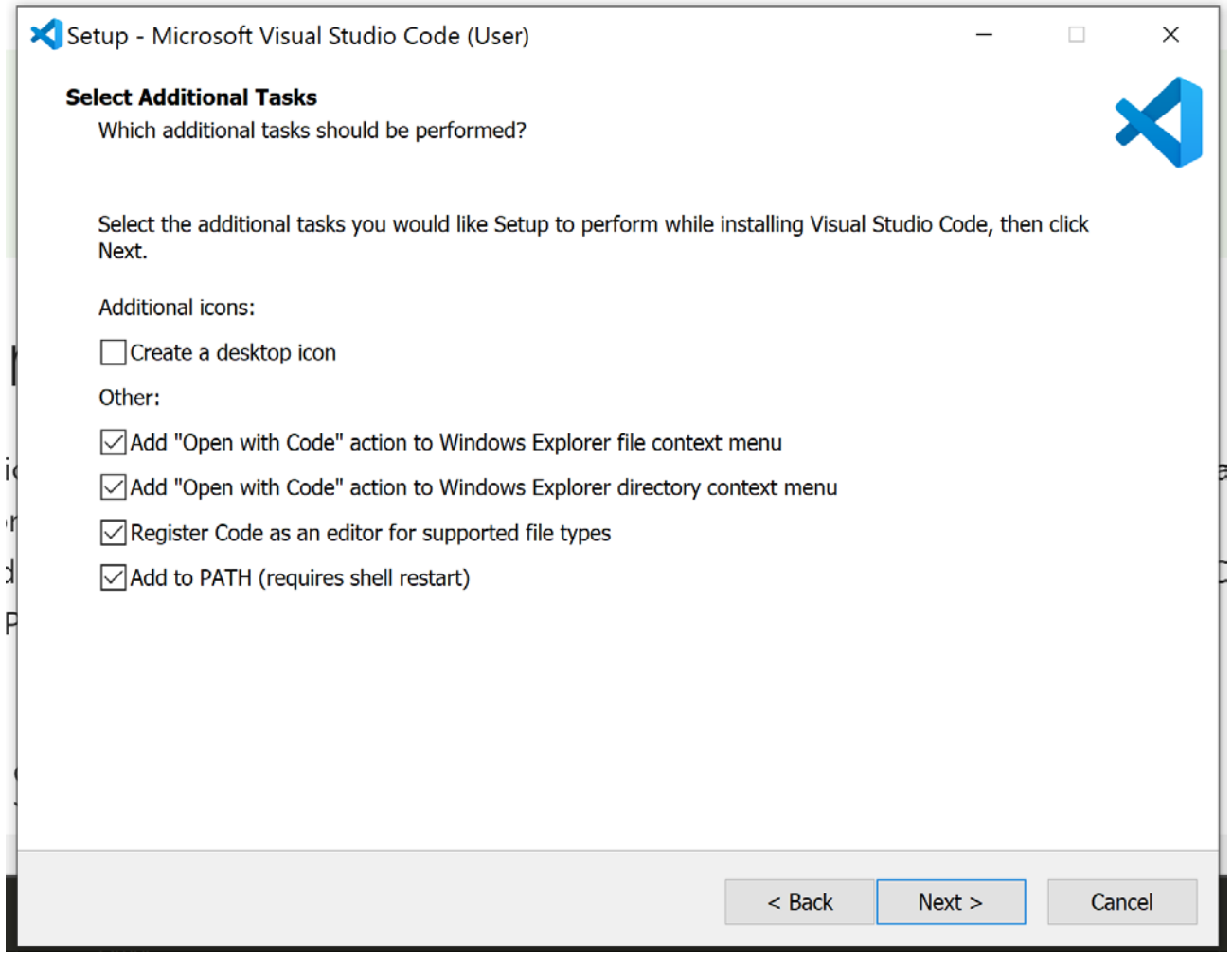
notes

formation nodejs

Logiciels

- NodeJS : node LTS
- Versioning de nodejs : nvm, volta
- IDE : **Visual Studio Code**, Jetbrains (IntelliJ ultimate, PHPStorm, WebStorm, etc.)
- Base de donnees : MongoDB
- SCM : **Git**, SVN, Mercury, CVS, Clearcase
- Navigateur : **Chrome**, Firefox, Safari, Opera, Edge, Brave

vscode install



Webographie

- https://caniuse.com/
- https://docs.npmjs.com/cli/v6/using-npm/semver
- https://semver.org/
- https://nodejs.org/en

Vscode extensions

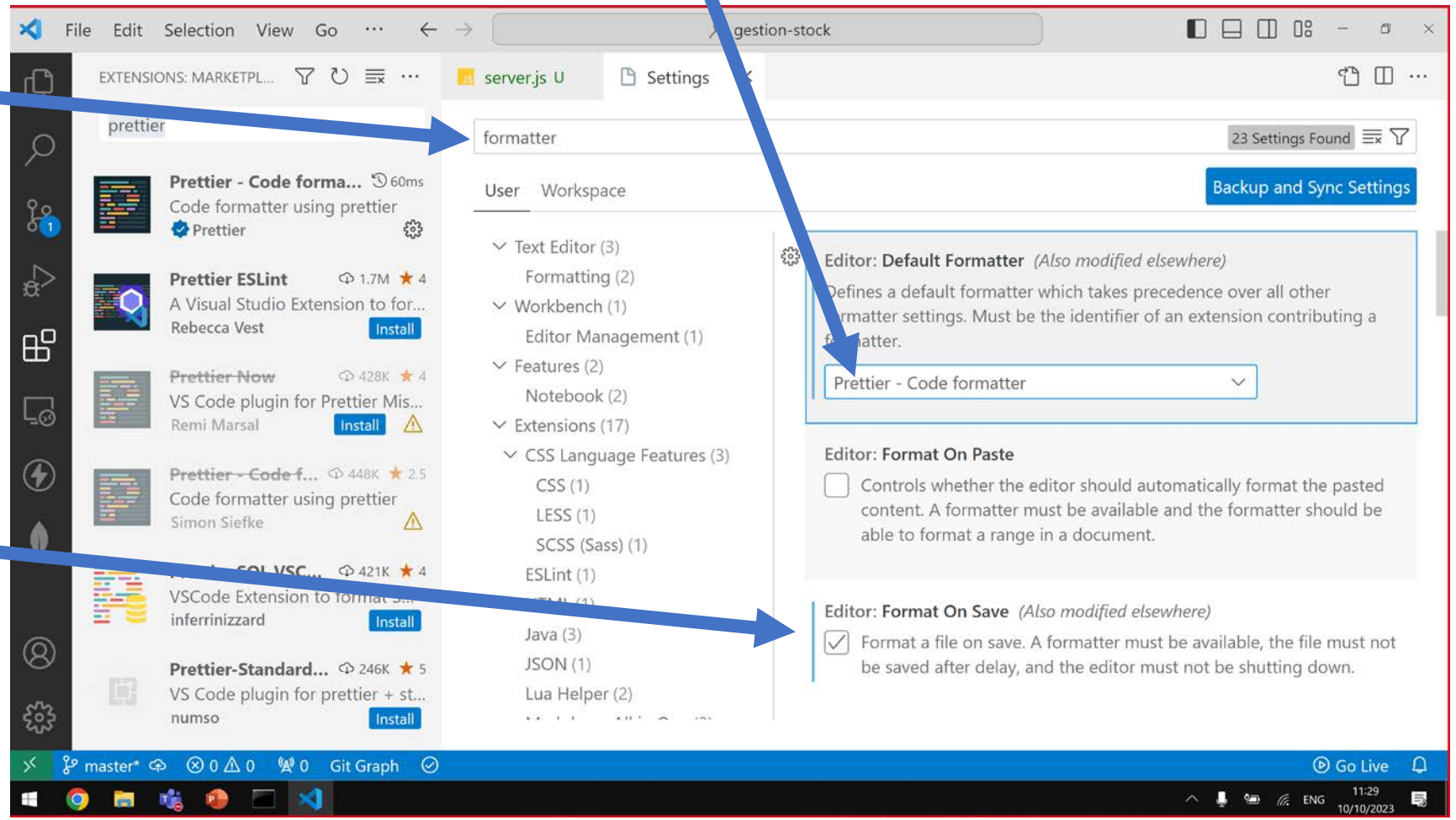
- Prettier
- Javascript Console Utils (whtouche)
- Git Graph
- Error Lens
- Intellicode * (microsoft)
- Thunder Client
- String Template Converter
- CodeMetrics
- Javascript (ES6) code snippet
- Material Icon Theme (philip kief)
- Document This
- ESLint

Prettier

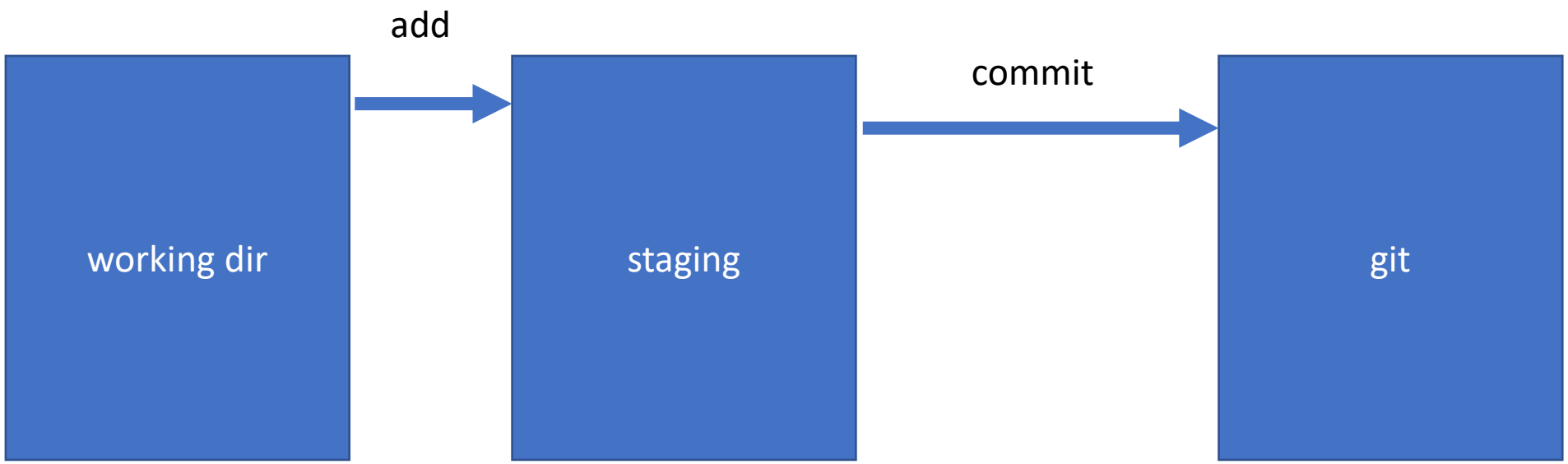
1. filter sur formatter

2. Prettier

3. format on save



git commit



git commit config

- git config --global user.name "Jean-Louis GUENEGO"
- git config --global user.email jlguenego@gmail.com

HTTP

Hyper Text Transfer Protocol

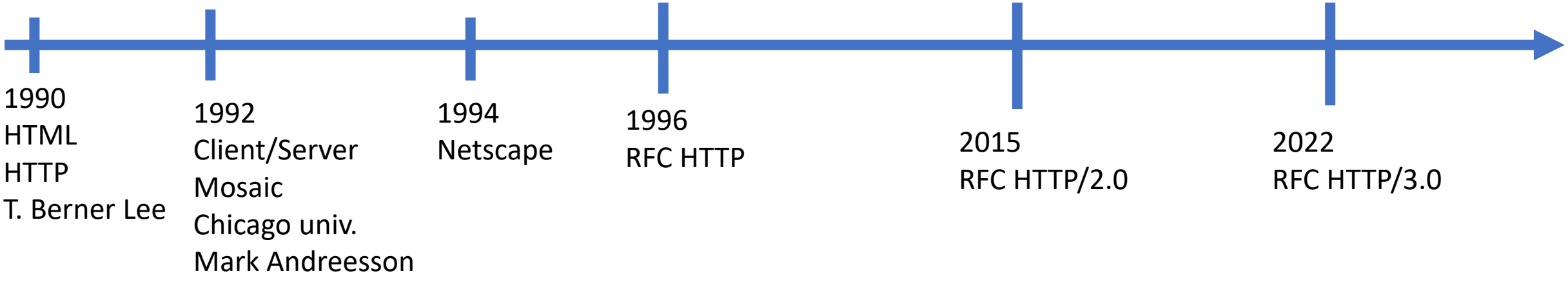
Requete HTTP :
POST /toto?wwwwsdfsdf HTTP/3.0
ids: id1, id2, id3, id4
sdfsdffsd: asdfasdfas
asddddd: sdsdfsd
dfdffdf: asdfasd
Content-Length: 12
Content-Type: application/json
User-Agent: Chrome 133

[…]

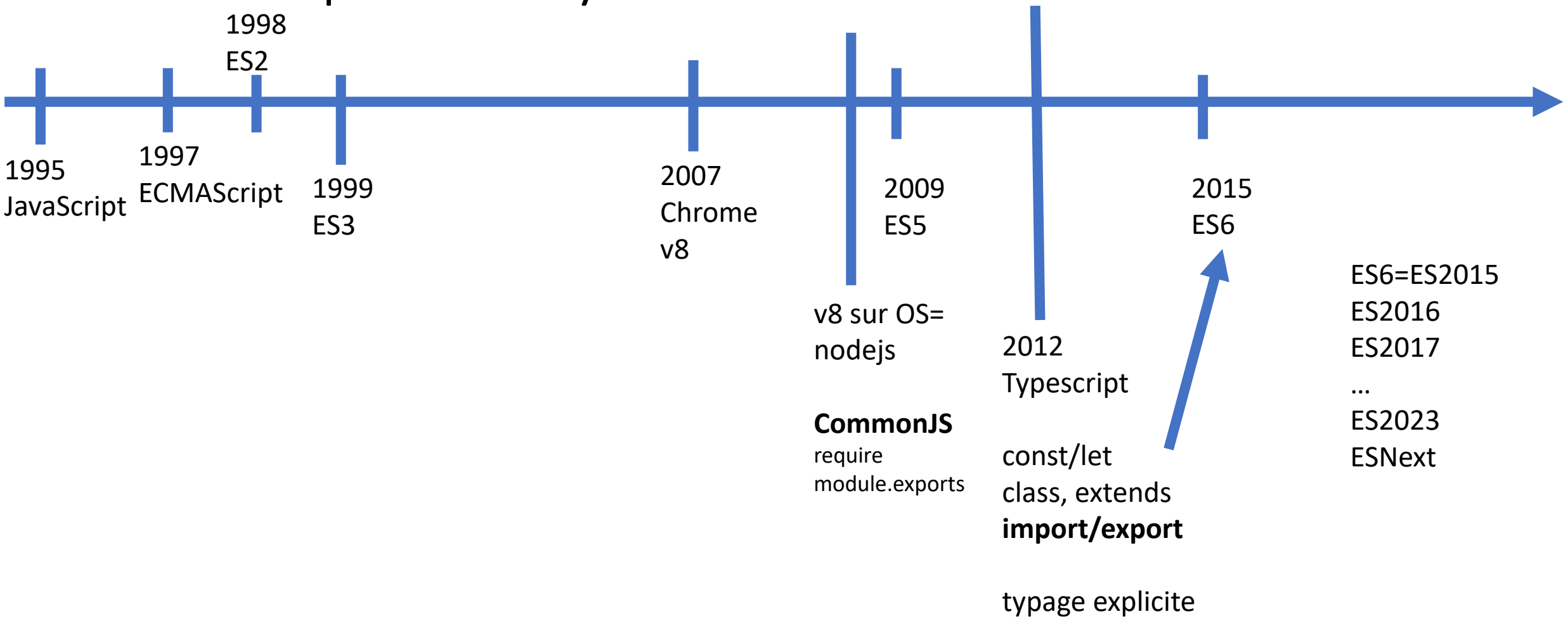
Reponse HTTP :
HTTP/2.0 201 Created
rrtrtrtrt: fgfgfgfg
dfdfgdf: sdsdfdsf
Content-Length: 4
Content-Type: text/plain; encoding=utf8

tête

HTTP histoire



Javascript history



node logiciels

- node.exe : sert a lancer des scripts javascript
- npm.exe : gère des librairies externe
  - telecharger des librairies depuis internet
  - …
- npx.exe : alias de "npm exec"

les commandes npm

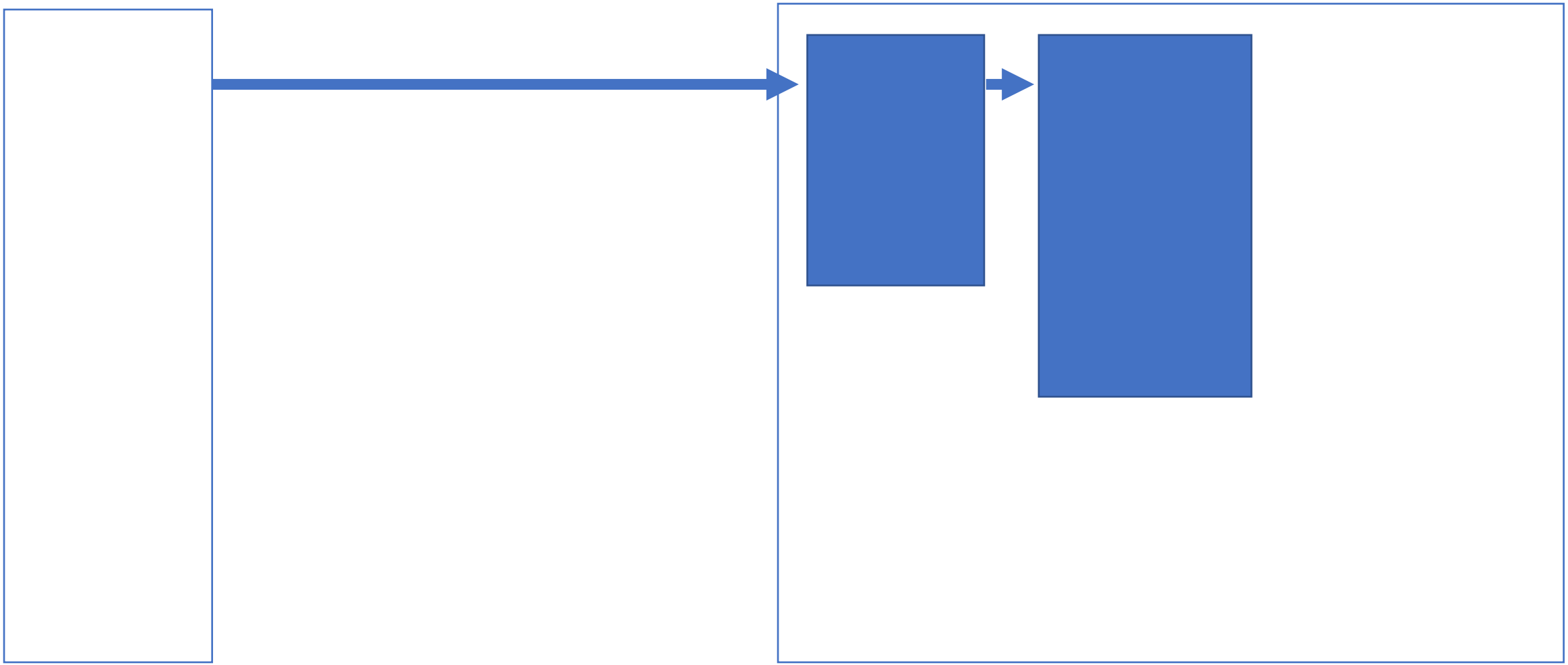
- npm init
  - npm init -y
- npm install <librairie>
- npm install
- npm install -D <librairie>
- npm run <script>
- npm exec = npx
- npm view <librairie> versions

modules

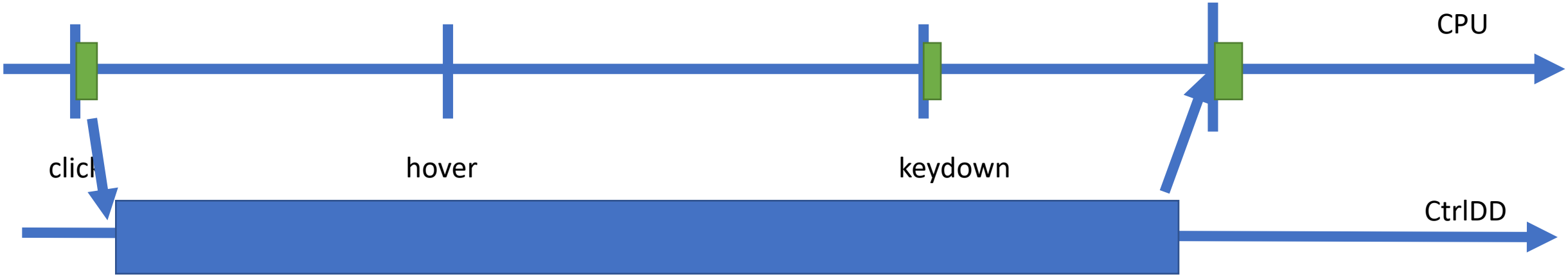
- module node (package) : répertoire contenant package.json
- module commonjs : fichier avec const x = require('x') et module.exports = result
- module ES : fichier qui contient l'instruction import ou export
- module typescript

npx

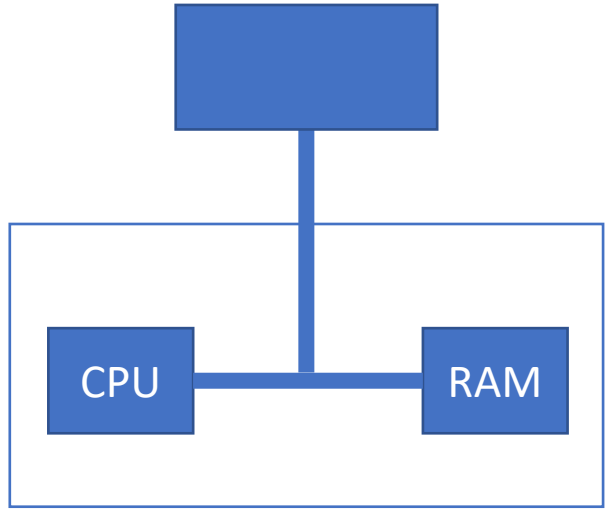
```
D:\___NJS\gestion-stock\back>.\node_modules\.bin\mime logo.svg
image/svg+xml

D:\___NJS\gestion-stock\back>npm exec mime logo.svg
image/svg+xml

D:\___NJS\gestion-stock\back>npx mime logo.svg
image/svg+xml

D:\___NJS\gestion-stock\back>
```



asynchrone



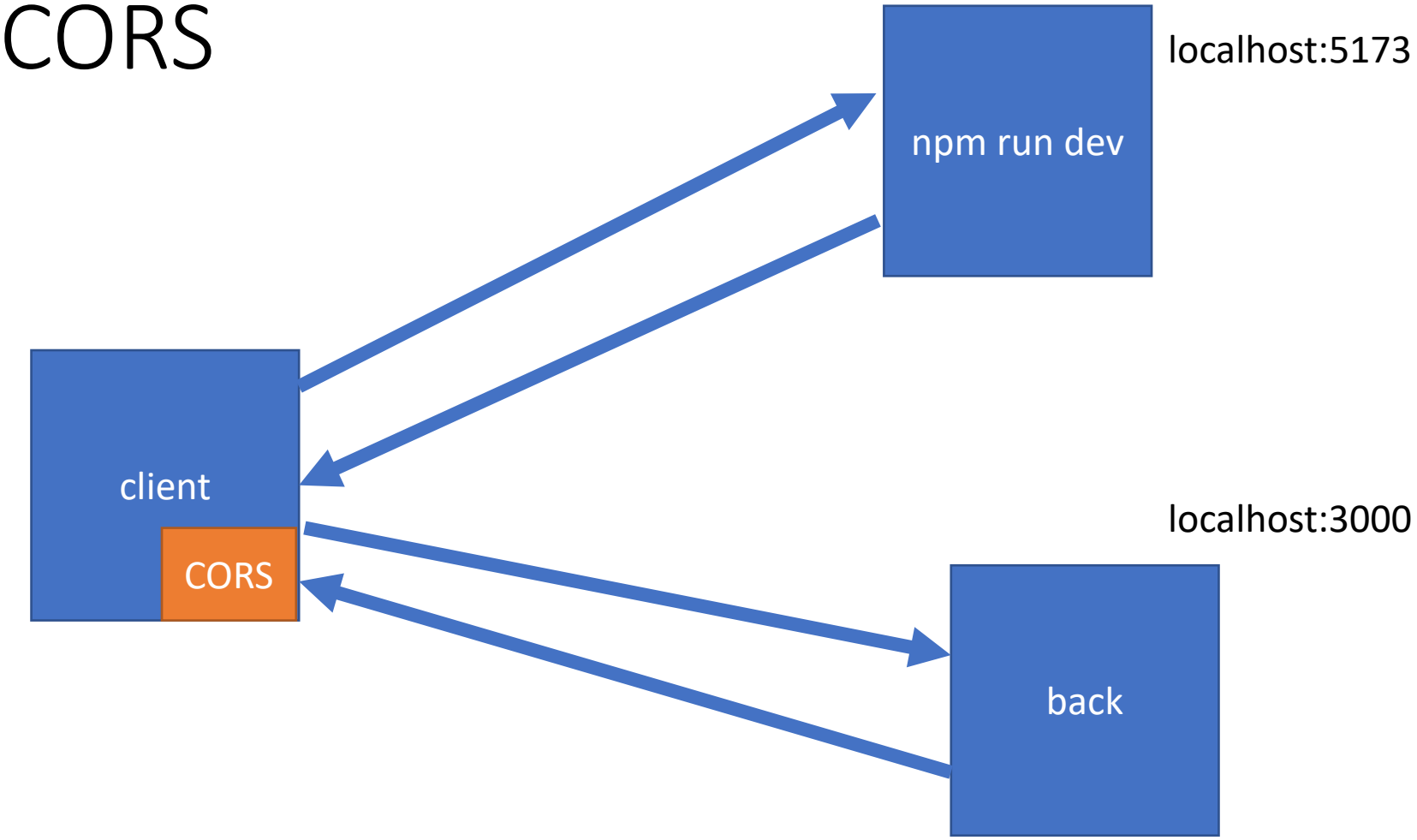
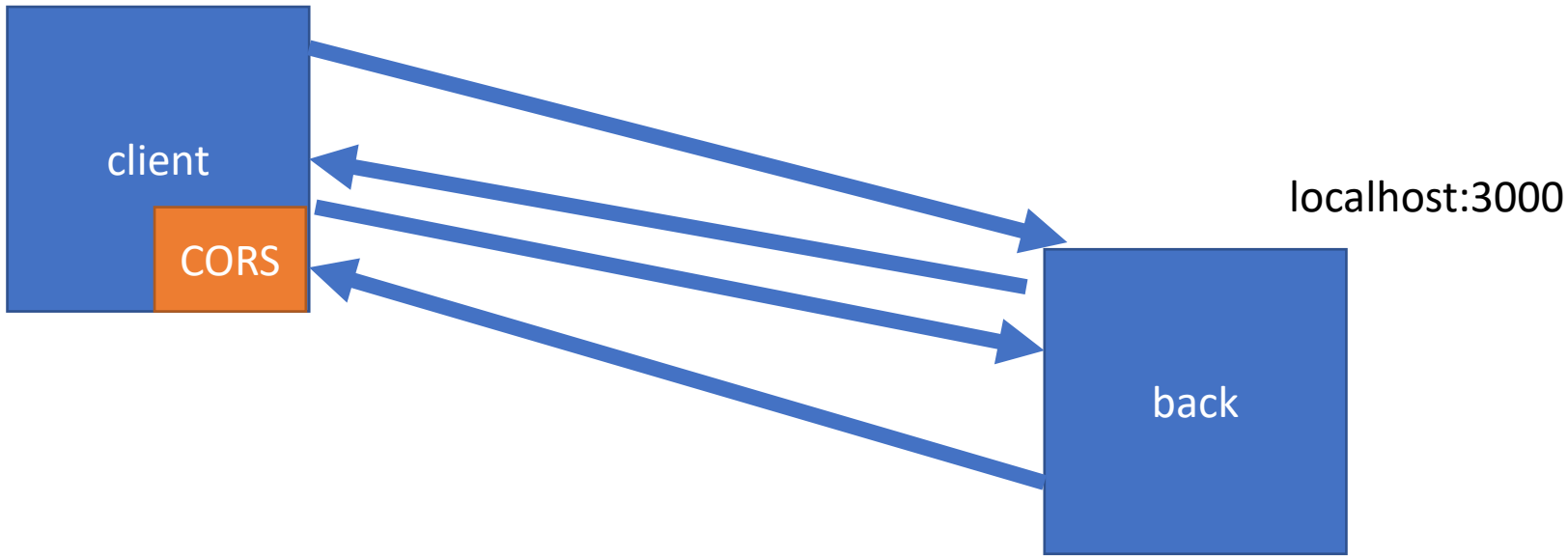

```
const articles = fs.readFileSync('articles.json')

fs.readFile('articles.json', (err, result) => {
  …
})
```



node 20 custom loader

- Voir le lien : https://github.com/barhun/extensionless

CORS



CORS