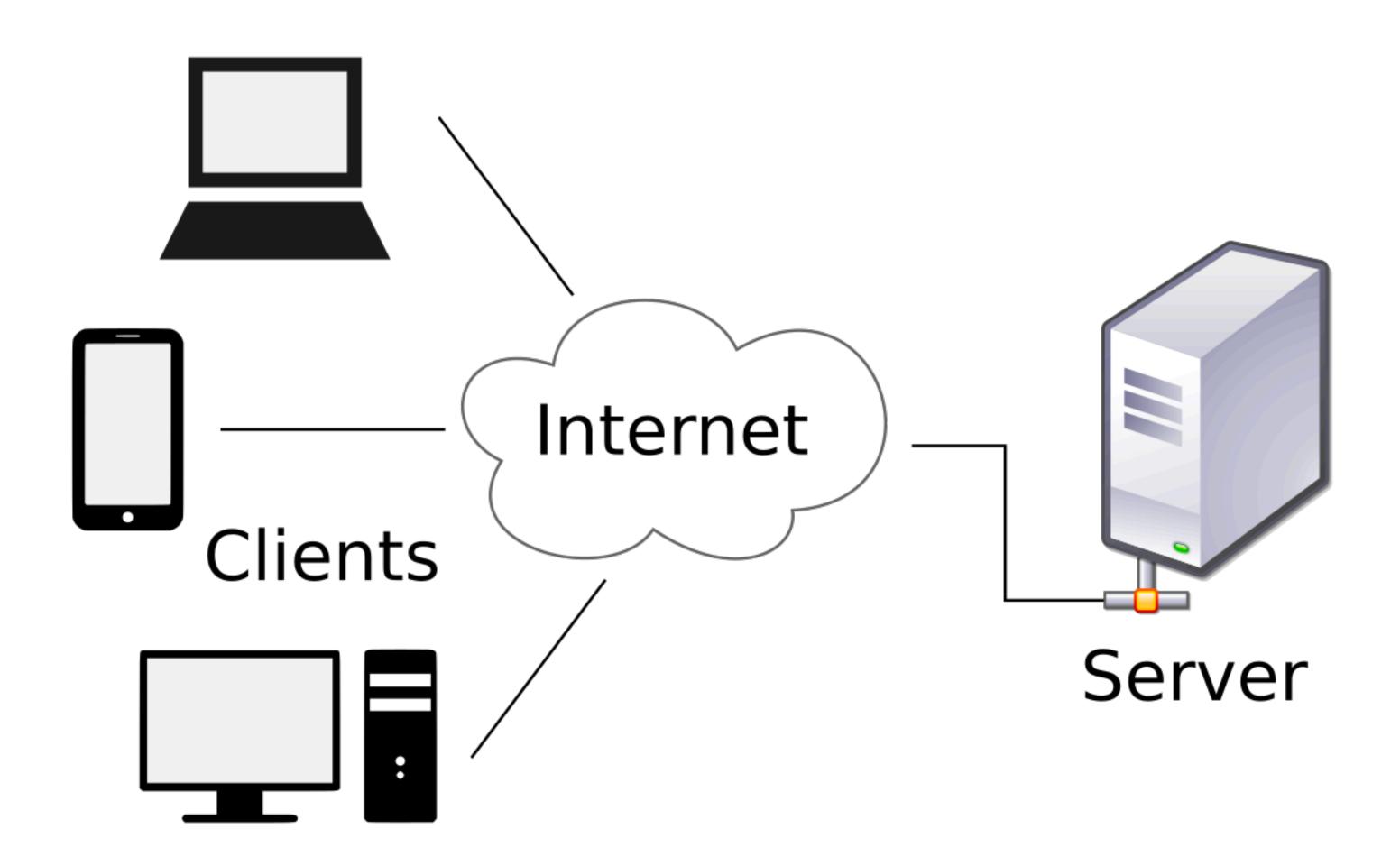# LESSON 26

NODE.JS

INTERNET

HISTORY

‣ 2009 node.js/npm was released by Ryan Dahl

‣ 2010 Express is born

‣ https://nodejs.dev/learn/a-brief-history-of-nodejs

NODE.JS VS CLIENT JS

▸ window / global

▸ DOM, document, alert / request & response

▸ Browser / OS

▸ npm

▸ V8

▸ node.green

HOW TO RUN

▸ node [file][code]

NODE, DENO

▸ Typescript

▸ Modern JS capabilities

▸ Es6 modules

▸ No npm

▸ Rust

COMMON.JS VS ES MODULES

- ▸ .mjs

- ▸ amd

- ▸ require.js

```
//—— lib.js ——————
export const sqrt = Math.sqrt;
export function square(x) {
    return x * x;
}
export function diag(x, y) {
    return sqrt(square(x) + square(y));
}

//—————— main.js ——————
import { square, diag } from 'lib';
console.log(square(11)); // 121
console.log(diag(4, 3)); // 5
```

```
function fn(){
    // ...
}
module.exports = fn;          // export module

const module = require('module'); // import module
```

SIMPLE SERVER

▸ http.createServer();

▸ server.listen(PORT);

DEMON

▸ nodemon

TEMPLATES ШАБЛОНИЗАТОРЫ

▶ Handlebars / hbs

▶ Pug

EXPRESS

▸ Framework

API SERVER / ENDPOINTS

▸ app.get("/",

▸ app.post("/users"

FS

▸ File system access

POSTMAN

▸ App for testing API