Python core development news and informati

Tuesday, March 19, 2024

Python 3.10.14, 3.9.19, and 3.8.19 is now available

Howdy!
Those are the boring security releases that aren't supposed to bring anything new. But not this time! We do have a bit of news, actually. But first things first: go update your systems!

Python 3.10.14

Get it here: Python Release Python 3.10.14

26 commits since the last release.

Python 3.9.19

Get it here: Python Release Python 3.9.19

26 commits since the last release.

Python 3.8.19

Get it here: Python Release Python 3.8.19

28 commits since the last release.

Security content in this release

- gh-115399 & gh-115398: bundled libexpat was updated to 2.6.0 to address CVE-2023-52425, and control of the new reparse deferral functionality was exposed with new APIs. Thanks to Sebastian Pipping, the maintainer of libexpat, who worked with us directly on incorporating those fixes!
- gh-109858: `zipfile` is now protected from the "quoted-overlap" zipbomb to address CVE-2024-0450. It now raises `BadZipFile` when attempting to read an entry that overlaps with another entry or central directory
- gh-91133: `tempfile.TemporaryDirectory` cleanup no longer dereferences symlinks when working around file system permission errors to address CVE-2023-6597
- gh-115197: `urllib.request` no longer resolves the hostname before checking it against the system's proxy bypass list on macOS and Windows
- gh-81194: a crash in `socket.if_indextoname()` with a specific value (`UINT_MAX`) was fixed. Relatedly, an integer overflow in `socket.if_indextoname()` on 64-bit non-Windows platforms was fixed