Reverse proxy

- Investigate about SSL
- Create 2 simple API services which return unique responses
- Use a reverse proxy (either Nginx or Traefik) to route traffic to these API services using path or host-based routing
- Please use docker-compose or docker-swarm for this setup

Install Nginx

On Ubuntu, install the latest version of Nginx. Perform the apt-get update and apt-get upgrade commands, followed by the apt-get install command.

sudo apt-get update -y

sudo apt-get upgrade -y

sudo apt-get install nginx -y

The following Nginx packages will be installed on Ubuntu 22:

libnginx-mod-http-geoip2 nginx-common nginx-core nginx-proxy

Set Nginx proxy

By default, Nginx relays its own IP address to reverse proxy targets.

This Nginx reverse proxy example turns off buffering while at the same time sets client headers for the backend servers that handle the proxied requests:

```
# example nginx reverse proxy config file
# /etc/nginx/sites-available/default
location /examples {
  proxy_pass http://localhost:8080/examples;
  proxy_buffering off;
  proxy_set_header X-Real-IP $remote_addr;
  proxy_set_header X-Forwarded-Host $host;
  proxy_set_header X-Forwarded-Port $server_port;
}
```