Kong Gateway

Kong Gateway is an open core project that offers many of the traditional API Management features.

Minimal Docker Compose for Kong

```
version: "3.0"

services:

  kong:
    env_file: .env
    image: kong/kong-gateway:3.0.1.0
    environment:
      - KONG_DATABASE=postgres
      - KONG_PG_HOST=db
      - KONG_PG_DATABASE=kong
      - KONG_PG_USER=postgres
      - KONG_PG_PASSWORD=${POSTGRES_PASSWORD}
      - KONG_ADMIN_LISTEN=0.0.0.0:8001
      - KONG_ADMIN_GUI_URL=http://localhost:8002
    ports:
      - 8000:8000
      - 8443:8443
      - 8001:8001
      - 8444:8444
      - 8002:8002
      - 8445:8445
      - 8003:8003
      - 8004:8004

  db:
    env_file: .env
    image: postgres
    restart: always
    volumes:
```

```
      - ./postgres:/var/lib/postgresql/data
    ports:
      - 5432:5432


  adminer:
    env_file: .env
    image: adminer
    restart: always
    ports:
      - 8080:8080
```

And accompanying `.env` file:

```
POSTGRES_PASSWORD=example
KONG_PASSWORD="supersecret123"
```

Docker Compose Installation

The official documentation for the project provides a walkthrough for docker installation here

Seed the Database

`docker-compose run kong kong migrations bootstrap`

Starting Kong

`docker-compose up -d kong`

Kong Config and Environment Variables

Kong normally reads a config file called `kong.conf` - an overview of valid configuration settings/directives can be found here

The docker image can read these variables from the environment. Simply copy the name of the thing, uppercase it and prefix with `KONG_` e.g. `prefix` becomes `KONG_PREFIX`.

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