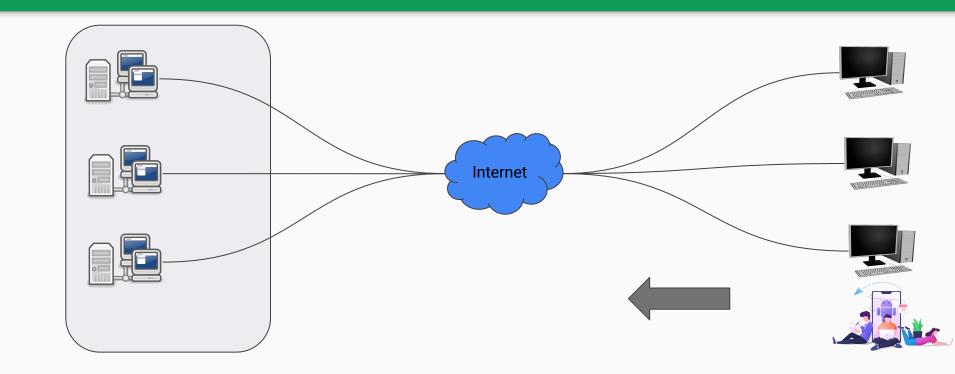
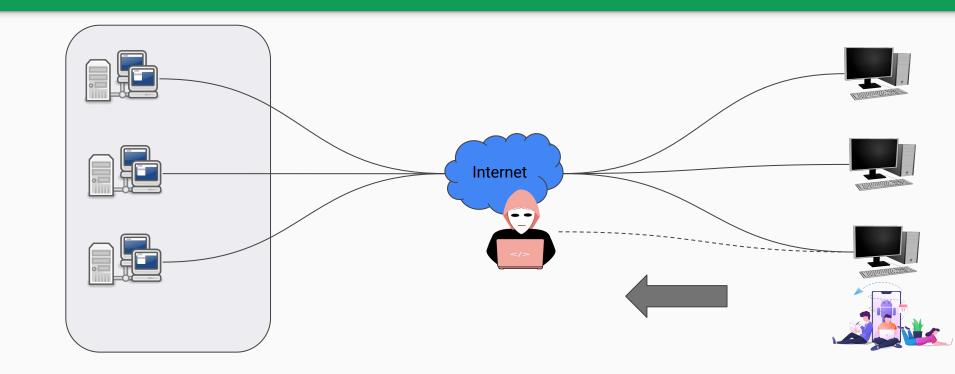
Proxy Reverso: Usando NGINX e Docker

Acesso direto à internet:

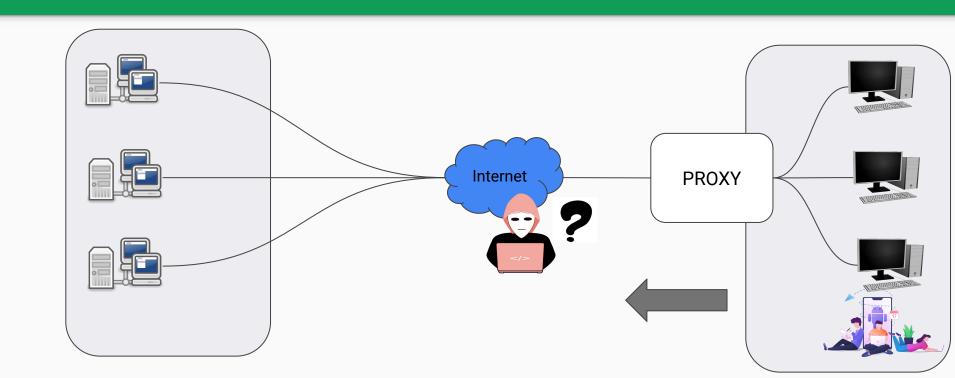


Acesso direto à internet:

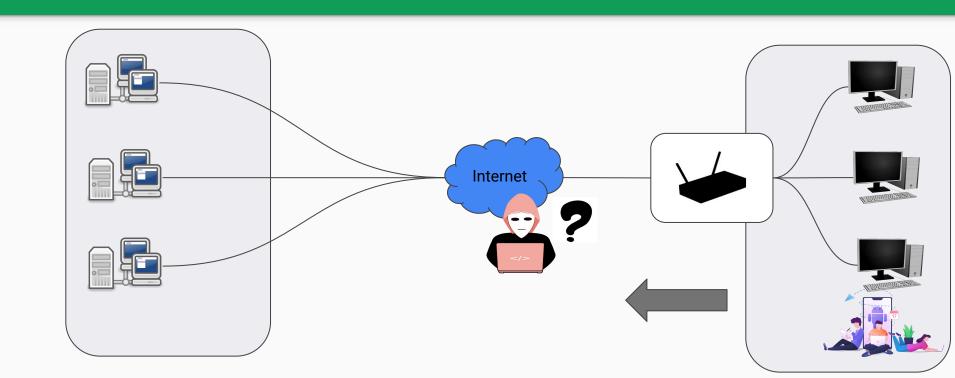
Vulnerabilidades



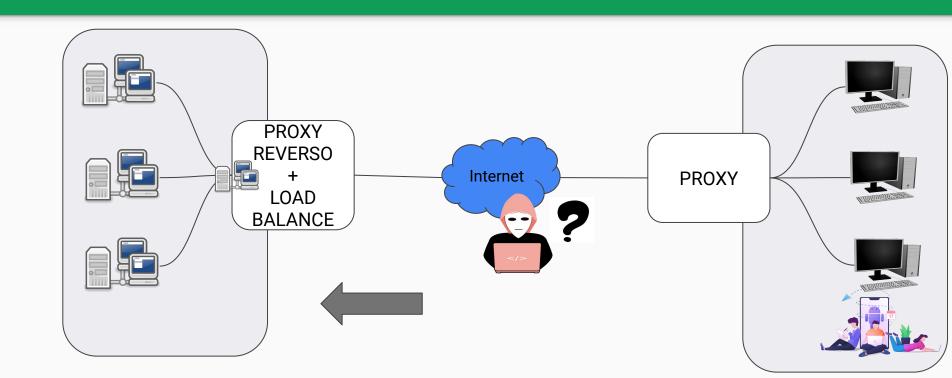
Proxy



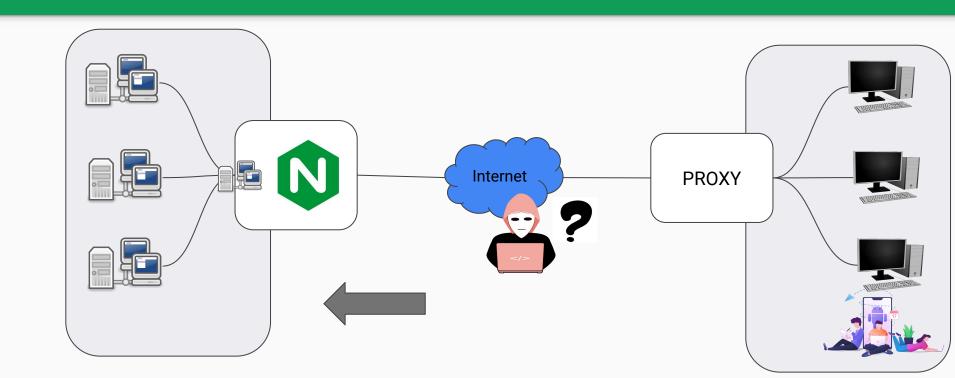
Proxy



Proxy Reverso



Proxy Reverso





Servidor web escrito em C de código aberto.

Usos:

Servidor web

Load balancer

Proxy reverso

Cache de conteúdo

Manipulação de SSL/TLS

NGINX principais recursos

Eficiência em manipular várias conexões simultâneas (Escrito em C).

Modelo de processos assíncronos e não bloqueantes.

Balanceamento de carga para distribuir tráfego.

Configuração flexível e escalabilidade horizontal.

Threads para manipular conexões.

NGINX

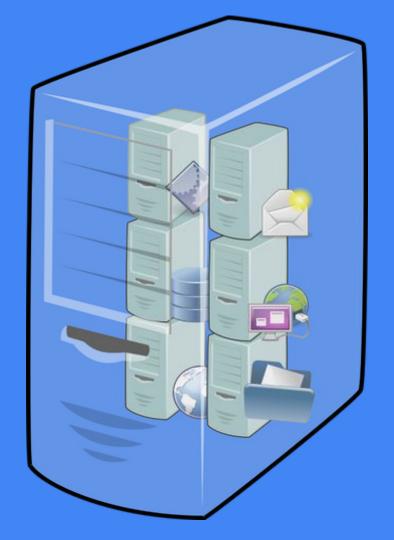
Estrutura básica de arquivos

Full Example Configuration | NGINX



Projetado para facilitar a criação, implantação e execução de aplicativos em contêineres.

Contêineres são unidades que incluem tudo o que é necessário para executar um software, incluindo o código, bibliotecas, dependências e configurações.

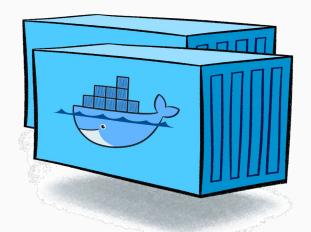


Vantagens:

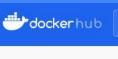
- Portabilidade
- Isolamento
- Eficiência
- Escalabilidade

Docker Hub

O Docker Hub é um serviço em nuvem fornecido pela Docker, Inc. Permite que desenvolvedores compartilhem, distribuam e gerenciem contêineres.



https://hub.docker.com/



Learn more [2]

Learn more [2]

Learn more [2]

Suggested

Pulls: 9,581,058 Last week

Pulls: 8,306,867

Last week

Filters

Products

Images

Extensions

Plugins

Trusted Content

O Docker Official Image

Verified Publisher

Sponsored OSS

Operating Systems

Linux

Windows

Architectures

ARM

ARM 64

IBM POWER

1 - 25 of 10.000 available results.

ctrl+K

alpine

Docker Official Image

1B+

10K+

Updated 2 months ago

A minimal Docker image based on Alpine Linux with a complete package index and only 5 ...

Linux ARM 64 386 PowerPC 64 LE IBM 7 riscv64 x86-64 ARM

Pulls: 14,523,246 NGINX Last week Updated 19 days ago

Official build of Nginx.

Linux ARM ARM 64 386 mips64le PowerPC 64 LE IBM Z x86-64

busybox ② Docker Official Image · ₹ 1B+ · ☆ 3.1K

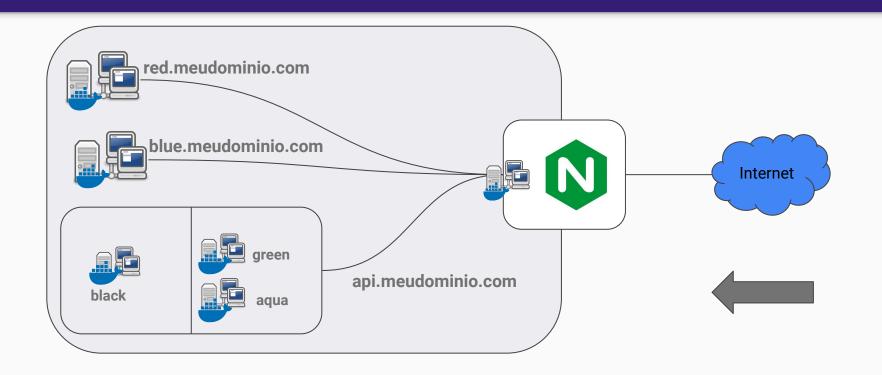
Busybox base image.

Updated 4 months ago

Linux riscv64 IBM Z x86-64 ARM ARM 64 386 mips64le PowerPC 64 LE



Proxy reverso e balanceamento de carga





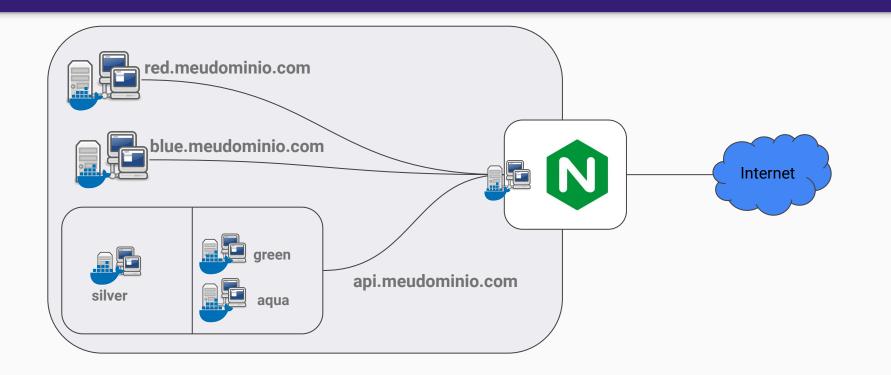
Stop editing your etc/hosts file with custom hostname and IP address mappings.

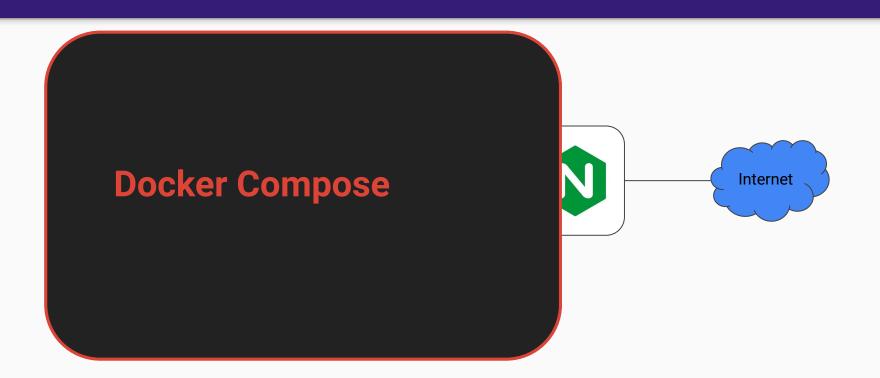
nip.io allows you to do that by mapping any IP Address to a hostname

examples:

10.0.0.1.nip.io maps to 10.0.0.1 192-168-1-250.nip.io maps to 192.168.1.250 app.10.8.0.1.nip.io maps to 10.8.0.1 customer2-app-127-0-0-1.nip.io maps to 127.0.0.1 customer2-app-127-0-0-1.nip.io maps to 127.0.0.1

Gerenciar tudo?



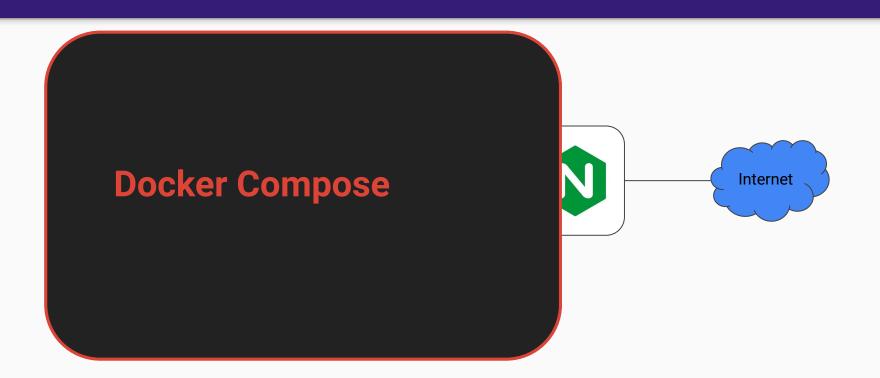


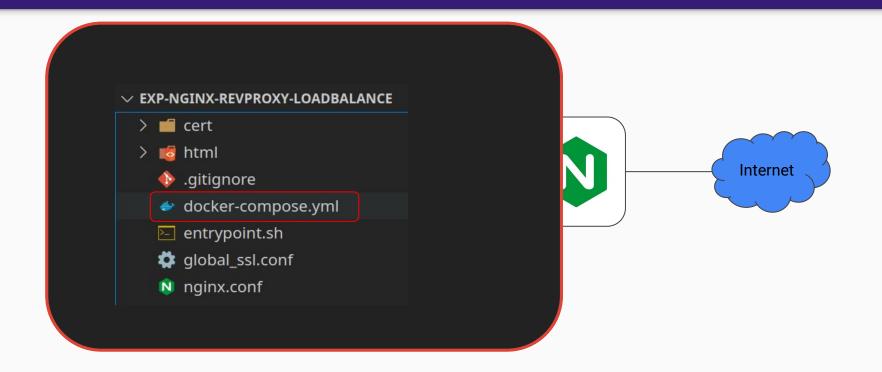
Docker Compose

Ferramenta que permite definir e gerenciar aplicativos Docker.

Definir muitos containers em um único arquivo chamado: docker-compose.yml

Iniciar todos os contêineres necessários com apenas um comando.

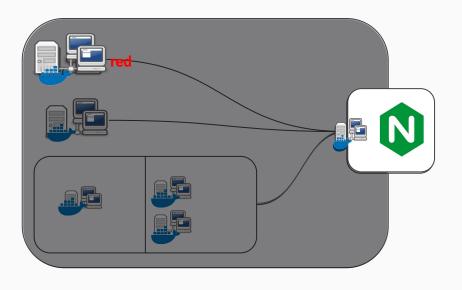




```
✓ EXP-NGINX-REVPROXY-LOADBALANCE

  > ii cert
  🗦 尵 html
       .gitignore
    docker-compose.yml
       entrypoint.sh
    global_ssl.conf
    N nginx.conf
```

```
services:
      nginx:
        container_name: nginx
        hostname: nginx
        restart: unless-stopped
        image: nginx:latest
        ports:
          - "80:80"
          - "443:443"
        networks:
11
12
          - nginxnet
13
          - ./html:/usr/share/nginx/html:ro
14
          - ./nginx.conf:/etc/nginx/nginx.conf
      red:
17
        container_name: red
18
        image: nicolas0liveira/pingcolorapp:latest
19
        command: "--color=red"
20
21
        networks:
          - nginxnet
23
```



```
services:
      nginx:
        container_name: nginx
        hostname: nginx
        restart: unless-stopped
        image: nginx:latest
        ports:
          - "80:80"
          - "443:443"
11
        networks:
12
          - nginxnet
13
14
          - ./html:/usr/share/nginx/html:ro
           - ./nginx.conf:/etc/nginx/nginx.conf
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        image: nicolas0liveira/pingcolorapp:latest
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        command: "--color=red"
20
21
        networks:
          - nginxnet
22
23
```



Links úteis

https://hub.docker.com/repository/docker/nicolas0liveira/pingcolorapp