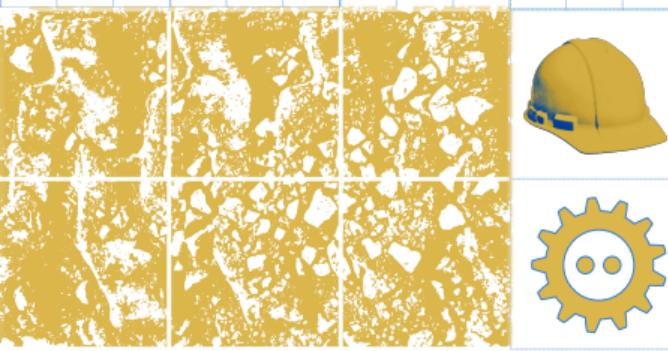


# Longer-term support releases for Buildroot

Titouan Christophe

Thomas Perale

Mind oss



[Its.buildroot.org](https://its.buildroot.org)

[security.buildroot.org](https://security.buildroot.org)

Buildroot ?

1 Configure

2 Customize

3 Build

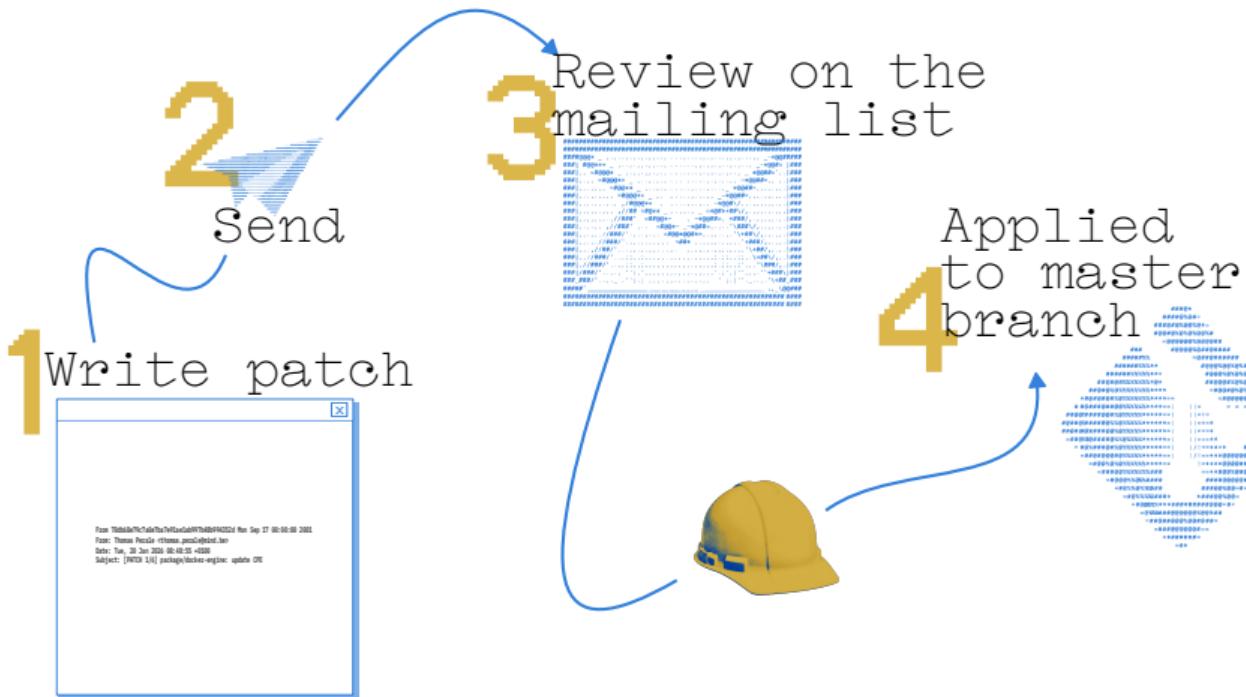
Making embedded linux as easy as

>make defconfig (1)

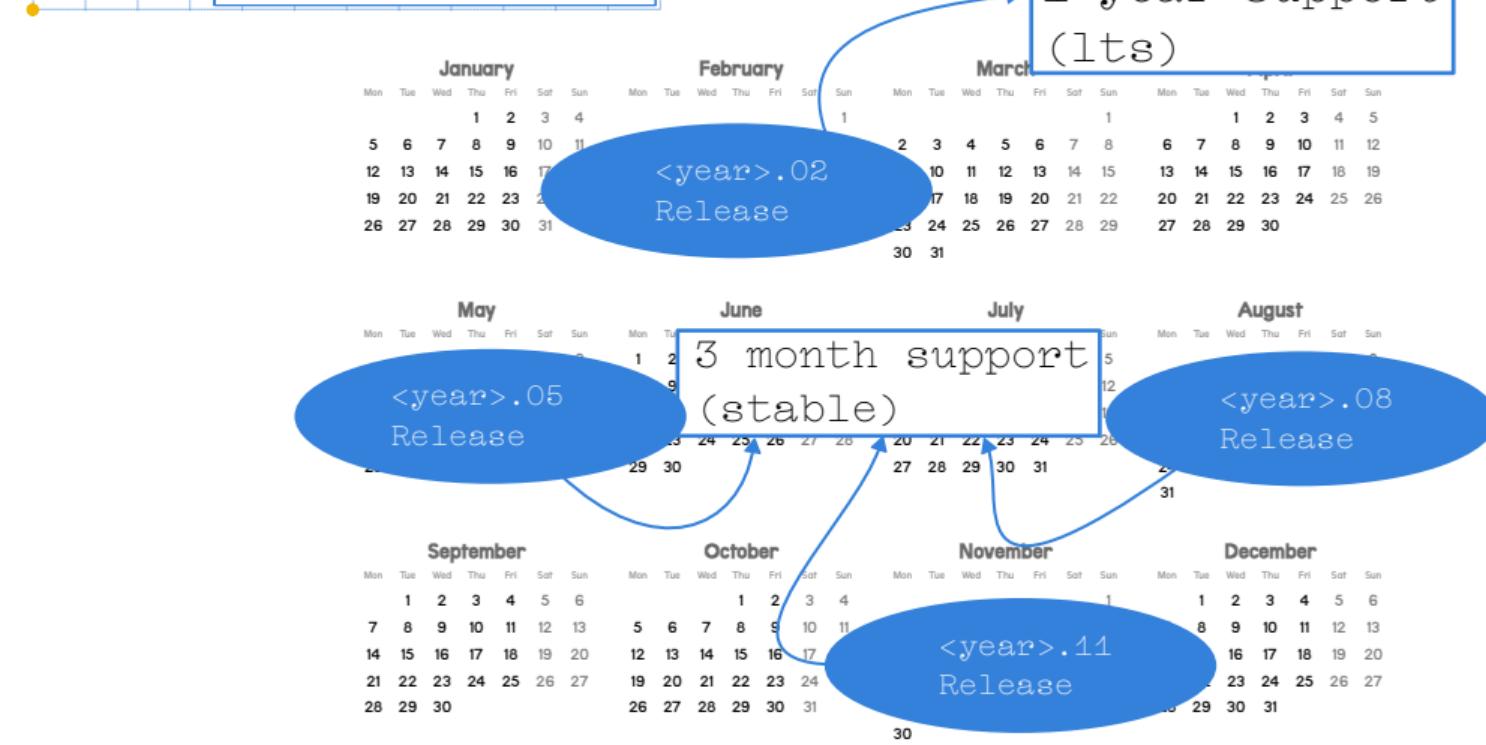
>make menuconfig (2)

>make (3)

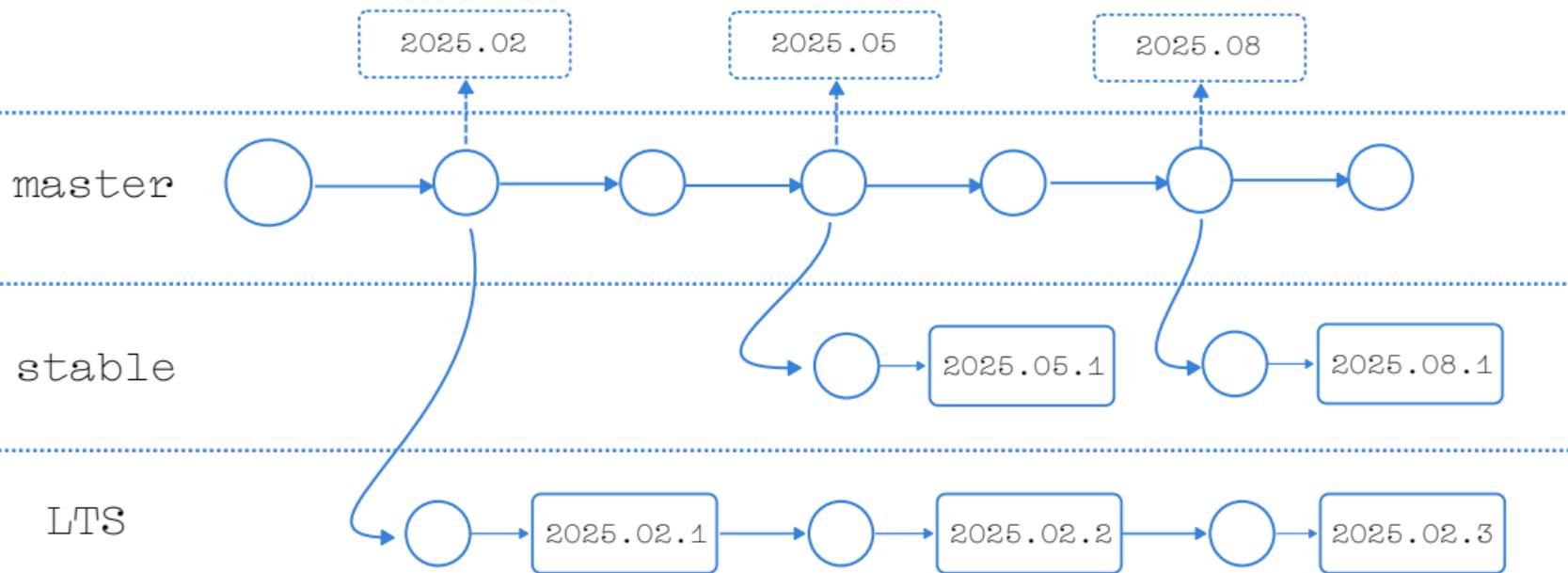
# Buildroot release workflow



# Former Buildroot release workflow



# Buildroot release workflow



*Buildroot version*

**2025.02.x** is now

supported for

3 years

## LTS Objectives

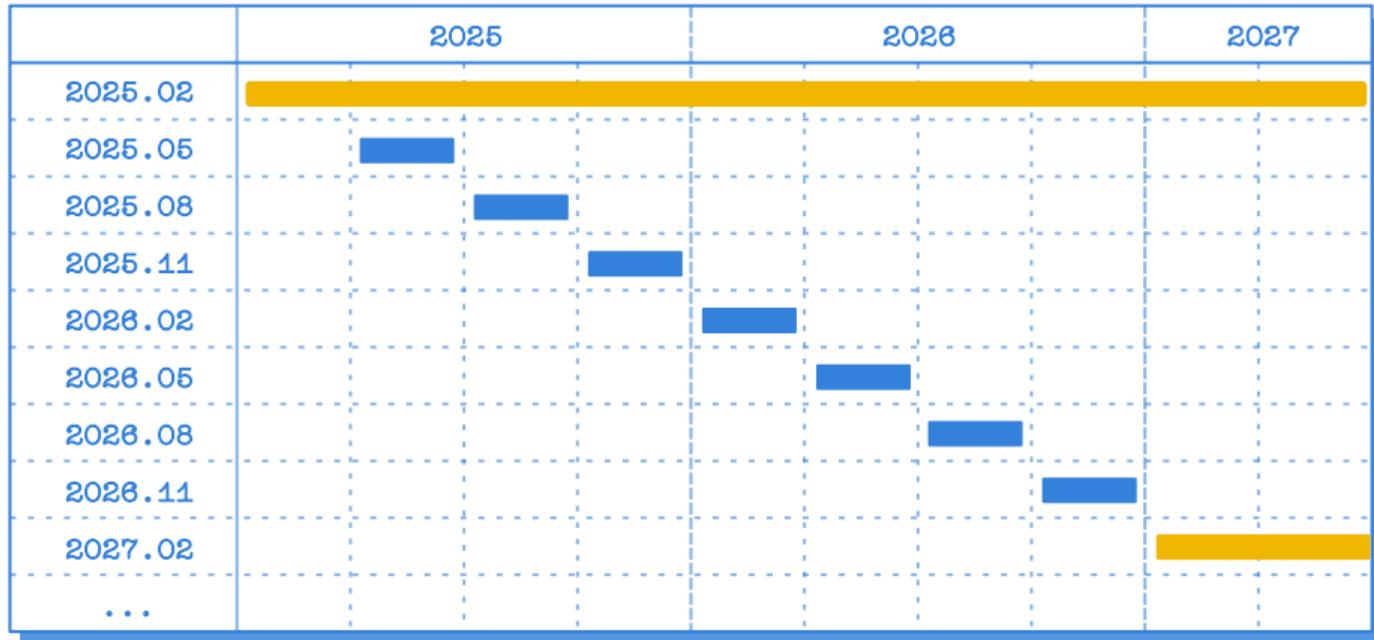
1 3-year LTS  
LTS every  
2 years

2 Vulnerability  
tracking  
& reporting

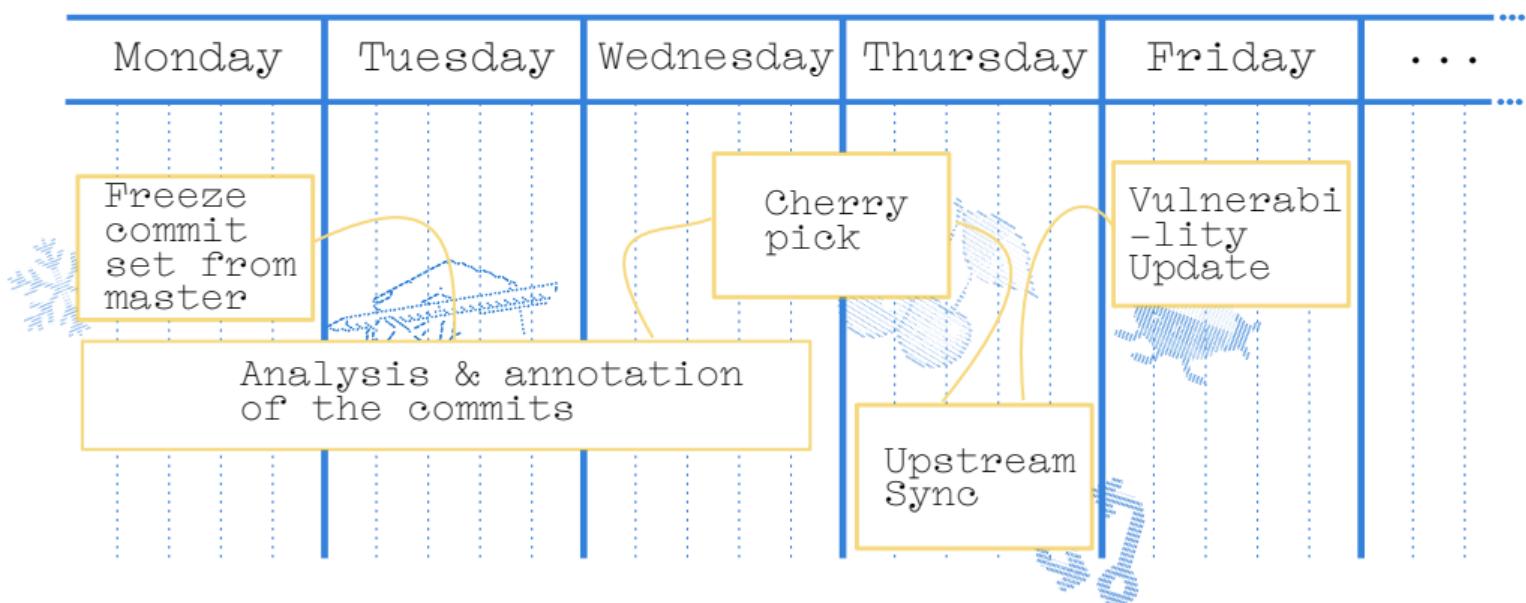
3 Sponsored  
LTS stewards

4 Dedicated  
backport

## New Release Cycle

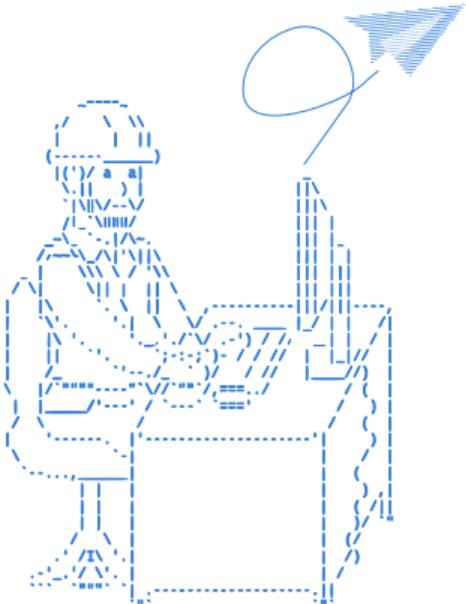


# LTS Organization



# Contributing

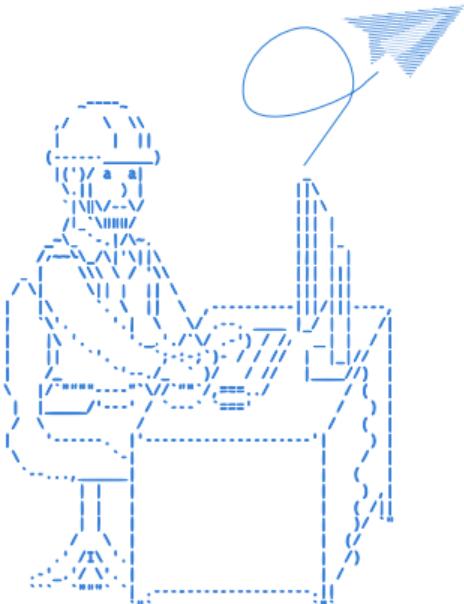
## Security update



- Mention security bump & vulnerabilities
- From: Titouan Christophe via buildroot <buildroot@buildroot.org>
- To: buildroot@buildroot.org
- Subject: [Buildroot] [PATCH] package/redis: **security bump** to v8.2.3
- See the release notes: <https://github.com/redis/redis/releases/tag/8.2.3>
- This fixes the following vulnerability:
  - **CVE-2025-62507:**  
Redis is an open source, in-memory database that persists on disk. versions 8.2.0 and above, a user can run the XACKDEL command with multiple ID's and trigger a stack buffer overflow, which may potentially lead to remote code execution. This issue is fixed in version 8.2.3. To workaround this issue without patching the redis-server executable is to prevent users from executing XACKDEL operation. This can be done using ACL to restrict XACKDEL command.  
<https://www.cve.org/CVERecord?id=CVE-2025-62507>

# Contributing

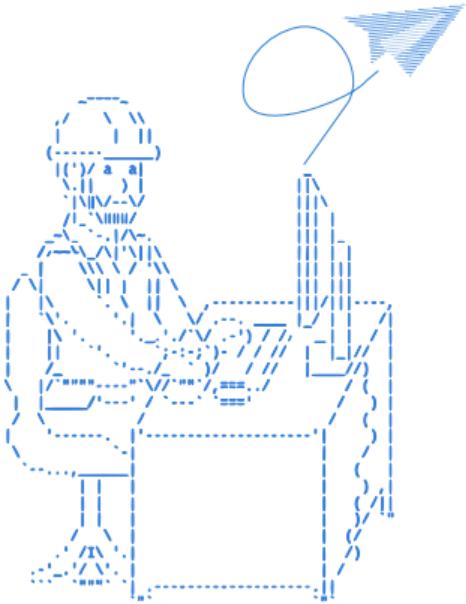
## Reference fixes



- Reference fixes in your commit message
- From: Thomas Perale via buildroot <buildroot@buildroot.org>  
To: buildroot@buildroot.org  
Subject: [Buildroot] [2025.02.x, PATCH] package/sysprof: remove 'debuginfod'  
Commit [1] was erroneously picked because it mentioned commit [2], which is present in the LTS branch.  
In fact, the 'debuginfod' option was introduced in the sysprof package in version 48.0 (see [3] and Buildroot commit [4]), which was not picked in the LTS branch.
- This patch reverts commit [1] and removes the option it introduced, which does not exist in sysprof 47.2.
- [1] 26fd8eb217 package/sysprof: disable debuginfod support
- [2] 52c5c6050c package/elitutils: bump to version 0.181
- [3] <https://gitlab.gnome.org/GNOME/sysprof/-/commit/d2471d4bf571c3a>
- [4] e743759a52 package/sysprof: bump to version 48.0
- Fixes: <https://gitlab.com/buildroot.org/buildroot/-/issues/152>

# Contributing

## Split commits



- Split in multiple commits security/build fixes & package bump

From: Titouan Christophe via buildroot <buildroot@buildroot.org>  
To: buildroot@buildroot.org  
Subject: [Buildroot] [PATCH 1/2] package/xerces: **security** bump to v3.2.5

From: Titouan Christophe via buildroot <buildroot@buildroot.org>  
To: buildroot@buildroot.org  
Subject: [Buildroot] [PATCH 2/2] package/xerces: **bump** to v3.3.0  
  
See the release notes:  
<https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=...>

## CycloneDX SBOM

### Support

Since 2025.02

Generate a CycloneDX SBOM



```
> make show-info | utils/generate-cyclonedx
```

[gitlab.com/buildroot.org/buildroot/-/blob/master/utils/generate-cyclonedx](https://gitlab.com/buildroot.org/buildroot/-/blob/master/utils/generate-cyclonedx)

# Vulnerability Analysis

Support

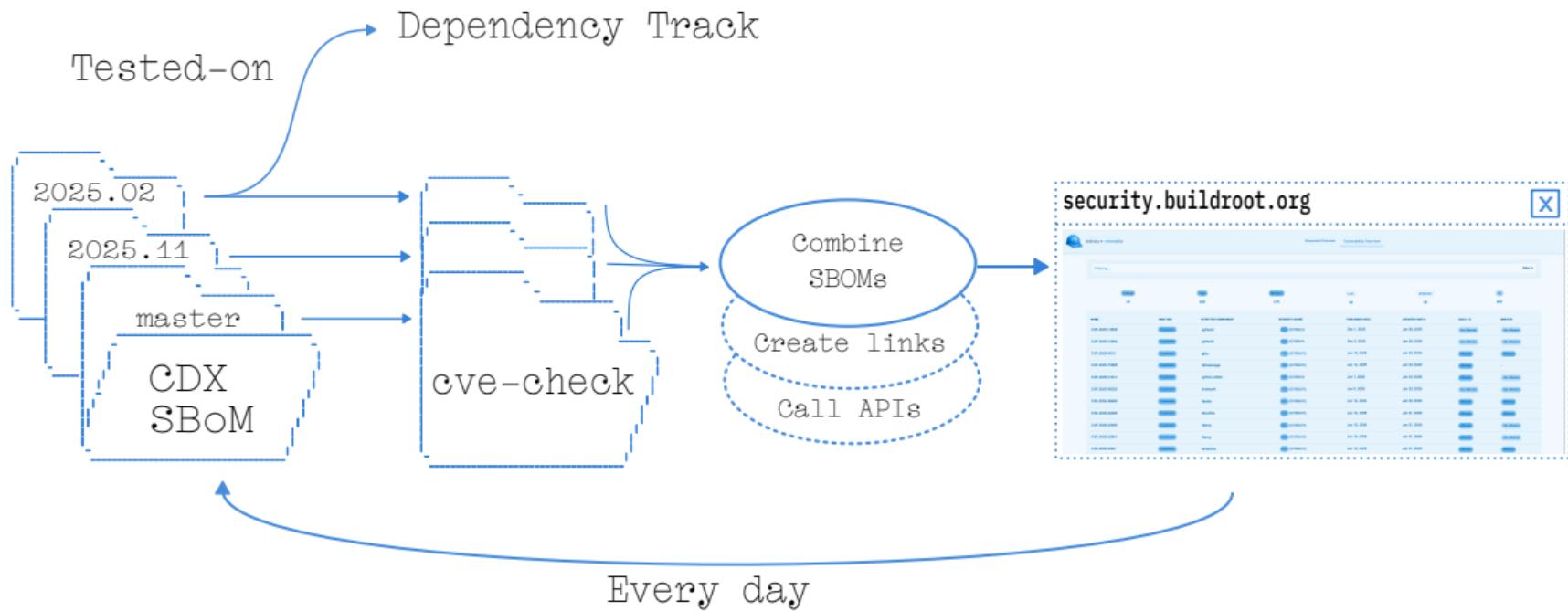
Since 2025.02.9

Vulnerability analysis



```
> cat <sbom>.json | support/script/cve-check
```

# Security monitoring



## Why Sponsor ?

1 Long-term  
sustainability

2 Contact with  
LTS stewards

3 Personalized  
security report

4 Recognition  
of your  
sponsorship

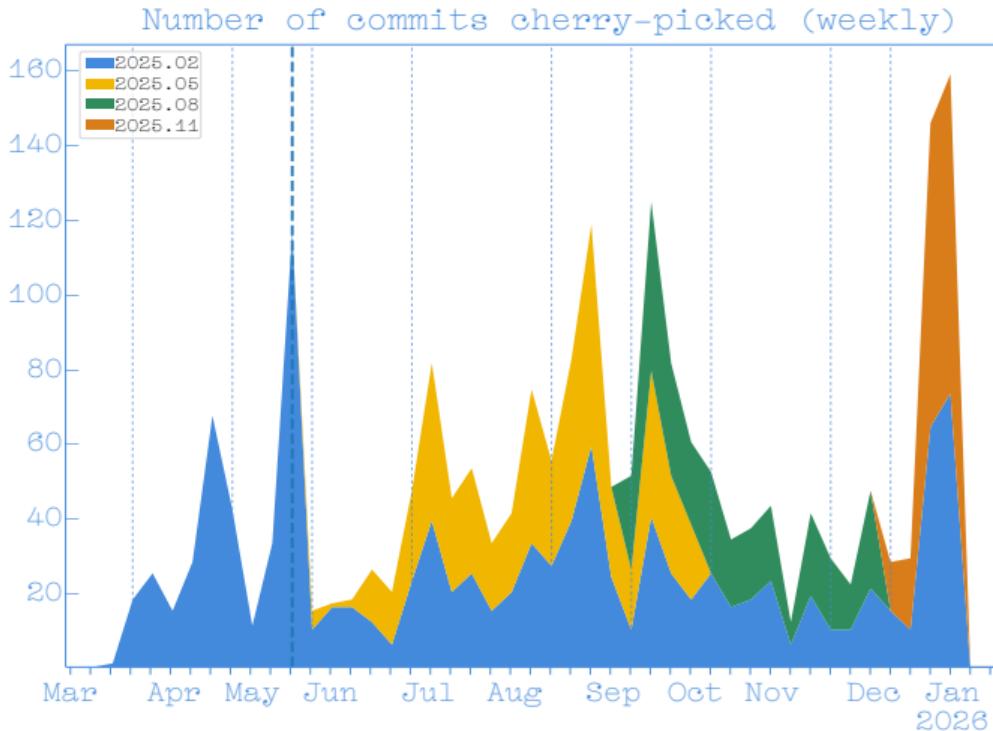
## After one year

3916  
1314  
330

Reviewed  
commits

Cherry picked  
commits

Fixed  
vulnerabilities



## Thanks to our sponsors



[mind.be](http://mind.be)



[evs.com](http://evs.com)



[openhomefoundation.org](http://openhomefoundation.org)



[sense.com](http://sense.com)

[Its.buildroot.org](http://its.buildroot.org)

[security.buildroot.org](http://security.buildroot.org)

## Credits

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- Terminal Grotesque - <https://velvetyne.fr/fonts/terminal-grotesque/>
- FOSDEM Logo - [https://upload.wikimedia.org/wikipedia/commons/8/8a/FOSDEM\\_logo.svg](https://upload.wikimedia.org/wikipedia/commons/8/8a/FOSDEM_logo.svg)