

Node

Javascript, not just for browsers.

Agenda

- Node
- REPL
- Event Loop
- Event Emitter
- Application

Why Node?

- One language to rule them all
- Great Open-source community
- Business Impact

How to run it?

File

- Write code in a .js file
- Code can be stored and shared with others
- Used for building applications
- Dependency management is easier

REPL

- Playground for Node
- Does not persist

Asynchronous

Why do we need it anyway?

Node Components

- JS we write
- Node
- V8
- libuv

Node

- Interface to convert JS to the underlying C++ code
- Provide wrappers, unified and consistent modules to interact with the underlying system

V8

Open source JS engine, by Google. To execute JS outside browser. It translates JS to C++. It provides the C++ implementation of JS objects.

libuv

C++ open source project, access to FS, networking, concurrency

Example: pbkdf2

Event Loop

Single threaded?

Event Emitter

Simple Application

Q & A