

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 – spé 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": "\ud83c\udc02",
    "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 une version **short** qui comprendra les propriétés suivantes :
 - name
 - cca2
 - cca3
 - flag