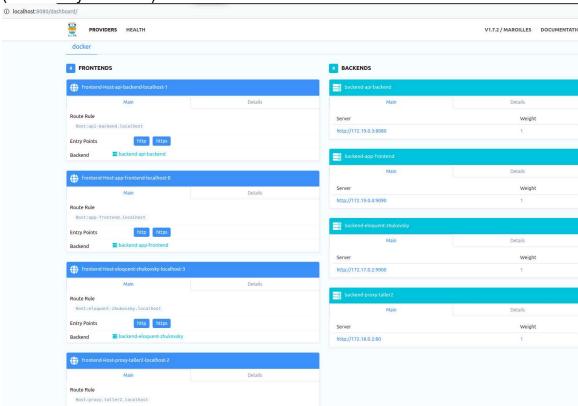
Solución Taller 2:

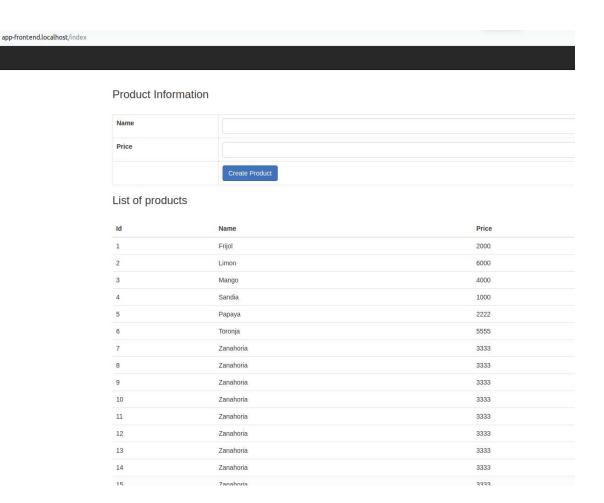
Se crea un docker compose con las redes, volumenes y ambientes de Frontend, Backend, Base de datos y un proxy reverso/balanceador usando traefik. El archivo se encuentra en taller2/docker-compose.yml

```
xander@pcxander:-/Documentos/microservicios/taller2$ docker-compose up -d
WARNING: Some services (backend) use the 'deploy' key, which will be ignored. Compose does not support 'deploy' configuration - use `docker stack
loy to a swarm.
Creating network "taller2_net_primary" with the default driver
Creating network "taller2_net_secondary" with the default driver
Creating taller2_proxy_1 ... done
Creating taller2_database 1 ... done
Creating taller2_database 1 ... done
Creating taller2_backend_1 ... done
Creating taller2_frontend_1 ... done
```

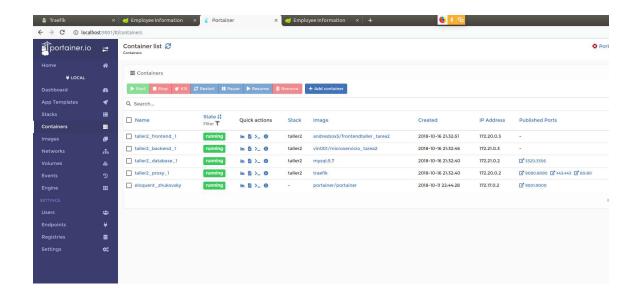
Se revisa la configuración de los servicios administrados por traefik. En este momento solo se cuenta con una instancia de cada ambiente expuesto (Frontend y Backend)



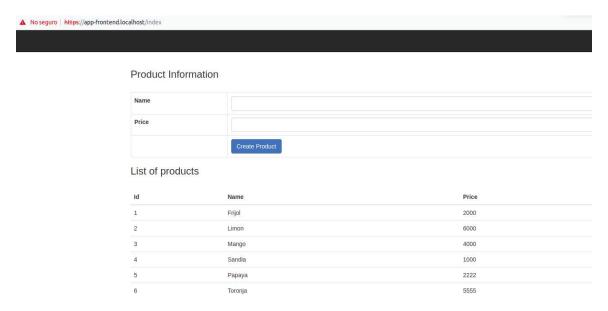
Se revisa que la aplicación front esté despleganda y se pueda ver usando la url balanceada.

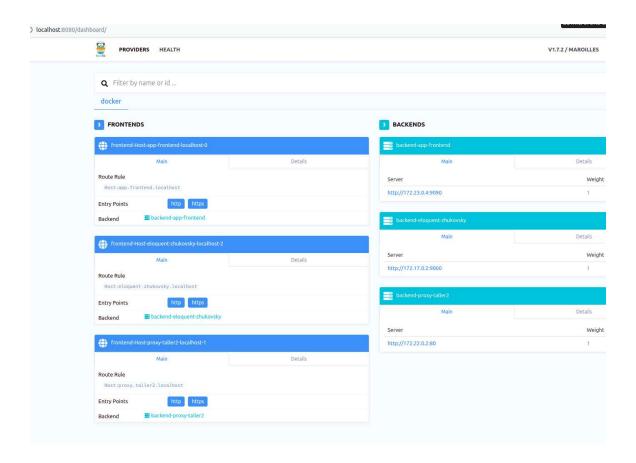


Usamos una aplicación que permite ver en UI lo que tiene Docker. En este caso estamos viendo la lista de los contenedores. Esta aplicación se consigue en el siguiente link: https://hub.docker.com/r/portainer/portainer/



Revisamos que se tenga acceso por el puerto seguro usando el protocolo HTTPS. Por ser un certificado autofirmado el navegador lo muestra como inseguro, pero esto solo aplica para la validación del certificado, la conexión usa exitosamente el protocolo seguro.





Escalamos los ambientes de frontend y backend aumentando sus servicios.

```
ESCAIAMOS IOS AMDIENTES DE TRONTEND Y DACKEND AUMENTANDO SUS SERVICIOS.

kander@pcxander:-/Documentos/microservicios/taller25 docker-compose scale backend=2
MARNING: Some services (backend) use the 'deploy' key, which will be ignored. Compose does not support 'deploy' configuration - use 'docker stack by to a swarm.

#ARNING: The scale command is deprecated. Use the up command with the --scale flag instead.

Starting taller2_backend_1 ... done

Creating taller2_backend_2 ... done

*ARNING: Some services (backend) use the 'deploy' key, which will be ignored. Compose does not support 'deploy' configuration - use 'docker stack by to a swarm.

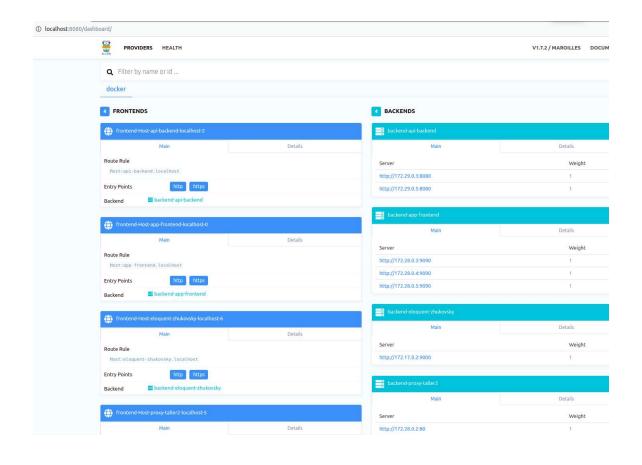
#ARNING: Some services (backend) use the 'deploy' key, which will be ignored. Compose does not support 'deploy' configuration - use 'docker stack by to a swarm.

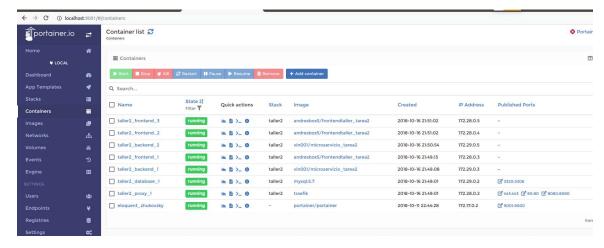
#ARNING: The scale command is deprecated. Use the up command with the --scale flag instead.

Starting taller2_frontend_1 ... done

Creating taller2_frontend_3 ... done

Creating taller2_frontend_3 ... done
```





Agregamos al docker compose los servicios de ELK.

```
xander@pcxander: ~/Documentos/micros

Archivo Editar Ver Buscar Terminal Ayuda

kander@pcxander: ~/Documentos/microservicios/taller2/docker-elk$ docker-compose up -d

ERROR: In file './docker-compose.yml', network 'net_ter_elk' must be a mapping not an array.

kander@pcxander: ~/Documentos/microservicios/taller2/docker-elk$ docker-compose up -d

Creating network "docker-elk net_primary" with the default driver

Creating network "docker-elk_net_secondary" with the default driver

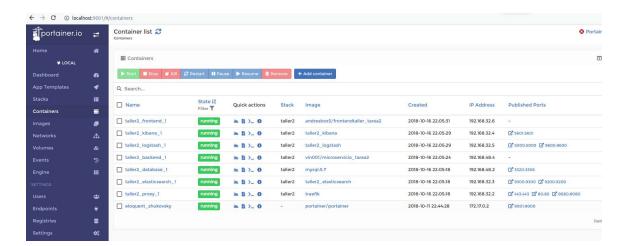
Creating docker-elk_elasticsearch_1 ... done

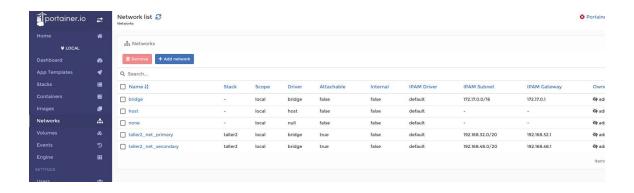
Creating docker-elk_logstash_1 ... done

Creating docker-elk_kibana_1 ... done

Creating docker-elk_kibana_1 ... done

Creating docker-elk_kibana_1 ... done
```





Usando la consola del aplicativo container, lanzamos una prueba de log.

**Aún no logramos configurar correctamente el tema de ELK pero ya podemos ver los servicios atentos.

