

## 1) Compile & Configure

- a. First compile the and run the following files in UCalgary's CPSC server 136.159.5.25
  - i. translator.c
  - ii. currency\_converter.c
  - iii. voting.c
  - iv. indirect\_server.c
- b. Next compile and run the client.c file on cpsc server 136.159.5.27
  - i. UDP server runs on IP 136.159.5.25 and is on port number 10000
  - ii. When running make sure to use this format:

```
./client <udp_server_ip> <udp_server portnumber>
```

```
cc -o client client.c
./client 136.159.5.25 10000
```

*\*\*Note: main thing to make sure is that client is running on a different server than the microservices*

## 2) Use: first you will select a service (shown below)

```
Please select a service, options are:
1 - translator
2 - currency converter
3 - voting
0 - exit program
> Service Request:
```

- a. Translator
  - i. Supports 5 English words: hello, apple, computer, water, goodbye
  - ii. Make sure to type in all lowercase
- b. Currency Converter
  - i. Supports conversions from Canadian dollars (CAD) to US Dollar (USD), Euro (EUR), British Pound (GBP), and Bitcoin (BTC) currencies
  - ii. Use the format <SRC> <DST> <VALUE> for SRC and DST use the 3-letter convention in brackets above
- c. Voting

```
Select an option:
A - show candidates
B - secure vote
C - show results
> Task Request:
```

- i. Voting micro service can do 3 tasks (use A, B, C to select)
- ii. You cannot see results until you have voted at least once (you may vote multiple times)