# UM-D CIS-578 Challenge 2

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Overview

This challenge implements different services through Apache Thrift. The services are: order beverage, beverage preference, and weather. The client machine interfacing with the user/customer is a "vending machine" abstraction written in C++. An nginx reverse proxy handles communication between the vending machine and the order beverage service. From here, an RPC determines the weather type based on the unique city ID. The callee in this case is on the weather service server. Then, also in order beverage, another RPC is invoked to the beverage preference service. The weather type is used to randomly select a type of beverage, based on whether the weather is hot or cold.

This challenge required creating a brand new service (beverage preference service) following the model. Then, the getBeverage function was implemented, and the placeOrder function updated to make use of this new service and function.

The project was completed on a single node ubuntu instance hosted on cloudlabs.
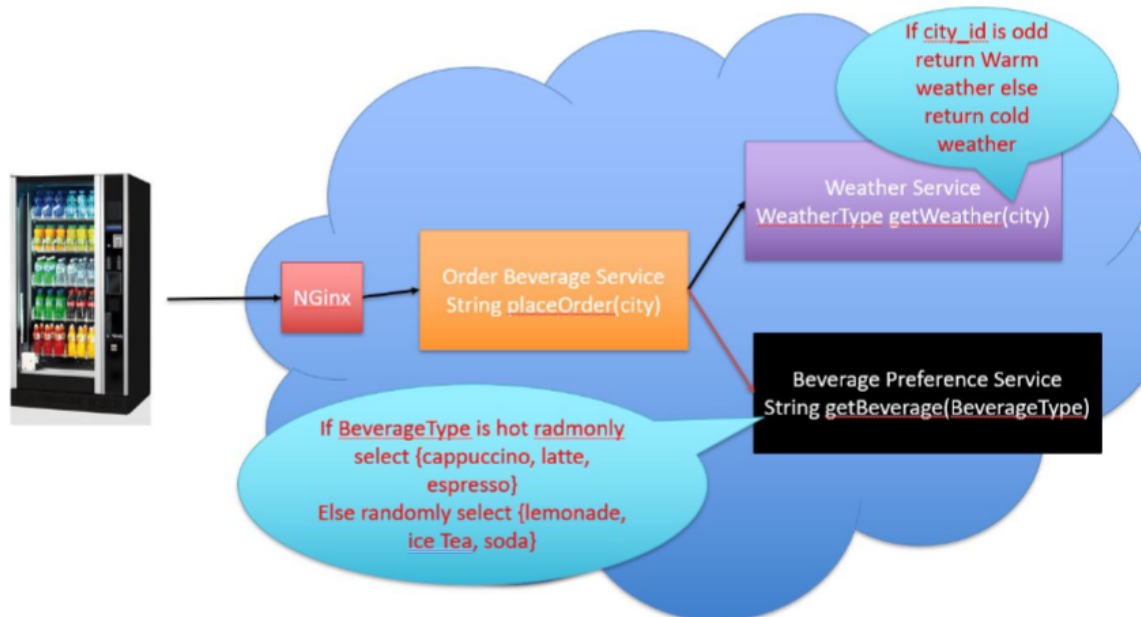
Github Repo

Jormogundr/vending-machine

Docker Image

nathancp93/vending-machine-microservices

Output

See the output.txt in either the github repo or the attached tar.gz

Screenshot