**CISOfy /**
**lynis**

<> Code    ⊙ Issues 124    ⑂ Pull requests 14    ⧉ Discussions    ▷ Actions    📖 Wiki    ⊙ Security    📈 Insights

Lynis - Security auditing tool for Linux, macOS, and UNIX-based systems. Assists with compliance testing (HIPAA/ISO27001/PCI DSS) and system hardening. Agentless, and installation optional.

🔗 **cisofy.com/lynis/**

⚖ GPL-3.0 license

♡ Code of conduct

⚖ Security policy

☆ **13.8k** stars    ⑂ **1.5k** forks    ⊙ **342** watching    ⑂ Branches    ⌁ Activity    ▤ Custom properties    🏷 Tags

🌐 Public repository

⑂    ⑂ **2 Branches**    🏷 **63 Tags**    ⑂    🏷    🔍 Go to file    [t]    Go to file    +    Add file ▾    Code    •••

mboelen Update README.md 💬    a32c7d0 · 2 weeks ago    ⟲

| | | |
|---|---|---|
| 📁 .github/ISSUE_TEMPLATE | Disable this action | 4 years ago |
| 📁 db | Remove separator at the end to allow... | last month |
| 📁 extras | More support for busybox devices | 3 months ago |
| 📁 include | Merge branch 'master' into master | 2 weeks ago |
| 📁 plugins | More support for busybox devices | 3 months ago |
| 📄 .editorconfig | feat(editorconfig): Add a .editorconfi... | 2 years ago |
| 📄 .gitignore | Update .gitignore | last year |
| 📄 .travis.yml | Added notifications | 9 years ago |
| 📄 CHANGELOG.md | Update CHANGELOG.md | 2 weeks ago |
| 📄 CODE_OF_CONDUCT.md | Create CODE_OF_CONDUCT.md | 8 years ago |
| 📄 CONTRIBUTING.md | spelling: notation | 5 years ago |
| 📄 CONTRIBUTORS.md | Update CONTRIBUTORS.md | last month |
| 📄 FAQ | Simplified copyright line and meta inf... | last month |
| 📄 HAPPY_USERS.md | Update HAPPY_USERS.md | 4 years ago |
| 📄 INSTALL | Simplified copyright line and meta inf... | last month |
| 📄 LICENSE | Update of LICENSE file, which has ver... | 11 years ago |
| 📄 README | Simplified copyright line and meta inf... | last month |
| 📄 README.md | Update README.md | 2 weeks ago |

| 📄 SECURITY.md | Create SECURITY.md file | 6 years ago |
|---|---|---|
| 📄 TODO.md | Updated rationale related to egrep (li… | 4 years ago |
| 📄 default.prf | Added initial version of a Kerberos pl… | 9 months ago |
| 📄 developer.prf | Run non-interactive by default, use --… | 6 years ago |
| 📄 lynis | Update lynis | last month |
| 📄 lynis.8 | Fix quote syntax error in manpage | 5 years ago |

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📖 **README**    🛡️ Code of conduct    ⚖️ GPL-3.0 license    ⚖️ Security                    ✏️  ☰

`LSE top 10` `Lynis (7)`  `build` `unknown`  `openssf best practices` `passing`  [Documentation](#)

Do you like this software? **Star the project** and become a [stargazer](#).

# lynis

> Lynis - Security auditing and hardening tool, for UNIX-based systems.

Lynis is a security auditing tool for systems based on UNIX like Linux, macOS, BSD, and others. It performs an **in-depth security scan** and runs on the system itself. The primary goal is to test security defenses and **provide tips for further system hardening**. It will also scan for general system information, vulnerable software packages, and possible configuration issues. Lynis was commonly used by system administrators and auditors to assess the security defenses of their systems. Besides the "blue team," nowadays penetration testers also have Lynis in their toolkit.

We believe software should be **simple**, **updated on a regular basis**, and **open**. You should be able to trust, understand, and have the option to change the software. Many agree with us, as the software is being used by thousands every day to protect their systems.

## Goals

The main goals of Lynis include:

- Automated security auditing
- Compliance testing (e.g. ISO27001, PCI-DSS, HIPAA)
- Vulnerability detection

The software (also) assists with:

- Configuration and asset management
- Software patch management
- System hardening
- Penetration testing (privilege escalation)
- Intrusion detection

### Audience

Typical users of the software:

- System administrators
- Auditors
- Security officers
- Penetration testers
- Security professionals

# Installation

There are multiple options available to install Lynis.

## Software package

For systems running Linux, BSD, and macOS, there is typically a package available. This is the preferred method of obtaining Lynis, as it is quick to install and easy to update. The Lynis project itself also provides [packages](#) in RPM or DEB format suitable for systems systems running: `CentOS` , `Debian` , `Fedora` , `OEL` , `openSUSE` , `RHEL` , `Ubuntu` , and others.

Some distributions may also have Lynis in their software repository: `in repositories 23`

Note: Some distributions don't provide an up-to-date version. In that case it is better to use the CISOfy software repository, download the tarball from the website, or download the latest GitHub release.

## Git

The very latest developments can be obtained via git.

1. Clone or download the project files (**no compilation nor installation** is required) ;

```
git clone https://github.com/CISOfy/lynis
```

2. Execute:

```
cd lynis && ./lynis audit system
```

If you want to run the software as `root` (or sudo), we suggest changing the ownership of the files. Use `chown -R 0:0` to recursively alter the owner and group and set it to user ID `0` ( `root` ). Otherwise Lynis will warn you about the file permissions. After all, you are executing files owned by a non-privileged user.

# Documentation

Have a look at the [Lynis documentation](#) to learn more about the configuration and usage of Lynis. When you are interested in reading more articles about Linux security, then check out the [Linux security blog](#) named Linux Audit. For some suggestions by Lynis, this is also the source used to learn more about specific findings.

# Customization

If you want to create your own tests, have a look at the [Lynis software development kit](#).

# Security

We participate in the [CII best practices](#) badge program of the Linux Foundation.

## Media and Awards

Lynis is collecting some awards along the way and we are proud of that.

- 2016

  - [Best of Open Source Software Awards 2016](#).
  - Article by TechRepublic, considering Lynis a "must-have" tool: [How to quickly audit a Linux system from the command line](#)
  - [ToolsWatch Best Tools (top 10)](#)

- 2015

  - [ToolsWatch Best Tools (second place)](#)
  - [Best of Open Source Software Awards 2015](#) ([mirror](#)).

- 2014

  - [ToolsWatch Best Tools (third place)](#)

- 2013

  - [ToolsWatch Best Tools (sixth place)](#)

## Contribute

> We love contributors.

Do you have something to share? Want to help out with translating Lynis into your own language? Create an issue or pull request on GitHub, or send us an e-mail: [lynis-dev@cisofy.com](mailto:lynis-dev@cisofy.com).

More details can be found in the [Contributors Guide](#).

You can also simply contribute to the project by *starring* the project and show your appreciation that way.

Thanks!

## License

> GPLv3

## Enterprise version for companies

This software component is also part of an enterprise solution and focuses on companies. Same quality, yet with more functionality.

Focus areas include compliance ( `PCI DSS` , `HIPAA` , `ISO27001` , and others). The Enterprise version comes with:

- a web interface;
- dashboard and reporting;
- hardening snippets;
- improvement plan (based on risk);
- commercial support.

## Releases　63

🏷️ **Lynis 3.1.4**　( Latest )
　　　last month

+ 62 releases

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## Contributors　230

+ 216 contributors

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## Languages

● **Shell** 99.6%　　○ **Other** 0.4%