Node's Event-driven Architecture

Samer Buna

@samerbuna   www.jscomplete.com

Asynchrony

Callbacks

Promises

Async/Await

```
const doSomething = (cb) => {

  // ...

};



doSomething((err, data) => {

  // ...

});
```

◄ Define

◄ Use

Callbacks !== Asynchrony

EventEmitter

```
const EventEmitter = require('events');          ◄ import


class Logger extends EventEmitter {}             ◄ extend


const logger = new Logger();                     ◄ init


logger.emit('event');                            ◄ emit


logger.on('event', listenerFunc);                ◄ addListener
```
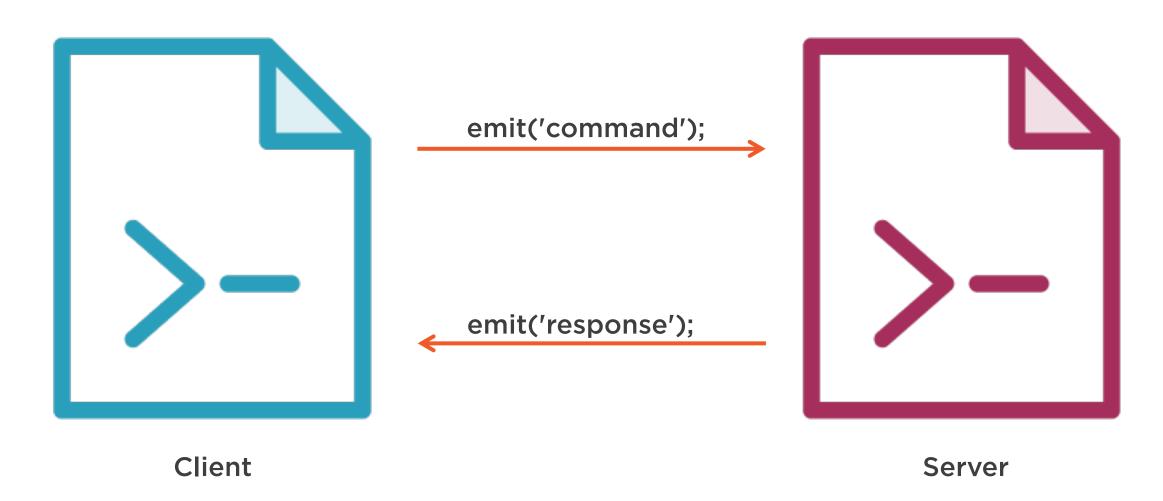
Practical Example: Task List Manager

Task List Manager

emit('command');

emit('response');

Client

Server

Available Commands

help

ls

add

delete

Summary

Event-driven nature

Callbacks, promises, and async/await

The EventEmitter module

Arguments, errors, and order of listeners

Practical Example: Task List Manager