mod:'uuid' no longer uses mod:'ctypes' to load :file:'libuuid' or :file:'rpcrt4.dll' at runtime.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 7); backlink

Unknown interpreted text role "mod".

 $System\ Message: ERROR/3\ (\texttt{D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d)\ (\texttt{Cpython-main})\ (\texttt{Misc})\ (\texttt{NEWS.d})\ 3.9.0b1.rst,\ line\ 7); \ \textit{backlink}$

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 7); backlink

Unknown interpreted text role "file".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 7); backlink

Unknown interpreted text role "file".

Correctly generate annotations where parentheses are omitted but required (e.g. Type [(str, int, *other))].

Fixed meth'str.isidentifier for non-canonicalized strings containing non-BMP characters on Windows.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 27); backlink

Unknown interpreted text role "meth".

Improved syntax errors for invalid characters in source code.

Fixed a bug when using :func:`codeop.compile_command` that was causing exceptions to be swallowed with the new parser. Patch by Pablo Galindo

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 46); backlink

Unknown interpreted text role "func".

Apply PEP 573 to :mod:`abc`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 56); backlink

Unknown interpreted text role "mod".

Initialize n->n col offset. (Patch by Joannah Nanjekye)

Fix command line argument parsing no longer write errors multiple times into stderr.

Port :mod:'errno' to multiphase initialization (PEP 489).

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 84); backlink

Unknown interpreted text role "mod".

Add pass-throughs for :func: hash' and :func: reversed' to :class: weakref.proxy' objects. Patch by Pablo Galindo.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 93); backlink

Unknown interpreted text role "func".

```
main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 93); backlink Unknown interpreted text role "func".
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 93); backlink

Unknown interpreted text role "class".

Port :mod:`syslog` to multiphase initialization (PEP 489).

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 103); backlink

Unknown interpreted text role 'mod'.

Reporting a specialised error message for invalid string prefixes, which was introduced in :issue:'40246', is being reverted due to backwards compatibility concerns for strings that immediately follow a reserved keyword without whitespace between them. Constructs like bg="#d00" if clear else"#fca" were failing to parse, which is not an acceptable breakage on such short notice.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 112); backlink

Unknown interpreted text role "issue".

Fix imp module deprecation warning when PyImport ReloadModule is called. Patch by Robert Rouhani.

Fixed support of nested type variables in GenericAlias (e.g. list[list[T]]).

Port stat module to multiphase initialization (PEP 489).

Enable implicit exception chaining when calling :meth: 'generator.throw'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 155); backlink

Unknown interpreted text role 'meth''.

Add tools for generating mappings headers for CJKCodecs.

Setting frame.f_lineno is now robust w.r.t. changes in the source-to-bytecode compiler

Added the ability to list interpreters associated with channel ends in the internal subinterpreters module.

Improve performance of :c:func: 'PyLong FromDouble' for values that fit into :c:type:'long'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 193); backlink

Unknown interpreted text role "c:func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 193); backlink

Unknown interpreted text role "c:type".

Fixed :func: ast.get_source_segment for ast nodes that have incomplete location information. Patch by Irit Katriel.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 203); backlink

Unknown interpreted text role "func".

Convert :mod:'bisect' to use Argument Clinic.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 213); backlink

Unknown interpreted text role "mod".

Added the :func: ~zoneinfo.available timezones' function to the :mod: zoneinfo' module. Patch by Paul Ganssle.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 222); backlink

Unknown interpreted text role "func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 222); backlink

Unknown interpreted text role "mod".

The :class:`hmac.HMAC` exposes internal implementation details. The attributes digest_cons, inner, and outer are deprecated and will be removed in the future.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 232); backlink

Unknown interpreted text role "class".

The internal module _hashlib wraps and exposes OpenSSL's HMAC API. The new code will be used in Python 3.10 after the internal implementation details of the pure Python HMAC module are no longer part of the public API.

Builtin hash modules can now be disabled or selectively enabled with configure

--with-builtin-hashlib-hashes=sha3,blake1 Or --without-builtin-hashlib-hashes.

The :mod: hashlib' module can now use SHA3 hashes and SHAKE XOF from OpenSSL when available.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 265); backlink

Unknown interpreted text role "mod".

The :mod:`hashlib` now compiles with OpenSSL 3.0.0-alpha2.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 275); backlink

Unknown interpreted text role "mod".

Revert changes to :func:`inspect.getdoc`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 284); backlink

Unknown interpreted text role "func".

When cancelling a task due to timeout, :meth:`asyncio.wait_for` will now propagate the exception if an error happens during cancellation. Patch by Roman Skurikhin.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 293); backlink

Unknown interpreted text role "meth".

Fix edge cases in SyntaxError formatting. If the offset is <= 0, no caret is printed. If the offset is > line length, the caret is printed pointing just after the last character.

If text content lines are longer than policy.max_line_length, always use a content-encoding to make sure they are wrapped.

Added functools.cache() as a simpler, more discoverable way to access the unbounded cache variant of lru_cache(maxsize=None).

PEP 615, the :mod:'zoneinfo' module. Adds support for the IANA time zone database.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 335); backlink

Unknown interpreted text role "mod".

Removed attributes __args__ and __parameters__ from special generic aliases like typing.List (not subscripted).

Convert posixmodule.c ("posix" or "nt" module) to the multiphase initialization (PEP 489).

Add a msg argument to :meth: 'Future.cancel' and :meth: 'Task.cancel'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 365); backlink

Unknown interpreted text role "meth".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 365); backlink

Unknown interpreted text role "meth".

Added an optional counts parameter to random sample().

The <u>mod</u>: ssl' and <u>mod</u>: hashlib' modules now actively check that OpenSSL is build with thread support. Python 3.7.0 made thread support mandatory and no longer works safely with a no-thread builds.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 383); backlink

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 383); backlink

Unknown interpreted text role "mod".

When a 'class:'asyncio.Task' is cancelled, the exception traceback now chains all the way back to where the task was first interrupted.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 394); backlink

Unknown interpreted text role "class".

:func:`functools.lru cache` objects can now be the targets of weakrefs.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 404); backlink

Unknown interpreted text role "func".

Fix possible memory leak in the C implementation of :class:'asyncio.Task'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 413); backlink

Unknown interpreted text role "class".

fnmatch.fnmatch() could take exponential time in the presence of multiple * pattern characters. This was repaired by generating more elaborate regular expressions to avoid futile backtracking.

mod: compileall' is now able to use hardlinks to prevent duplicates in a case when .pyc files for different optimization levels have the same content.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 433); backlink

Unknown interpreted text role "mod".

The ssl module now support OpenSSL builds without TLS 1.0 and 1.1 methods.

Improve error reporting in :func: `ast.literal_eval` in the presence of malformed :class: `ast.Dict` nodes instead of silently ignoring any non-conforming elements. Patch by Curtis Bucher.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 453); backlink

Unknown interpreted text role "func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 453); backlink

Unknown interpreted text role "class".

Deprecated the optional random argument to random.shuffle().

:func: platform.win32 ver' now produces correct ptype strings instead of empty strings.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\((cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 473); backlink

Unknown interpreted text role "func".

The first argument of :func:'pickle.loads' is now positional-only.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 483); backlink

Unknown interpreted text role "func".

Update :mod: 'nntplib' to merge :class: 'nntplib.NNTP' and :class: 'nntplib. NNTPBase'. Patch by Dong-hee Na.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 492); backlink

Unknown interpreted text role "mod".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 492); backlink

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 492); backlink

Unknown interpreted text role "class".

Update :mod: dbm.gnu' to use gdbm count if possible when calling :func: len'. Patch by Dong-hee Na.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 502); backlink

Unknown interpreted text role 'mod'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 502); backlink

Unknown interpreted text role "func".

Add isolated=True keyword-only parameter to $_{\text{xxsubinterpreters.create()}}$. An isolated subinterpreter cannot spawn threads, spawn a child process or call os.fork().

Remove $_$ random.Random.randbytes(): the C implementation of randbytes(). Implement the method in Python to ease subclassing: randbytes() now directly reuses getrandbits().

Added default arguments to :meth: difflib.SequenceMatcher.find_longest_match()'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 534); backlink

Unknown interpreted text role "meth".

Fix a race condition in concurrent.futures._ThreadWakeup: access to _ThreadWakeup is now protected with the shutdown lock.

Process.shutdown (wait=True) of :mod: `concurrent.futures` now closes explicitly the result queue.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 554); backlink

Unknown interpreted text role "mod".

Add a new :meth:`~multiprocessing.SimpleQueue.close` method to the :class:`~multiprocessing.SimpleQueue` class to explicitly close the queue.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 564); backlink

Unknown interpreted text role "meth".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 564); backlink

Unknown interpreted text role "class".

Revert bpo-25597. :class: unittest.mock.MagicMock` with wraps' set uses default return values for magic methods.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 574); backlink

Unknown interpreted text role "class".

Added files () function to importlib.resources with support for subdirectories in package data, matching backport in importlib_resources 1.5.

meth: imaplib.IMAP4.unselect is added. Patch by Dong-hee Na.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 595); backlink

Unknown interpreted text role 'meth''.

repr() now returns typing.Optional[T] when called for typing.Union of two types, one of which is NoneType.

Add support for CAN J1939 sockets (available on Linux 5.4+)

:class:`types.MappingProxyType` is now reversible.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 623); backlink

Unknown interpreted text role "class".

The repr for :class: 'types.SimpleNamespace' is now insertion ordered rather than alphabetical.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 632); backlink

Unknown interpreted text role "class".

On AIX, :func: `~time.thread_time` is now implemented with thread_cputime() which has nanosecond resolution, rather than clock gettime(CLOCK THREAD CPUTIME ID) which has a resolution of 10 milliseconds. Patch by Batuhan Taskaya.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 642); backlink

Unknown interpreted text role "func".

Raise TypeError when _generate_next_value_ is defined after members. Patch by Ethan Onstott.

In the argparse module, the repr for Namespace() and other argument holders now displayed in the order attributes were added. Formerly, it displayed in alphabetical order even though argument order is preserved the user visible parts of the module.

The isocalendar() methods of class: 'datetime.date' and class: 'datetime.datetime' now return a :term: 'named tuple' instead of a class: 'tuple'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 676); backlink

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 676); backlink

Unknown interpreted text role "class".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 676); backlink

Unknown interpreted text role "term".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 676); backlink

Unknown interpreted text role "class".

Add version of removal for explicit passing of coros to asyncio.wait()'s documentation

Provide docstrings for webbrowser open functions.

Mention that :func: asyncio.wait requires a non-empty set of awaitables.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 706); backlink

Unknown interpreted text role "func".

Tutorial example for sorted() in the Loop Techniques section is given a better explanation. Also a new example is included to explain sorted()'s basic behavior.

Fix an incorrect signature for :func:'pickle.loads' in the docs

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 726); backlink

Unknown interpreted text role "func".

distutils.tests now saves/restores warnings filters to leave them unchanged. Importing tests imports docutils which imports pkg resources which adds a warnings filter.

test gdb and test.pythoninfo now check gdb command exit code.

Move dirnameW out of HAVE SYMLINK to fix a potential compiling issue.

Add --with-experimental-isolated-subinterpreters build option to configure: better isolate subinterpreters, experimental build mode.

Include winsock2.h in pytime.c for timeval.

Increase reserved stack space to prevent overflow crash on Windows.

Add IPv6 support to :mod:'asyncio' datagram endpoints in ProactorEventLoop. Change the raised exception for unknown address families to ValueError as it's not coming from Windows API.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 792); backlink

Unknown interpreted text role "mod".

When building Python on macOS from source, _tkinter now links with non-system Tcl and Tk frameworks if they are installed in /Library/Frameworks, as had been the case on older releases of macOS. If a macOS SDK is explicitly configured, by using --enable-universalsdk= or -isysroot, only the SDK itself is searched. The default behavior can still be overridden with --with-tcltk-includes and --with-tcltk-libs.

Expose RFC 3542 IPv6 socket options.

Update multissitest helper to test with latest OpenSSL 1.0.2, 1.1.0, 1.1.1, and 3.0.0-alpha.

Fix a syntax typo in turtledemo that now raises a SyntaxError.

Fix multissItest tool. OpenSSL has changed download URL for old releases. The multissItest tool now tries to download from current and old download URLs.

Remove the PyUnicode ClearStaticStrings() function from the C API.

Add PyCFunction_CheckExact() macro for exact type checks now that we allow subtypes of PyCFunction, as well as PyCMethod CheckExact() and PyCMethod Check() for the new PyCMethod subtype.

Declare _PyErr_GetTopmostException() with PyAPI_FUNC() to properly export the function in the C API. The function remains private (Py) prefix.

Nullify inittab_copy during finalization, preventing future interpreter initializations in an embedded situation from crashing. Patch by Gregory Szorc.

The :c:func:'PyThreadState GetFrame' function now returns a strong reference to the frame.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 899); backlink

Unknown interpreted text role "c:func".

Remove the following functions from the C API. Call :c:func: PyGC Collect explicitly to free all free lists.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 909); backlink

Unknown interpreted text role "c:func".

- PyAsyncGen ClearFreeLists()
- PyContext ClearFreeList()
- PyDict ClearFreeList()
- PyFloat ClearFreeList()
- PyFrame_ClearFreeList()
- PyList_ClearFreeList()
- PySet_ClearFreeList()
- PyTuple ClearFreeList()

New :c:func: PyFrame GetBack` function: get the frame next outer frame.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d)3.9.0b1.rst, line 928); backlink

Unknown interpreted text role "c:func".

New :c:func: PyFrame GetCode' function: return a borrowed reference to the frame code.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 937); backlink

Unknown interpreted text role "c:func".

Ensure that instances of types created with c:func: PyType_FromSpecWithBases` will visit its class object when traversing references in the garbage collector (implemented as an extension of the provided c:member: ~PyTypeObject.tp_traverse`). Patch by Pablo Galindo.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main) (Misc) (NEWS.d) 3.9.0b1.rst, line 947); backlink

Unknown interpreted text role "c:func".

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Misc\NEWS.d\(cpython-main\) (Misc) (NEWS.d) 3.9.0b1.rst, line 947); backlink

Unknown interpreted text role "c:member".