Node.js is a javascript runtime built on Chrome’s V8 javascript engine . Node.js uses an event-driven , non-blocking model that makes it lightweight and efficient.

Node.js’ package ecosystem , npm is the largest ecosystem of open source libraries in the world

Node.js is a platform that allows us to run javascript on a computer/server .It gives us the ability to read, delete , update files and also allows easy communication with the database.

It is very fast since on the V8 engine and uses non-blocking code .It is great for real time services like chats.

A javascript engine takes javascript and converts it into something it does understand –machine code. Nodejs is written in C++. V8engine is also written in C++ is used in google chrome .V8 engine converts our JS into machine code. Node.js is written in C++ and V8 is embedded into it.

Javascript -> Node js -> Machine code

The starting point for a node project is to initialize its package manager which creates a file called package.json. This file must be checked into git.

It generally contains:

A description of your project for NPM, List of references to all installed packages , Custom command line scripts , Configuration for installed packages