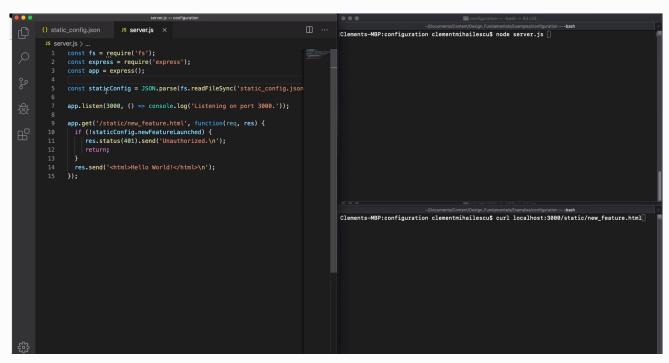
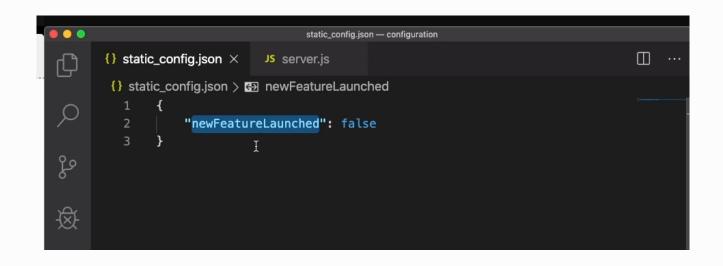
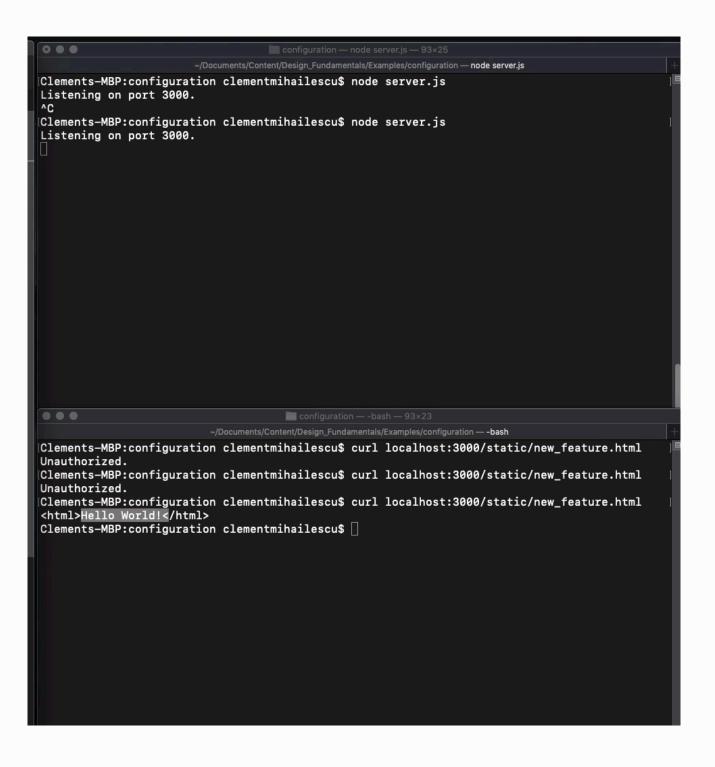
```
□ …
\{\} config.json 	imes
                                                               ! config.yaml ×
{} config.json > ...
                                                                 ! config.yaml
                                                                       apiKey: abcdef_123456
           "apiKey": "abcdef_123456",
           "showSystemsExpert": false,
                                                                       supportedLanguages:
           "supportedLanguages": [
               "cpp",
                                                                       - csharp
               "csharp",
                                                                      – go
               "go",
               "java",
               "python",
                                                                       - swift
                                                                        number: 0
                                                                         releaseDate: '2020-02-20'
           "version": {
               "number": 0,
               "releaseDate": "2020-02-20"
```







3 Prerequisites

JSON

A file format heavily used in APIs and configuration. Stands for JavaScript Object Notation. Example:

```
{
   "version": 1.0,
   "name": "AlgoExpert Configuration"
}
```

YAML

A file format mostly used in configuration. Example:

```
version: 1.0
name: AlgoExpert Configuration
```

Key-Value Store

A Key-Value Store is a flexible NoSQL database that's often used for caching and dynamic configuration. Popular options include DynamoDB, Etcd, Redis, and ZooKeeper.

1 Key Term

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Configuration

A set of parameters or constants that are critical to a system. Configuration is typically written in **JSON** or **YAML** and can be either **static**, meaning that it's hard-coded in and shipped with your system's application code (like frontend code, for instance), or **dynamic**, meaning that it lives outside of your system's application code.