

cpython

Weekly Git Summary

Repository Activity Report

Feb 8 – Feb 15, 2026

79

COMMITTS

44

CONTRIBUTORS

536

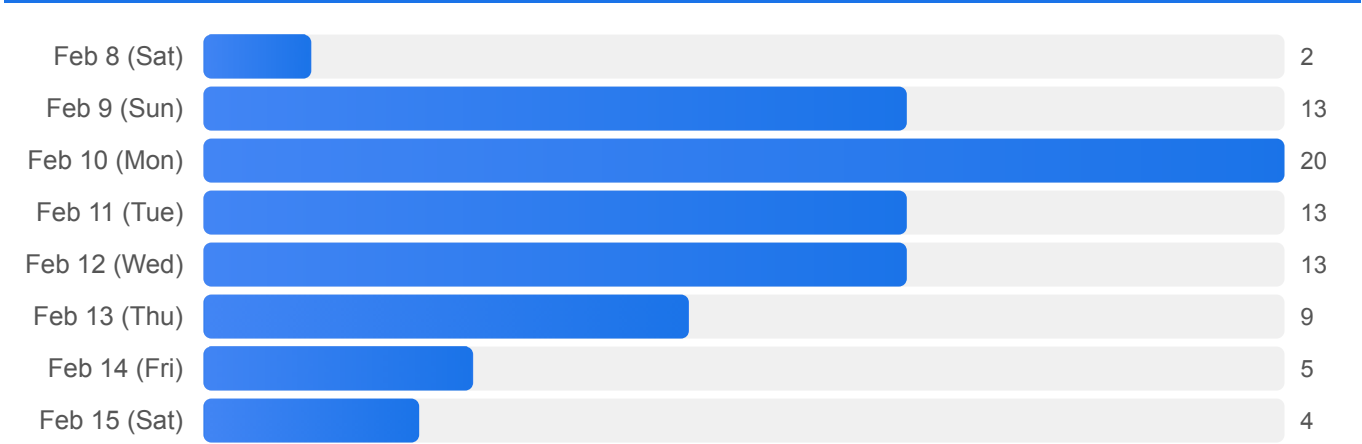
FILES
CHANGED

+11,017 /

-1,793

LINES ADDED / REMOVED

Activity by Day



Key Themes & Highlights

PEP 810: Explicit Lazy Imports feature

The landmark implementation of PEP 810 landed this week. Pablo Galindo Salgado drove the initial implementation, follow-up build fixes, a refcount corruption fix, and CODEOWNERS setup for the new lazy imports subsystem.

4 commits · Key: 46d5106, 7854597, 072cd7c, 5a6615f

OpenSSL 3.5 Upgrade infra

Zachary Ware led a comprehensive update of OpenSSL across all platforms: Windows builds updated to 3.5.5 and 3.0.19, macOS installer updated, and CI jobs migrated to latest OpenSSL versions.

6 commits · Key: fdbc135, 543f56f, b933ef9, 704b915

C Extension Test Infrastructure testing

Victor Stinner drove a significant effort to fix and enable C/C++ extension tests across platforms (macOS, Windows), made PyDateTime_IMPORT thread-safe, and expanded internal header testing.

8 commits · Key: b488f33, c6e418d, b67a64d, dd30f16

Python 3.15.0a6 Release release

Hugo van Kemenade tagged and released Python 3.15.0a6, including post-release version bumps, What's New copyedits, and updating Ruff targets to Python 3.14 syntax in the test suite.

4 commits · Key: 15b216f, 7cfeb8c, b4a620d, 81484c5

Documentation Improvements docs

Broad documentation effort with 13 commits: new str method examples (partition, isalnum, translate,rstrip), dict thread-safety guarantees, Enum HOWTO restructuring, sampling profiler visualization docs, and assorted typo fixes.

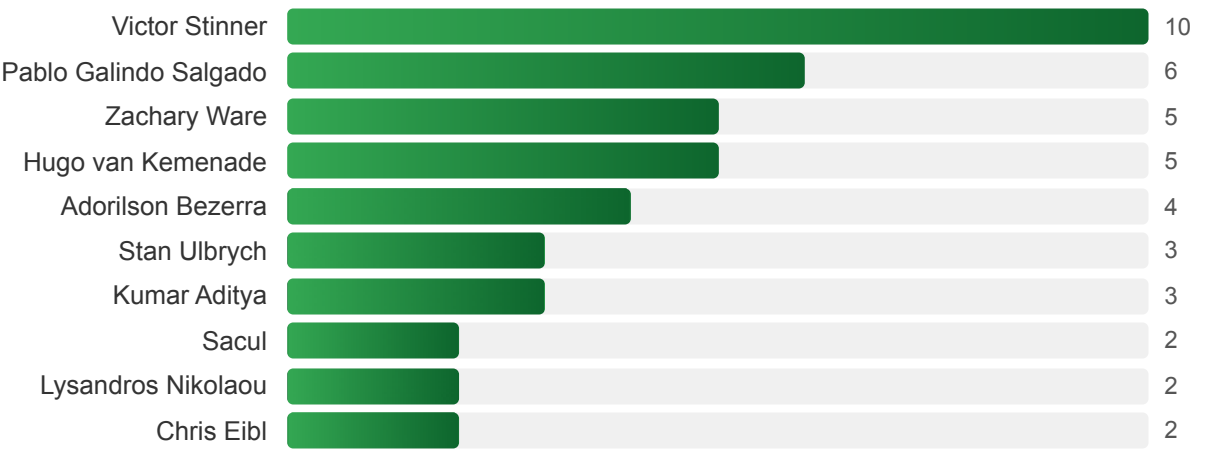
13 commits · Contributors: Adorilson Bezerra, Stan Ulbrych, Lysandros Nikolaou, others

Bug Fixes & Optimizations fixes

Notable fixes: fork crash with perf support enabled, re-entrant use-after-free in itertools.groupby, re-entrant mutation in socket.sendmsg(), named tuple bug with non-sequence iterables, importlib race condition on import failure. Optimizations: MATCH_CLASS opcode, BINARY_OP_SUBSCR_LIST_SLICE, GUARD_TOS_SLICE.

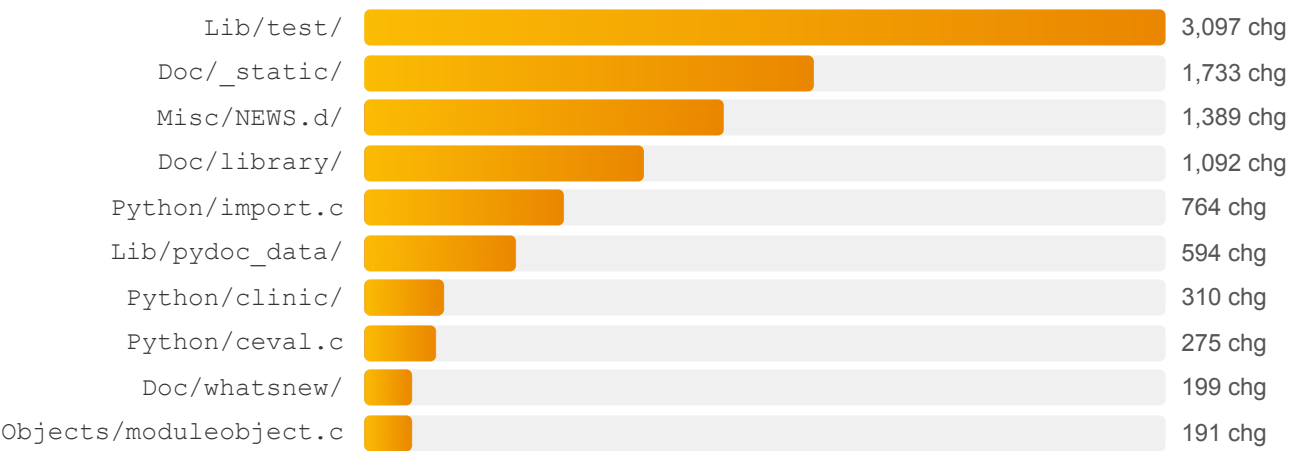
10+ commits across various subsystems

Top Contributors



+ 34 additional contributors with 1 commit each

Most Active Areas of the Codebase



Full Commit Log

Saturday, Feb 15

23c488d	Pablo Galindo Salgado	Format CODEOWNERS file
5a6615f	Pablo Galindo Salgado	Add CODEOWNERS for lazy imports
50c479e	Kumar Aditya	Add whatsnew entry for PyUnstable_SetImmortal and PyDatetime_IMPORT
e6110ef	Ramin Farajpour Cami	Fix undefined behavior from NULL pointer arithmetic in lexer

Friday, Feb 14

645f5c4	Benedikt Johannes	Remove redundant decref in codegen.c
caac966	Chris Eibl	Fix warnings in jit builds
14cbd0e	Chris Eibl	Remove unused _PyFunction_LookupByVersion
5922149	Yilei	Fix crash in fork child process when perf support is enabled
75d4839	Marc Mueller	Improve MATCH_CLASS opcode performance

Thursday, Feb 13

fdbbc135	Zachary Ware	Update various CI jobs to OpenSSL 3.5
7359bb8	Zachary Ware	Update OpenSSL version references in Mac/BuildScript/
543f56f	Zachary Ware	Update Windows builds to use OpenSSL 3.5.5
629a363	Rafael Weingartner-Ortner	Docs: Move parts of Enum HOWTO to API Docs
b933ef9	Zachary Ware	Update CI to use latest OpenSSL versions
928602c	Zachary Ware	Update Windows builds to use OpenSSL 3.0.19
d625f7d	Colin McAllister	Allow TLS v1.2 to be minimum version in tests
82b92e3	Priyanshu Singh	Fix re-entrant mutation of ancillary data in socket.sendmsg()
945bf8c	Robsdedude	Warn against using sync primitives in signal handlers

Wednesday, Feb 12

66da7bf	Seth Michael Larson	Allow HTAB in wsgiref header values
b488f33	Victor Stinner	Test more internal headers in test_cext/test_cppext
e66f4a5	James	Fix case-sensitivity of some Unicode literal escapes
9e5e1f9	Victor Stinner	Include string.h for Py_CLEAR() macro
eb6ebdb	Victor Stinner	Upgrade Windows to 2025 in GitHub Actions
b6b72e7	Bartosz Sławacki	Improve AttributeError attribute suggestions
072cd7c	Pablo Galindo Salgado	Fix refcount corruption in lazy import specialization
2e3e76e	Stan Ulbrych	Add note about input splitting in datetime.strptime
51a408e	Stan Ulbrych	Add missing step to Modules/expat/refresh.sh instructions
7854597	Pablo Galindo Salgado	Fix build errors from PEP 810
f912c83	Adorilson Bezerra	Fix incorrectly rendered code block in str.isalnum() docs
46d5106	Pablo Galindo Salgado	Implement PEP 810 – Explicit lazy imports
cac0c98	Roman Volosatovs	Update to WASI SDK 30

Tuesday, Feb 11

3e0322f	William Meehan	Use numeric_changed for UCD.numeric
c6e418d	Victor Stinner	Enable test_cppext internal C API tests on macOS

3718f4b	Ronald Eddy Jr	Fix typos and grammar errors across documentation
7cfeb8c	Hugo van Kemenade	Post 3.15.0a6
347d359	Kumar Aditya	Implement PyUnstable_SetImmortal for marking objects as immortal
81484c5	Hugo van Kemenade	Ruff: target Python 3.14 syntax in Lib/test
35dc547	Lysandros Nikolaou	Document thread-safety guarantees of dict operations
37430ca	Ned Batchelder	Docs: remove links of modules to themselves
12dbae4	Lysandros Nikolaou	Define lock-free and per-object lock
17ab556	bkap123	Fix named tuple bug when input is non-sequence iterable
15b216f	Hugo van Kemenade	Python 3.15.0a6
936d60d	Adorilson Bezerra	Improve str.rstrip() method doc
d5f96c8	Joshua Root	Disable perf trampoline on older macOS

Monday, Feb 10

d18dbd5	László Kiss Kollár	Add sampling profiler visualisation to docs
87c9789	Dov Murik	Fix sampling-rate default value description typo
b67a64d	Victor Stinner	Fix test_cpptest on macOS
eb6d0e0	Victor Stinner	Fix test_cext on Windows
b4a620d	Hugo van Kemenade	Copyedit What's New in Python 3.15
23d45f0	Victor Stinner	Don't test datetime.h with the limited C API
3dad22	Victor Stinner	Add missing cast to _PyDateTime_IMPORT()
cc81707	Nybblista	Add test for PyFunction_GetAnnotations()
6c8ca1c	Sacul	Optimize _BINARY_OP_SUBSCR_LIST_SLICE
40a82ab	Aarni Koskela	Clarify the docs for args in asyncio callbacks
ac8b5b6	Gregory P. Smith	Fix importlib race condition on import failure
b121dc4	Victor Stinner	Support Windows exit status in support get_signal_name()
73fa6be	Alper	Fix mimalloc debug build for C++
9b8d59c	kovan	Add mapping example to str.translate documentation
2c1ca6b	Pablo Galindo Salgado	Fix remote debugging with duplicate libpython mappings
d2d2459	Joshua Root	Improve libproc usage in _remote_debugging
704b915	Ned Deily	Update macOS installer to use OpenSSL 3.5.5
2042e26	Ned Deily	Update macOS installer to use Tcl/Tk 9.0.3
80ba4e1	Hugo van Kemenade	Disable pip version check when upgrading certifi
a9b6788	Steve Dower	Enable overriding sys.implementation name and cache_tag

Sunday, Feb 9

30cfe6e	Savannah Ostrowski	Clean up tail-call.yml CI
fd190d1	Stan Ulbrych	Fix process_changed_files outputs for reusable CI
245ba3d	Victor Stinner	Fix test_cpptest on Windows
fd6b639	Peter Bierma	Avoid sharing exception objects across interpreters
dd2da42	alexey semenyuk	Use sys._clear_internal_caches() at test_cmd_line

ff531f9	Bartosz Sławewski	Deprecate inherited runtime checkability of protocols
a91b5c3	VanshAgarwal24036	Fix re-entrant use-after-free in itertools.groupby
988286e	Hai Zhu	Fix missing output uops in optimizer debug output
dd30f16	Kumar Aditya	Make PyDateTime_IMPORT thread-safe
d99f3fc	Jason Yalim, PhD	Add %F format code support to strftime()
aa6ed80	Sergey B Kirpichev	Remove obsoleted removal announce for trunc delegation
b22ff1e	Petr Viktorin	Allow slots that repeat information from PyModuleDef
cfeede8	Sacul	Optimize _GUARD_TOS_SLICE

Saturday, Feb 8

432ddd9	Adorilson Bezerra	Add examples for str.partition() method
3dd7a3c	Adorilson Bezerra	Add example for str.isalnum()