

Node.js Performance Workshop

This course is designed to help developers and operations engineers to gain a deep understanding of the inner workings of Node.js and V8, with an eye on fine-tuning code decisions and deployment for maximum speed and efficiency at runtime. Tools for debugging performance issues are also presented along with best practices for building scalable solutions.

Who Should Attend:

Node.js Engineers, Operations Engineers

Pre-Requisites:

Familiarity with JavaScript and Node.js

Duration:

2 Days

Learning Objectives:

By the end of training, attendees will:

- ✓ Understand how V8 runs Node.js
- ✓ Understand how to fine-tune code for maximum speed and efficiency at runtime
- ✓ Understand the implications of various choices on the ultimate real-world performance of the system including code and API design choices
- ✓ Understand whether or not individual tasks should be written in Node.js or not
- ✓ Understand how to build scalable systems

Topics Covered:

Topics include, but are not limited to: modules, callbacks, eventEmitters, error handling, buers, streams, file system, TCP, HTTP, UDP, child process, cluster, assert, and debugging.