

## Sujet technique

L'association "l'Amicale Nationale des Nations Amies" (l'ANNA) souhaite mettre en place une API afin de permettre l'accès à leurs données durement collectées et mises en forme.

Vous trouverez la source complète des données dans le fichier `countries.json` sur NetYParéo dans le document `Evaluation – spéc dev web – countries`.

chaque pays est composé comme suit :

```
"name": {
  "common": "France",
  "official": "French Republic",
  "nativeName": {
    "fra": {
      "official": "République française",
      "common": "France"
    }
  }
},
"tld": [
  ".fr"
],
"cca2": "FR",
"ccn3": "250",
"cca3": "FRA",
"cioc": "FRA",
"independent": true,
"status": "officially-assigned",
"unMember": true,
"currencies": {
  "EUR": {
    "name": "Euro",
    "symbol": "€"
  }
},
"idd": {
  "root": "+3",
  "suffixes": [
    "3"
  ]
},
"capital": [
  "Paris"
],
"altSpellings": [
  "FR",
  "French Republic",
  "République française"
],
"region": "Europe",
```

```

"subregion": "Western Europe",
"languages": {
  "fra": "French"
},
"translations": {
  "ara": {
    "official": "الجمهورية الفرنسية",
    "common": "فرنسا"
  },
  "spa": {
    "official": "República francés",
    "common": "Francia"
  } ...
},
"latlng": [
  46,
  2
],
"landlocked": false,
"borders": [
  "AND",
  "BEL",
  "DEU",
  "ITA",
  "LUX",
  "MCO",
  "ESP",
  "CHE"
],
"area": 551695,
"demonyms": {
  "eng": {
    "f": "French",
    "m": "French"
  },
  "fra": {
    "f": "Française",
    "m": "Français"
  }
},
"flag": "🇫🇷",
"maps": {
  "googleMaps": "https://goo.gl/maps/g7QxxSFsWyTPKuzd7",
  "openStreetMaps":
    "https://www.openstreetmap.org/relation/1403916"
},
"population": 67391582,
"gini": {
  "2018": 32.4
},
"fifa": "FRA",
"car": {
  "signs": [
    "F"

```

```

    ],
    "side": "right"
  },
  "timezones": [
    "UTC-10:00",
    "UTC-09:30",
    "UTC-09:00",
    "UTC-08:00",
    "UTC-04:00",
    "UTC-03:00",
    "UTC+01:00",
    "UTC+02:00",
    "UTC+03:00",
    "UTC+04:00",
    "UTC+05:00",
    "UTC+10:00",
    "UTC+11:00",
    "UTC+12:00"
  ],
  "continents": [
    "Europe"
  ],
  "flags": {
    "png": "https://flagcdn.com/w320/fr.png",
    "svg": "https://flagcdn.com/fr.svg",
    "alt": "The flag of France is composed of three equal vertical
bands of blue, white and red."
  },
  "coatOfArms": {
    "png":
"https://mainfacts.com/media/images/coats_of_arms/fr.png",
    "svg":
"https://mainfacts.com/media/images/coats_of_arms/fr.svg"
  },
  "startOfWeek": "monday",
  "capitalInfo": {
    "latlng": [
      48.87,
      2.33
    ]
  },
  "postalCode": {
    "format": "#####",
    "regex": "^(\\d{5})$"
  }
}

```

L'ANNA souhaiterait rendre disponible plusieurs "versions" des pays en fonction des usages :

- Une version **full** qui comporte toutes les informations.
- Une autre dite **normal** qui sera la plus courante qui contiendra les propriétés suivantes :
  - name

- cca2
- cca3
- currencies
- languages
- flag
- capital
- population
- continent
- Enfin un version **short** qui comprendra les propriétés suivantes :
  - name
  - cca2
  - cca3
  - flag