 8 shells (valid shells: 8).][16C
[4C- Session timeout settings/tools][25C [ NONE ]
[2C- Checking default umask values][28C
[4C- Checking default umask in /etc/bash.bashrc][13C [ NONE ]
[4C- Checking default umask in /etc/profile][17C [ NONE ]

```

[+] File systems

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-----
[2C- Checking mount points][36C
[4C- Checking /home mount point][29C [ SUGGESTION ]
[4C- Checking /tmp mount point][30C [ SUGGESTION ]
[4C- Checking /var mount point][30C [ SUGGESTION ]
[2C- Query swap partitions (fstab)[28C [ OK ]
[2C- Testing swap partitions][34C [ OK ]
[2C- Checking for old files in /tmp][27C [ OK ]
[2C- Checking /tmp sticky bit][33C [ OK ]
[2C- Checking /var/tmp sticky bit][29C [ OK ]
[2C- ACL support root file system][29C [ ENABLED ]
[2C- Mount options of /][39C [ NON DEFAULT ]
[2C- Mount options of /dev][36C [ PARTIALLY HARDENED ]
[2C- Mount options of /dev/shm][32C [ PARTIALLY HARDENED ]
[2C- Mount options of /run][36C [ HARDENED ]
[2C- Total without nodev:5 noexec:6 nosuid:3 ro or noexec (W^X): 6 of total 25][0C
[2C- Disable kernel support of some filesystems][15C

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[+] USB Devices

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-----
[2C- Checking usb-storage driver (modprobe config)[12C [ NOT DISABLED ]
[2C- Checking USB devices authorization][23C [ ENABLED ]
[2C- Checking USBGuard][40C [ NOT FOUND ]

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[+] Storage

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-----
[2C- Checking firewire ohci driver (modprobe config)[10C [ NOT DISABLED ]

```

[+] NFS

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-----
[2C- Check running NFS daemon][33C [ NOT FOUND ]

```

[+] Name services

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[2C- Searching DNS domain name[32C [ UNKNOWN ]
[2C- Checking /etc/hosts[38C
[4C- Duplicate entries in hosts file[24C [ NONE ]
[4C- Presence of configured hostname in /etc/hosts[10C [ FOUND ]
[4C- Hostname mapped to localhost[27C [ NOT FOUND ]
[4C- Localhost mapping to IP address[24C [ OK ]

```

[+] Ports and packages

```

[2C- Searching package managers[31C
[4C- Searching dpkg package manager[25C [ FOUND ]
[6C- Querying package manager[29C
[4C- Query unpurged packages[32C [ NONE ]
[2C- Checking security repository in sources.list file[8C [ OK ]
[2C- Checking APT package database[28C [ OK ]
[2C- Checking vulnerable packages[29C [ WARNING ]
[2C- Checking upgradeable packages[28C [ SKIPPED ]
[2C- Checking package audit tool[30C [ INSTALLED ]
[4C- Found: apt-get[43C
[2C- Toolkit for automatic upgrades[27C [ NOT FOUND ]

```

[+] Networking

```

[2C- Checking IPv6 configuration[30C [ ENABLED ]
[6C- Configuration method[35C [ AUTO ]
[6C- IPv6 only[46C [ NO ]
[2C- Checking configured nameservers[26C
[4C- Testing nameservers[36C
[8C- Nameserver: 192.168.1.1[30C [ OK ]
[4C- Minimal of 2 responsive nameservers[20C [ WARNING ]
[2C- Getting listening ports (TCP/UDP)[24C [ DONE ]
[2C- Checking promiscuous interfaces[26C [ OK ]
[2C- Checking status DHCP client[30C [ RUNNING ]
[2C- Checking for ARP monitoring software[21C [ NOT FOUND ]
[2C- Uncommon network protocols[31C [ 0 ]

```

[+] Printers and Spools

```

[2C- Checking cups daemon[37C [ NOT FOUND ]
[2C- Checking lp daemon[39C [ NOT RUNNING ]

```

[+] Software: e-mail and messaging

[+] Software: firewalls

```

[2C- Checking iptables kernel module[26C [ FOUND ]
[2C- Checking host based firewall[29C [ ACTIVE ]

```

[+] Software: webserver

```

[2C- Checking Apache[42C [ NOT FOUND ]
[2C- Checking nginx[43C [ NOT FOUND ]

```

[+] SSH Support

```

[2C- Checking running SSH daemon[30C [ FOUND ]
[4C- Searching SSH configuration[28C [ FOUND ]
[4C- OpenSSH option: AllowTcpForwarding[21C [ SUGGESTION ]
[4C- OpenSSH option: ClientAliveCountMax[20C [ SUGGESTION ]
[4C- OpenSSH option: ClientAliveInterval[20C [ OK ]
[4C- OpenSSH option: Compression[28C [ SUGGESTION ]
[4C- OpenSSH option: FingerprintHash[24C [ OK ]
[4C- OpenSSH option: GatewayPorts[27C [ OK ]
[4C- OpenSSH option: IgnoreRhosts[27C [ OK ]
[4C- OpenSSH option: LoginGraceTime[25C [ OK ]

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[+] 4C- OpenSSH option: LogLevel[31C [ SUGGESTION ]
[+] 4C- OpenSSH option: MaxAuthTries[27C [ SUGGESTION ]
[+] 4C- OpenSSH option: MaxSessions[28C [ SUGGESTION ]
[+] 4C- OpenSSH option: PermitRootLogin[24C [ OK ]
[+] 4C- OpenSSH option: PermitUserEnvironment[18C [ OK ]
[+] 4C- OpenSSH option: PermitTunnel[27C [ OK ]
[+] 4C- OpenSSH option: Port[35C [ SUGGESTION ]
[+] 4C- OpenSSH option: PrintLastLog[27C [ OK ]
[+] 4C- OpenSSH option: StrictModes[28C [ OK ]
[+] 4C- OpenSSH option: TCPKeepAlive[27C [ SUGGESTION ]
[+] 4C- OpenSSH option: UseDNS[33C [ OK ]
[+] 4C- OpenSSH option: X11Forwarding[26C [ SUGGESTION ]
[+] 4C- OpenSSH option: AllowAgentForwarding[19C [ SUGGESTION ]
[+] 4C- OpenSSH option: AllowUsers[29C [ NOT FOUND ]
[+] 4C- OpenSSH option: AllowGroups[28C [ NOT FOUND ]

```

[+] SNMP Support

```

[+] 2C- Checking running SNMP daemon[29C [ NOT FOUND ]

```

[+] Databases

```

[+] 4C- No database engines found[32C

```

[+] LDAP Services

```

[+] 2C- Checking OpenLDAP instance[31C [ NOT FOUND ]

```

[+] PHP

```

[+] 2C- Checking PHP[45C [ NOT FOUND ]

```

[+] Squid Support

```

[+] 2C- Checking running Squid daemon[28C [ NOT FOUND ]

```

[+] Logging and files

```

[+] 2C- Checking for a running log daemon[24C [ OK ]
[+] 4C- Checking Syslog-NG status[30C [ NOT FOUND ]
[+] 4C- Checking systemd journal status[24C [ FOUND ]
[+] 4C- Checking Metalog status[32C [ NOT FOUND ]
[+] 4C- Checking RSyslog status[32C [ NOT FOUND ]
[+] 4C- Checking RFC 3195 daemon status[24C [ NOT FOUND ]
[+] 4C- Checking minilogd instances[28C [ NOT FOUND ]
[+] 2C- Checking logrotate presence[30C [ OK ]
[+] 2C- Checking remote logging[34C [ NOT ENABLED ]
[+] 2C- Checking log directories (static list)[19C [ DONE ]
[+] 2C- Checking open log files[34C [ DONE ]
[+] 2C- Checking deleted files in use[28C [ DONE ]

```

[+] Insecure services

```

[+] 2C- Installed inetd package[34C [ NOT FOUND ]
[+] 2C- Installed xinetd package[33C [ OK ]
[+] 4C- xinetd status[42C
[+] 2C- Installed rsh client package[29C [ OK ]
[+] 2C- Installed rsh server package[29C [ OK ]
[+] 2C- Installed telnet client package[26C [ OK ]
[+] 2C- Installed telnet server package[26C [ NOT FOUND ]
[+] 2C- Checking NIS client installation[25C [ OK ]
[+] 2C- Checking NIS server installation[25C [ OK ]
[+] 2C- Checking TFTP client installation[24C [ OK ]
[+] 2C- Checking TFTP server installation[24C [ OK ]

```

[+] Banners and identification

```

[+] 2C- /etc/issue[47C [ FOUND ]
[+] 4C- /etc/issue contents[36C [ WEAK ]

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```
[2C- /etc/issue.net[43C [ FOUND ]
[4C- /etc/issue.net contents[32C [ WEAK ]

[+] Scheduled tasks
-----
[2C- Checking crontab and cronjob files[23C [ DONE ]

[+] Accounting
-----
[2C- Checking accounting information[26C [ NOT FOUND ]
[2C- Checking sysstat accounting data[25C [ NOT FOUND ]
[2C- Checking auditd[42C [ NOT FOUND ]

[+] Time and Synchronization
-----
[2C- NTP daemon found: systemd (timesyncd)[20C [ FOUND ]
[2C- Checking for a running NTP daemon or client[14C [ OK ]
[2C- Last time synchronization[32C [ 787s ]

[+] Cryptography
-----
[2C- Checking for expired SSL certificates [0/144][12C [ NONE ]
[2C- Kernel entropy is sufficient[29C [ YES ]
[2C- HW RNG & rngd[44C [ NO ]
[2C- SW prng[50C [ NO ]
[2C- MOR variable not found[35C [ WEAK ]

[+] Virtualization
-----

[+] Containers
-----

[+] Security frameworks
-----
[2C- Checking presence AppArmor[31C [ FOUND ]
[4C- Checking AppArmor status[31C [ ENABLED ]
[8CFound 22 unconfined processes[24C
[2C- Checking presence SELinux[32C [ NOT FOUND ]
[2C- Checking presence TOMOYO Linux[27C [ NOT FOUND ]
[2C- Checking presence grsecurity[29C [ NOT FOUND ]
[2C- Checking for implemented MAC framework[19C [ OK ]

[+] Software: file integrity
-----
[2C- Checking file integrity tools[28C
[2C- Checking presence integrity tool[25C [ NOT FOUND ]

[+] Software: System tooling
-----
[2C- Checking automation tooling[30C
[2C- Automation tooling[39C [ NOT FOUND ]
[2C- Checking for IDS/IPS tooling[29C [ NONE ]

[+] Software: Malware
-----
[2C- Malware software components[30C [ NOT FOUND ]

[+] File Permissions
-----
[2C- Starting file permissions check[26C
[4CFile: /boot/grub/grub.cfg[32C [ OK ]
[4CFile: /etc/crontab[39C [ SUGGESTION ]
[4CFile: /etc/group[41C [ OK ]
[4CFile: /etc/group-[40C [ OK ]
[4CFile: /etc/hosts.allow[35C [ OK ]
[4CFile: /etc/hosts.deny[36C [ OK ]
[4CFile: /etc/issue[41C [ OK ]
[4CFile: /etc/issue.net[37C [ OK ]
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[4CFile: /etc/motd[42C [ OK ]
[4CFile: /etc/passwd[40C [ OK ]
[4CFile: /etc/passwd-[39C [ OK ]
[4CFile: /etc/ssh/sshd_config[31C [ SUGGESTION ]
[4CDirectory: /root/.ssh[36C [ OK ]
[4CDirectory: /etc/cron.d[35C [ SUGGESTION ]
[4CDirectory: /etc/cron.daily[31C [ SUGGESTION ]
[4CDirectory: /etc/cron.hourly[30C [ SUGGESTION ]
[4CDirectory: /etc/cron.weekly[30C [ SUGGESTION ]
[4CDirectory: /etc/cron.monthly[29C [ SUGGESTION ]

```

[+] Home directories

```

[2C- Permissions of home directories[26C [ OK ]
[2C- Ownership of home directories[28C [ OK ]
[2C- Checking shell history files[29C [ OK ]

```

[+] Kernel Hardening

```

[2C- Comparing sysctl key pairs with scan profile[13C
[4C- dev.tty.ldisc_autoload (exp: 0)[24C [ DIFFERENT ]
[4C- fs.protected_fifos (exp: 2)[28C [ DIFFERENT ]
[4C- fs.protected_hardlinks (exp: 1)[24C [ OK ]
[4C- fs.protected_regular (exp: 2)[26C [ OK ]
[4C- fs.protected_symlinks (exp: 1)[25C [ OK ]
[4C- fs.suid_dumpable (exp: 0)[30C [ OK ]
[4C- kernel.core_uses_pid (exp: 1)[26C [ DIFFERENT ]
[4C- kernel.ctrl-alt-del (exp: 0)[27C [ OK ]
[4C- kernel.dmesg_restrict (exp: 1)[25C [ OK ]
[4C- kernel.kptr_restrict (exp: 2)[26C [ DIFFERENT ]
[4C- kernel.modules_disabled (exp: 1)[23C [ DIFFERENT ]
[4C- kernel.perf_event_paranoid (exp: 3)[20C [ OK ]
[4C- kernel.randomize_va_space (exp: 2)[21C [ OK ]
[4C- kernel.sysrq (exp: 0)[34C [ DIFFERENT ]
[4C- kernel.unprivileged_bpf_disabled (exp: 1)[14C [ DIFFERENT ]
[4C- kernel.yama.ptrace_scope (exp: 1 2 3)[18C [ DIFFERENT ]
[4C- net.core.bpf_jit_harden (exp: 2)[23C [ DIFFERENT ]
[4C- net.ipv4.conf.all.accept_redirects (exp: 0)[12C [ DIFFERENT ]
[4C- net.ipv4.conf.all.accept_source_route (exp: 0)[9C [ OK ]
[4C- net.ipv4.conf.all.bootp_relay (exp: 0)[17C [ OK ]
[4C- net.ipv4.conf.all.forwarding (exp: 0)[18C [ OK ]
[4C- net.ipv4.conf.all.log_martians (exp: 1)[16C [ DIFFERENT ]
[4C- net.ipv4.conf.all.mc_forwarding (exp: 0)[15C [ OK ]
[4C- net.ipv4.conf.all.proxy_arp (exp: 0)[19C [ OK ]
[4C- net.ipv4.conf.all.rp_filter (exp: 1)[19C [ DIFFERENT ]
[4C- net.ipv4.conf.all.send_redirects (exp: 0)[14C [ DIFFERENT ]
[4C- net.ipv4.conf.default.accept_redirects (exp: 0)[8C [ DIFFERENT ]
[4C- net.ipv4.conf.default.accept_source_route (exp: 0)[5C [ DIFFERENT ]
[4C- net.ipv4.conf.default.log_martians (exp: 1)[12C [ DIFFERENT ]
[4C- net.ipv4.icmp_echo_ignore_broadcasts (exp: 1)[10C [ OK ]
[4C- net.ipv4.icmp_ignore_bogus_error_responses (exp: 1)[4C [ OK ]
[4C- net.ipv4.tcp_syncookies (exp: 1)[23C [ OK ]
[4C- net.ipv4.tcp_timestamps (exp: 0 1)[21C [ OK ]
[4C- net.ipv6.conf.all.accept_redirects (exp: 0)[12C [ DIFFERENT ]
[4C- net.ipv6.conf.all.accept_source_route (exp: 0)[9C [ OK ]
[4C- net.ipv6.conf.default.accept_redirects (exp: 0)[8C [ DIFFERENT ]
[4C- net.ipv6.conf.default.accept_source_route (exp: 0)[5C [ OK ]

```

[+] Hardening

```

[4C- Installed compiler(s)[34C [ FOUND ]
[4C- Installed malware scanner[30C [ NOT FOUND ]
[4C- Non-native binary formats[30C [ FOUND ]

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[+] Custom tests

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[2C- Running custom tests... [33C [ NONE ]

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[+] Plugins (phase 2)

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-[Lynis 3.0.8 Results]-

Warnings (2):

- ! Found one or more vulnerable packages. [PKGS-7392]
<https://cisofy.com/lynis/controls/PKGS-7392/>
- ! Couldn't find 2 responsive nameservers [NETW-2705]
<https://cisofy.com/lynis/controls/NETW-2705/>

Suggestions (51):

- * 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 needrestart, alternatively to debian-goodies, so that you can run needrestart after upgrades to determine which daemons are using old versions of libraries and need restarting. [DEB-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/>
- * 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/>
- * 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/>

* Disable drivers like firewire storage when not used, to prevent unauthorized storage or data theft [STRG-1846]

<https://cisofy.com/lynis/controls/STRG-1846/>

* 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/>

* Update your system with apt-get update, apt-get upgrade, apt-get dist-upgrade and/or unattended-upgrades [PKGS-7392]

<https://cisofy.com/lynis/controls/PKGS-7392/>

* Install package apt-show-versions for patch management purposes [PKGS-7394]

<https://cisofy.com/lynis/controls/PKGS-7394/>

* Consider using a tool to automatically apply upgrades [PKGS-7420]

<https://cisofy.com/lynis/controls/PKGS-7420/>

* Check your resolv.conf file and fill in a backup nameserver if possible [NETW-2705]

<https://cisofy.com/lynis/controls/NETW-2705/>

* 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/>
- * 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/>
- * 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:)
<https://cisofy.com/lynis/controls/KRNL-6000/>
- * Harden compilers like restricting access to root user only [HRDN-7222]
<https://cisofy.com/lynis/controls/HRDN-7222/>
- * 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 : 61 [#####]
Tests performed : 245
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 3.0.8

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)