

Chapter Seventeen

NodeJS vs Browser: Does Javascript Act Same

Becau \$



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Both Use Google's V8 Engine in The Background

Thats Mean, We don't Have to Worry About Platform Anymore



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What is V8 Engine?

V8 is Google's open source high-performance JavaScript and WebAssembly engine, written in C++

What does It Means?

V8 is a C++ program, which receives JavaScript code, compiles, and executes it



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What Does V8 Do?

- ☒ **Compile and Executes Javascript Code**
- ☒ **Handling Call Stack**
- ☒ **Handling Heap Memory to Allocate Memory for Variables**
- ☒ **Collect Garbage - Release Memory which is No Longer Necessary**
- ☒ **Provide Data Types, Operators, Objects and Functions**



What Does V8 Do not Do?

- ☒ **Document Object Model - Don't Know Anything About It**
- ☒ **Multiple V8 Engine Never Share Variables or Context**

