# Craft demo

The Accounting team would like to quickly look up country codes to speed up processing of expense reports, they currently have a website bookmarked and the process is manual and tedious. Help them speed things up by creating a simple cli.

- Write a country lookup service using your favorite programming language.
- Explore the following API https://www.travel-advisory.info/api
- Given country code -> return country name example:

```
lookup --countryCode=AU
Australia
```

- Save the data from https://www.travel-advisory.info/api to a file called `data.json` and add functionality to your program to work with a file instead of real api endpoint
- Make sure your program supports multiple country codes as input
- Be ready to demo execution of your program in the terminal

## Bonus

Demand for your tool is increasing and there is an ask from multiple teams to be able to use county code lookup automation.Decision has been made to extend your tool to expose its functionality via REST.

- Convert code written in Craft demo to a REST service with two routes
- /health returns health of your service
- /diag check returns status of the api https://www.travel-advisory.info/api return `{"api_status":{... "code":200,"status":"ok"}` that you obtained from hitting an API
- /convert – converts country name to country code
- Create local k8s cluster on your workstation
- Deploy your service to local k8s cluster

The Operations team likes your service, but to make their job easier and keep things operating at an optimal level

- Setup basic monitoring