[V8 JavaScript engine](https://v8.dev/)

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# What is V8?

V8 is Google’s open source high-performance（**高性能**） JavaScript and WebAssembly engine, written in C++. It is used in Chrome and in Node.js, among others. It implements [ECMAScript](https://tc39.es/ecma262/) and [WebAssembly](https://webassembly.github.io/spec/core/), and runs on Windows 7 or later, macOS 10.12+, and Linux systems that use x64, IA-32, ARM, or MIPS processors. V8 can run standalone, or can be embedded into any C++ application.

## Latest posts and feature explainers

1. [Pointer compression in Oilpan](https://v8.dev/blog/oilpan-pointer-compression) 28 November 2022 [internals](https://v8.dev/blog/tags/internals) [memory](https://v8.dev/blog/tags/memory) [cppgc](https://v8.dev/blog/tags/cppgc)
2. [RegExp v flag with set notation and properties of strings](https://v8.dev/features/regexp-v-flag) 27 June 2022 [ECMAScript](https://v8.dev/blog/tags/ecmascript)
3. [Discontinuing release blog posts](https://v8.dev/blog/discontinuing-release-posts) 17 June 2022 [release](https://v8.dev/blog/tags/release)
4. [Retrofitting temporal memory safety on C++](https://v8.dev/blog/retrofitting-temporal-memory-safety-on-c++) 14 June 2022 [internals](https://v8.dev/blog/tags/internals) [memory](https://v8.dev/blog/tags/memory) [security](https://v8.dev/blog/tags/security)
5. [Faster initialization of instances with new class features](https://v8.dev/blog/faster-class-features) 20 April 2022 [internals](https://v8.dev/blog/tags/internals)
6. [V8 release v9.9](https://v8.dev/blog/v8-release-99) 31 January 2022 [release](https://v8.dev/blog/tags/release)
7. [Oilpan library](https://v8.dev/blog/oilpan-library) 10 November 2021 [internals](https://v8.dev/blog/tags/internals) [memory](https://v8.dev/blog/tags/memory) [cppgc](https://v8.dev/blog/tags/cppgc)
8. [V8 release v9.7](https://v8.dev/blog/v8-release-97) 05 November 2021 [release](https://v8.dev/blog/tags/release)
9. [WebAssembly Dynamic Tiering ready to try in Chrome 96](https://v8.dev/blog/wasm-dynamic-tiering) 29 October 2021 [WebAssembly](https://v8.dev/blog/tags/webassembly)
10. [Finding elements in Arrays and TypedArrays](https://v8.dev/features/finding-in-arrays) 27 October 2021 [ECMAScript](https://v8.dev/blog/tags/ecmascript)

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