



The new Vim Project – Vim after Bram

The screenshot shows the vim.org website with a navigation bar at the top containing links for SPONSOR, VOTE, the editor logo, BUY the Vim book, HELP Uganda, and LEARN Vim. The main content area features the title "Vim - the ubiquitous text editor" and a description of Vim as a highly configurable text editor. A list of features is provided, including a persistent multi-level undo tree, an extensive plugin system, support for various programming languages, and powerful search and replace capabilities. A "News" section highlights a patch from 2024-04-18 that adds support for the XDG Base Directory Specification. A sidebar on the left contains navigation links such as Home, Advanced search, About Vim, Community, News, Sponsoring, Trivia, Documentation, Download, Scripts, Tips, My Account, and Site Help. A sidebar on the right includes a "Help Uganda" link and a "kindle fire" advertisement for \$199.

not logged in ([login](#))

ENHANCED BY Google

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[What is Vim online?](#)

Vim online is a central place for the Vim community to store

SPONSOR Vim development for features

VOTE for features

the editor

BUY the Vim book

HELP Uganda

LEARN Vim

Vim - the ubiquitous text editor

Vim is a highly configurable text editor built to make creating and changing any kind of text very efficient. It is included as "vi" with most UNIX systems and with Apple OS X.

Vim is rock stable and is continuously being developed to become even better. Among its features are:

- persistent, multi-level undo tree
- extensive plugin system
- support for hundreds of programming languages and file formats
- powerful search and replace
- integrates with many tools

News

Vim 9.1.0825 is the current version

Support for the XDG Base Directory Specification

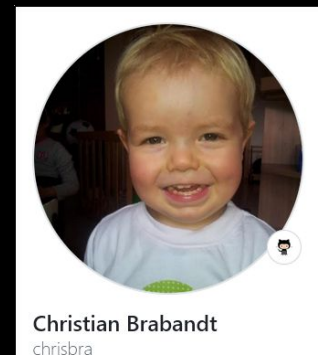
[2024-04-18] [Patch 9.1.327](#) brings support for the freedesktop [XDG Base Directory Specification](#) and has now been merged. A few more adjustments have been made with the following patches: [v9.1.0337](#) and [9.1.345](#). That means, you can now place your configuration files under `~/.config/vim/` instead of `~/.vim` so Vim will stop littering your home directory. **Note:** To make this change backwards compatible, Vim will only attempt to source from that location, if `~/.vim/vimrc` and `~/.vimrc` file **do not exist**. So it won't impact existing users, but users that want to start using the new location, will need to move their existing configuration to the new place. You can also read about it at [.hxdg-base-dir](#). Thanks to all the contributors that help Vim continuing to grow! (*Christian Brabandt*)

Vim 9.1 is released!



The new Vim Project – Who am I?

- Following Vim development since ~2006
- Most active between Vim 7.1 – Vim 8.0
- Many bug reports and fixes
- Contributed a few features: “gn”, “g<Ctrl-A>”, internal diff, regex improvements, better encryption support
- Supporting Infrastructure: Homepage, Appimage, Win32 installer daily releases
- Less active for private/family reasons and \$day job reasons
- Main Maintainer since Aug. 2023





The new Vim Project



- Bram passed away on Aug 3rd, 2023
- Vim project lost „Benevolent Dictator for Life“
- Project needs to be re-organized
- How did Bram work?
- So what has changed?

Message from the family of Bram Moolenaar 206.053 Aufrufe



Bram Moolenaar <Bram@moolenaar.net>
an vim_announce@googlegroups.com

05.08.2023, 14:19:37 ☆ ↩

Dear all,

It is with a heavy heart that we have to inform you that Bram Moolenaar passed away on 3 August 2023. Bram was suffering from a medical condition that progressed quickly over the last few weeks.

Bram dedicated a large part of his life to VIM and he was very proud of the VIM community that you are all part of.

We as family are now arranging the funeral service of Bram which will take place in The Netherlands and will be held in the Dutch language. The exact date, time and place are still to be determined.

Should you wish to attend his funeral then please send a message to funer...@gmail.com. This email address can also be used to get in contact with the family regarding other matters, bearing in the mind the situation we are in right now as family.

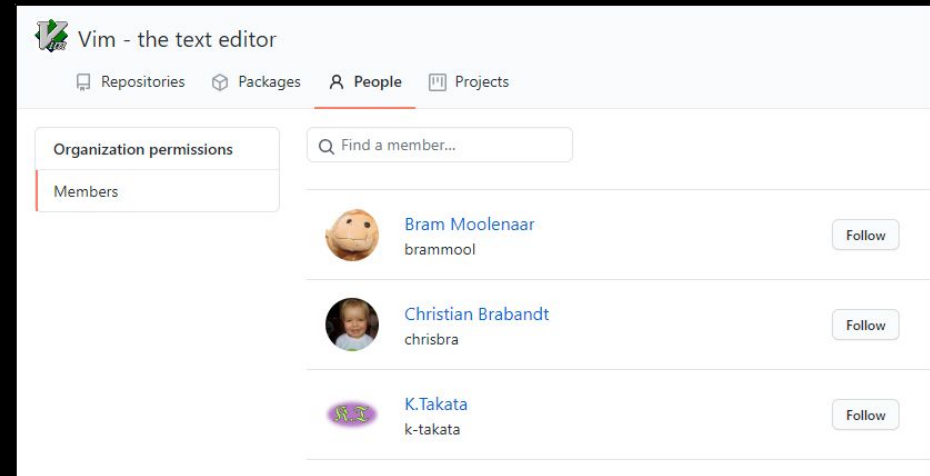
With kind regards,
The family of Bram Moolenaar



The new Vim Project

- Existing project Maintainers:
 - Owner: Bram
 - Members: Ken & Chris & Charles
- Github: “[Deceased User Policy](#)”
- → not so simple (rightfully)

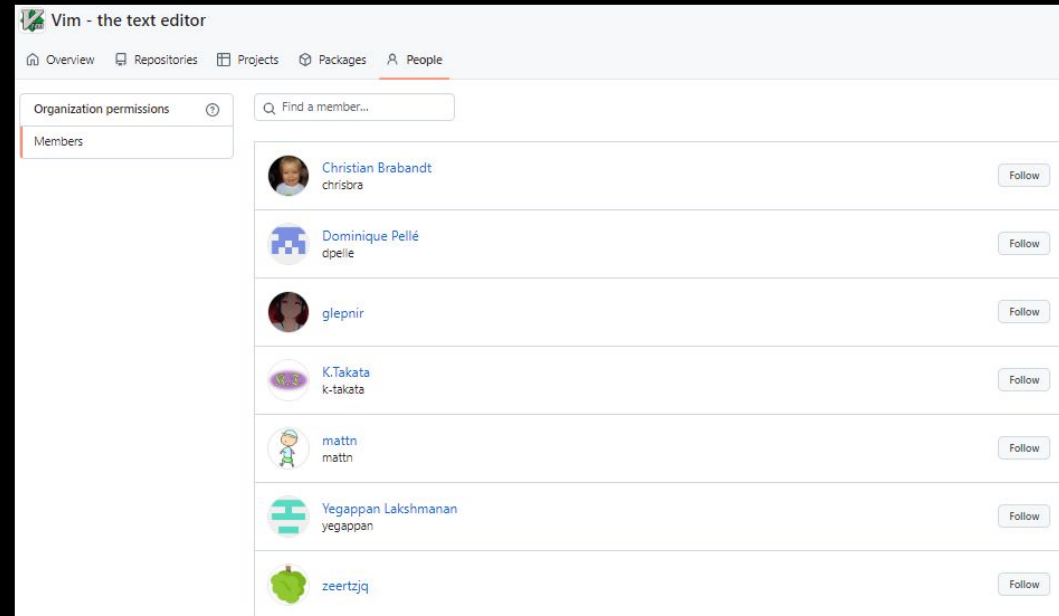
- Vim Project is a full-time job!





The new Vim Project

- new main project maintainers:
 - Yegappan
 - Dominique
 - Doug
 - @glepnir
 - @mattn
 - @zeertzjq
- A few other team members
- Charles retired





The new Vim Project

- But it's not only about the Source Code!
 - Homepage
 - Domains
 - SSL Certs
 - FTP Server
 - Vulnerability Reporting/Huntr access
 - ICCF
 - Community Management
 - Mailing lists
 - No documented processes



The new Vim Project – Homepage

- The Vim Homepage
 - Used to be hosted by Sourceforge (until 2018) / OSDN (since 2018)
 - Mercurial mirror
 - OSDN acquired by OSChina July 2023
 - vim.org DB errors occurred around the same time
 - Still old infrastructure (php 7)
 - OSDN/OSChina support lacking
 - No way to fix it ourselves
 - Move the homepage (again)



The new Vim Project – Homepage

- Issues on the old Homepage became urgent (not possible to upload new scripts, a lot of error messages)
- Finding a new hoster with better support
- Migrating from php5/7 to php8 which required a bit of rewrite
- Coordination between DNS admin and Homepage admin
- Successful move on Sept. 26, 2023
- Mercurial mirror only on my private homepage: hg.256bit.org
- sponsored by Wavestack, maintained by Marc Schöchlin
- Status: stable, no issues since then



The new Vim Project – other Resources

- Various Domains held by several different people
- SSL certs: updated automatically
- FTP Server: Access retired
- ICCF:
 - handle donations, questions, paypal access
 - Voting feature
- Sponsorship for maintainers



The new Vim Project – other Resources

- Google Groups issues:
 - blocks mails
 - No support/help
 - vim-dev removed
- Alternatives:
 - Self-host?
 - everybody has to re-join

```
i:Exit  -:PrevPg ^F:NextPg v:View Attachm. d:Del j:Next ?:Help
From: Google Groups <noreply@groups.google.com>
To: cblists@256bit.org
Subject: Your Content on Google Groups
Date: Wed, 01 May 2024 10:40:52 -0700
Content-Type: multipart/alternative; boundary="000000000000e8757a061767fcde"

Hello cblists@256bit.org,

We're letting you know that we've permanently removed the content at
https://groups.google.com/d/forum/vim\_dev
Why did this happen?

An external report flagged the content for illegal content or policy
violations. As a result, our legal content and policy standards team removed
the content for the following reason: unwanted content.
Learn more

You can learn more about our content policies and enforcement at
https://support.google.com/groups/answer/4561696?hl=en\_US.
What you can do next
You may have the option to pursue your claims in court. If you have legal
questions or wish to examine legal options that may be available to you, you
may want to consult with your own legal counsel.
Visit Google Groups Help Center at
https://support.google.com/groups/answer/46601?hl=en\_US.
~
~
```



The new Vim Project – Security Reporting

- Huntr:
 - Private disclosure of vulnerability issues
 - List of open issues
 - Nov 23: acquisition of huntr
 - → shutdown service for Vim
 - Find a replacement
- Github security advisory
- (private) Vim-security mailing
- list

huntr.com migration FAQ

General questions:

Woah, huntr.com? What happened to huntr.dev?

In August 2023, huntr.dev was acquired by Protect AI, pioneers of MLSecOps and leaders in securing AI/ML systems. With the acquisition, Protect AI aims to address the vital need for research on AI/ML security threats, leveraging huntr's established community of open-source software (OSS) security specialists. You can read more about the acquisition [here](#).

What happens to huntr.dev?

We've transformed huntr.dev into huntr.com – out with the old and in with the new! Whilst the bug bounty targets we list now have a specific AI/ML focus, under this shiny new exterior is the same bug bounty platform that you've grown to love.

I'm a Maintainer of an OSS project listed on [huntr.com/bounties](#). What does this mean to me?

Good news! Protect AI is committed to OSS and the security of AI/ML focussed projects, and so they're doubling-down on the funding for security research and remediation of your project. This means larger bounties and attracting more higher-quality security researchers. Protect AI will provide support in triaging vulnerabilities with its own security team and you'll be able to make use of all the new features that we're working on.

I'm a Maintainer of an OSS project that used huntr.dev for vulnerability disclosure. What does this mean to me?

Unless you're listed on [huntr.com/bounties](#), we won't be able to continue supporting vulnerability disclosure for your project. You can still see your project's data on our platform, but future updates might stop you from accessing it. So, it's best to save your data somewhere else. We won't make changes that affect your data access until after November 30th, 2023.



The new Vim Project – Security Reporting

- Github Security Advisories (CVEs)
- Announce fixes more publicly using ‘[security]’ tag in commit
- oss-security list, various other distribution maintainers

```
0 206869 chrisbra@debian ~/code/vim-upstream/src (git)-[master]- % git log --format=oneline --grep '\[security\]:'
51b62387be93c65fa56bbabe1c3c1ea5df187641 (tag: v9.1.0764) patch 9.1.0764: [security]: use-after-free when closing a buffer
a6de28755ec3fcc86d1ed0b744f1b410a8e9702d (tag: v9.1.0739) patch 9.1.0739: [security]: use-after-free in ex_getln.c
be4bd189d23854ddf1d85ad291d8f7ad3f22b7a0 (tag: v9.1.0728) patch 9.1.0728: [security]: heap-use-after-free in garbage collection with location list user data
396fa1dec2956307755392a1c61f55d5c1847f308 (tag: v9.1.0707) patch 9.1.0707: [security]: invalid cursor position may cause a crash
322ba9108612bead5eb7731ccb66763dec69ef1b (tag: v9.1.0697) patch 9.1.0697: [security]: heap-buffer-overflow in ins_typebuf
cacb6693c10bb19f28a50eca47bc4bc33eccbae3 (tag: v9.1.0689) patch 9.1.0689: [security]: buffer-overflow in do_search() with 'rightleft'
9a6e57b09bc8c76691b367a5babfb79b31b770e8 (tag: v9.1.0678) patch 9.1.0678: [security]: use-after-free in alist_add()
0a419e07a705675ac159218f42c1daa151d2ceea (tag: v9.1.0254) patch 9.1.0254: [security]: Heap buffer overflow when calling complete_add() in 'cfu'
55f8bba73be5f9c3a5a4d0d6c5f56e65f2c7d3fc (tag: v9.1.0143) patch 9.1.0143: [security]: autocmd causes use-after-free in set_curbuff()
abf7030a5c22257f066fa9c4061ad150d5a82577 (tag: v9.1.0130) patch 9.1.0130: [security]: UAF if win_split_ins autocommands delete "wp"
28d71b566a29ceea3a2d05bcee9264ed5d630d42 (tag: v9.1.0017) patch 9.1.0017: [security]: use-after-free in eval_msgs()
9f28791b215bd4c22ed580839409c2f7d39d8140 (tag: v9.0.2158) patch 9.0.2158: [security]: use-after-free in check_argument_type
5dd41d4b6370b7b7d09d691f9252b3899c66102a (tag: v9.0.2149) patch 9.0.2149: [security]: use-after-free in exec_instructions()
abfa13ebe92d81aaaf66669c428d767847b577453 (tag: v9.0.2143) patch 9.0.2143: [security]: buffer-overflow in ex_substitute
b39b240c386a5a29241415541f1c99e2e6b8ce47 (tag: v9.0.2142) patch 9.0.2142: [security]: stack-buffer-overflow in option callback functions
9fb375aae608d7306b4baf9c1f906961f32e2abf (tag: v9.0.2141) patch 9.0.2141: [security]: buffer-overflow in suggest_trie_walk
eec0c2b3a4cfab93dd8d4adaa60638d47a2bbc8a (tag: v9.0.2140) patch 9.0.2140: [security]: use-after-free in win_enter
a555069b7d790abedc60edc505bd35bda257949d (tag: v9.0.2129) patch 9.0.2129: [security]: use-after-free in call_dfunc()
3770574e4a70e810add9929973c51f9070c8c851 (tag: v9.0.2122) patch 9.0.2122: [security]: prevent overflow in indenting
26c11c56888d01e298cd8044caf860f3c26f57bb (tag: v9.0.2121) patch 9.0.2121: [security]: use-after-free in ex_substitute
a5218a7330cb14ddd9afa323ab03f4334e6a77a0 (tag: v9.0.2118) patch 9.0.2118: [security]: avoid double-free in get_style_font_variants
6bf131888a3d1de62bbfa8a7ea03c0ddccfd496e (tag: v9.0.2112) patch 9.0.2112: [security]: overflow in shift_line
73b2d3790cad5694fc0e0d0b2926e4220c48d968 (tag: v9.0.2111) patch 9.0.2111: [security]: overflow in get_number
060623e4a3bc72b011e7cd92beadb3bfb64e06200 (tag: v9.0.2110) patch 9.0.2110: [security]: overflow in ex_address parsing
58f9befcalfa172068effad7f2ea5a9d6a7b0cca (tag: v9.0.2109) patch 9.0.2109: [security]: overflow in nv_z_get_count
ac63787734da2e294e477af52b3bd601517fa78 (tag: v9.0.2108) patch 9.0.2108: [security]: overflow with count for :s command
cb0b99f0672d8446585d26e998343dcceal7d1ce (tag: v9.0.2107) patch 9.0.2107: [security]: FPE in adjust_plines_for_skipcol
25aabc2b8ee1e19ced6f4da9d866cf9378fc4c5a (tag: v9.0.2106) patch 9.0.2106: [security]: Use-after-free in win_close()
0 206869 chrisbra@debian ~/code/vim-upstream/src (git)-[master]- % █
```



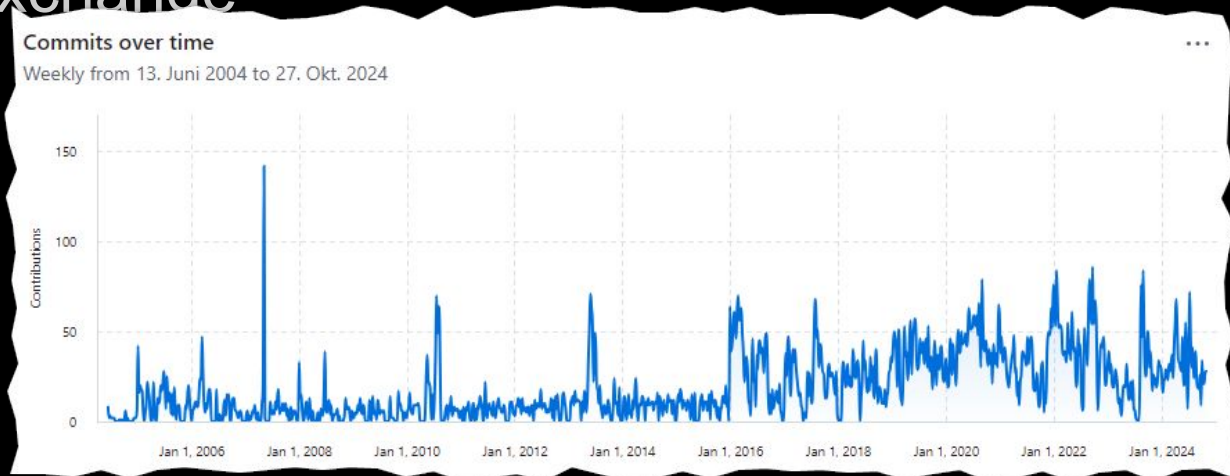
The new Vim Project – ICCF

- ICCF is still active
- Donations in the past year: > € 90,000
- Vim.org paypal link is still active
- ICCF plans to partner with the Kuwasha charity
- Vim will continue to support ICCF and people in Uganda
- Voting feature has been retired



The new Vim Project – Achievements

- Development did not stop
- New contributors
- Still a lot of activity on Github
- Not so much on vim-use ml
- active Reddit and stackexchange





The new Vim Project – Achievements

- 02. Jan. 24: Vim 9.1 – dedicated to Bram
 - Vim9 class support finished
 - virtual text improvement
 - smooth scrolling support
 - OpenVMS support
 - many bugfixes and runtime files updates

The screenshot shows the Vim 9.1 release announcement page on vim.org. The page features a navigation bar with links for SPONSOR, VOTE, the editor logo, BUY the Vim book, HELP Uganda, and LEARN Vim. The main content area is titled "Vim 9.1 is available" and includes a dedication to Bram Moolenaar, a list of new features, other improvements, and an appreciation message. A sidebar on the left contains navigation links such as Home, Advanced search, About Vim, Community, News, Sponsoring, Trivia, Documentation, Download, Scripts, Tips, My Account, and Site Help. A search bar is also present at the top left of the main content area.

Vim 9.1 is available

The Vim project is happy to announce that Vim 9.1 has finally been released. This release is dedicated to Bram Moolenaar, Vim's lead developer for more than 30 years, who passed away half a year ago. The Vim project wouldn't exist without his work!

Vim 9.1 is mainly a bug fix release, it contains hundreds of bug fixes, a few new features and there are many minor improvements.

New features

Here is a list of the most important new features:

- Vim contains support for Vim9 classes and objects for the Vim9 scripting language, see [:h vim9-class](#)
- New `:defer` command, to help cleaning up a function, see [:h defer](#)
- Support for adding virtual-text to a buffer is added. This is useful for language server features (e.g. `inlay hints`), see [:h virtual-text](#)
- Smooth scroll support has been implemented. See [:h 'smoothscroll'](#)
- An EditorConfig plugin is included with Vim. See [:h editorconfig-install](#)
- Vim has been updated for OpenVMS. See www.polarhome.com/vim
- `xxd` has been updated to support color output and allows to reverse bit dumps

Other Improvements and Changes

Many bugs have been fixed since the release of Vim 9.0, including various fixes for unsafe memory access, memory leaks, buffer overflows and potential crashes.

- See the helpfile for other improvements: [:h new-other-9.1](#)
- Changes to existing behaviour is documented at: [:h changed-9.1](#)
- A few new functions, autocommands, ex commands and options have been added: [:h added-9.1](#)
- The full list of patches is documented at: [:h patches-9.1](#)
- The **Vim FTP Server has been retired**. It is no longer used to distribute artifacts to users. If you used it in the past, please update to using the git repository instead

Appreciation

We would like to thank everybody who contributed to the project through patches, translations, bug reporters and everybody else who helped making this release! We are very grateful for any support.



The new Vim Project – Achievements

- After Vim 9.1
 - XDG Support
 - Wayland support
 - Commenting and EditorConfig plugin included
 - many small improvements (a few new options/functions/autocommands)
 - Bug fixes, Vim Script updates, potential security issues
 - See `:h vim-9.2` (work in progress)



The new Vim Project – future

- Policy:
 - Changes need to be tested
 - Better documentation of (internal) processes
 - Don't break backwards compatibility
 - Keep Documentation up to date
 - Ensure consistency
 - → minimize the “Bus factor”
- Maintenance mode
 - Needs community support
 - Mostly relatively self-contained new features



The new Vim Project – What can be improved?

- Homepage Redesign – first attempt not working well
- Simplify new contributions, keep community open and welcoming
- Understand community better
 - User Survey
 - What should we concentrate on?
 - What is the goal? Are we an IDE or just an editor?
 - How can we make Vim9 successful?
 - How to keep the community healthy?



The new Vim Project – What can be improved?

- Developers:
 - Use safe and defensive C style
 - Keep coverage high
 - Check Coverity
 - Refactor code into more manageable units
 - Retire some external interfaces? (Python2, TCL, mzscheme)



The new Vim Project – What can be improved?

- What to work on:
 - GUI improvements (GTK4, etc)?
 - Support more advanced terminal features?
 - Treesitter integration?
 - Spelling code – hasn't been touched in years



The new Vim Project

- **Maintaining Vim is hard and a full-time job**

Thanks to all Contributors, Bug Reporters, Translators and Runtime Script Maintainers.

If you enjoy Vim, please consider donating to the ICCF!

Thank you!