

```
events {}
```

```
http {
    upstream backend {
        server app1:80;
        server app2:80;
    }

    server {
        listen 80;

        location / {
            proxy_pass http://backend;
        }
    }
}
```



```
#####
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
# completely the user's responsibilites.
#
# The PWD team.
#####
[node1] (local) root@192.168.0.34 ~
$ nano nginx.conf
bash: nano: command not found
[node1] (local) root@192.168.0.34 ~
$ sudo su
~ # nano nginx.conf
sh: nano: not found
~ # vi nginx.conf
~ # vi nginx.conf
~ # █
```

WARNING!!!!

This is a sandbox environment. Using personal credentials is HIGHLY! discouraged. Any consequences of doing so are completely the user's responsibilites.

The PWD team.

[node1] (local) root@192.168.0.34 ~

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~ # nano nginx.conf

sh: nano: not found

~ # vi nginx.conf

~ # vi nginx.conf

~ # docker-compose up -d

no configuration file provided: not found

~ # pwd

/root

~ # ls

nginx.conf

~ # vi docker-compose.yml

~ # mkdir app1 app2

~ # echo "<h1>Servidor APP 1</h1>" > app1/index.html

~ # echo "<h1>Servidor APP 2</h1>" > app2/index.html

~ # vi nginx.conf

~ # ls

app1

app2

docker-compose.yml nginx.conf

~ #

```
nginx.conf
~ # vi docker-compose.yml
~ # mkdir app1 app2
~ # echo "<h1>Servidor APP 1</h1>" > app1/index.html
~ # echo "<h1>Servidor APP 2</h1>" > app2/index.html
~ # vi nginx.conf
~ # ls
app1              app2              docker-compose.yml  nginx.conf
~ # docker-compose up -d
WARN[0000] /root/docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 5/18
[+] Running 18/18] Pulling
✓ nginx Pulled
✓ 1733a4cd5954 Pull complete
✓ 5b219a92f92a Pull complete
✓ ee3a09d2248a Pull complete
✓ 7382b41547b8 Pull complete
✓ 9ee60c6c0558 Pull complete
✓ 114e699da838 Pull complete
✓ 5b5fa0b64d74 Pull complete
✓ app1 Pulled
✓ app2 Pulled
✓ 014e56e61396 Pull complete
✓ dfad290a5c25 Pull complete
✓ 5d2cc344426d Pull complete
✓ abdece946203 Pull complete
✓ 51c30493937c Pull complete
✓ ad5b65da02cf Pull complete
✓ fc13532503d7 Pull complete
✓ 136bc6976c20 Pull complete
[+] Running 4/4
✓ Network root_default    Created
✓ Container app1          Started
✓ Container app2          Started
✓ Container proxy_nginx   Started
~ #
```

```
✓ 5d2cc344426d Pull complete
✓ abdece946203 Pull complete
✓ 51c30493937c Pull complete
✓ ad5b65da02cf Pull complete
✓ fc13532503d7 Pull complete
✓ 136bc6976c20 Pull complete
[+] Running 4/4
✓ Network root_default      Created
✓ Container app1            Started
✓ Container app2            Started
✓ Container proxy_nginx     Started
~ #
~ # docker exec -it app1 cat /usr/share/nginx/html/index.html
<h1>Servidor APP 1</h1>
~ # docker exec -it app2 cat /usr/share/nginx/html/index.html
<h1>Servidor APP 2</h1>
~ # █
```



POSIT

```
~ $ docker exec -it proxy_nginx nginx -t
Error response from daemon: container 8196449bb3032312b82cbf5f76e06ecf143c1b94677ed0a8ec2e5fd541fee3cc is not running
~ $ ^C
```

```
~ $ docker logs proxy_nginx
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/12/16 23:39:39 [emerg] 1#1: unknown directive "httptream" in /etc/nginx/nginx.conf:3
nginx: [emerg] unknown directive "httptream" in /etc/nginx/nginx.conf:3
~ $ docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8196449bb303	nginx:latest	"/docker-entrypoint..."	8 minutes ago	Exited (1) 8 minutes ago		proxy_nginx
b97e36bala27	nginx:alpine	"/docker-entrypoint..."	8 minutes ago	Up 8 minutes	80/tcp	app1
65a06be29a2f	nginx:alpine	"/docker-entrypoint..."	8 minutes ago	Up 8 minutes	80/tcp	app2

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
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~ # docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS               NAMES
8196449bb303        nginx:latest        "/docker-entrypoint..."   8 minutes ago      Exited (1) 8 minutes ago           proxy_nginx
b97e36bala27        nginx:alpine       "/docker-entrypoint..."   8 minutes ago      Up 8 minutes          80/tcp              app1
65a06be29a2f        nginx:alpine       "/docker-entrypoint..."   8 minutes ago      Up 8 minutes          80/tcp              app2
~ # command: ["nginx", "-g", "daemon off;"]
sh: command:: not found
~ # docker exec -it proxy_nginx /bin/sh
Error response from daemon: container 8196449bb3032312b82cbf5f76e06ecf143c1b94677ed0a8ec2e5fd541fee3cc is not running
~ # docker ps -a
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS               NAMES
8196449bb303        nginx:latest        "/docker-entrypoint..."   12 minutes ago     Exited (1) 12 minutes ago           proxy_nginx
b97e36bala27        nginx:alpine       "/docker-entrypoint..."   12 minutes ago     Up 12 minutes         80/tcp              app1
65a06be29a2f        nginx:alpine       "/docker-entrypoint..."   12 minutes ago     Up 12 minutes         80/tcp              app2
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~ # 2
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8196449bb303	nginx:latest	"/docker-entrypoint..."	12 minutes ago	Exited (1) 12 minutes ago		proxy_nginx
b97e36bala27	nginx:alpine	"/docker-entrypoint..."	12 minutes ago	Up 12 minutes	80/tcp	app1
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/docker-entrypoint.sh: Configuration complete; ready for start up
2025/12/16 23:39:39 [emerg] 1#1: unknown directive "httptream" in /etc/nginx/nginx.conf:3
nginx: [emerg] unknown directive "httptream" in /etc/nginx/nginx.conf:3
~ # 2 docker exec -it proxy_nginx /bin/sh
sh: 2: not found
~ # docker exec -it proxy_nginx /bin/sh
Error response from daemon: container 8196449bb3032312b82cbf5f76e06ecf143c1b94677ed0a8ec2e5fd541fee3cc is not running
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
8196449bb303	nginx:latest	"/docker-entrypoint..."	15 minutes ago	Exited (1) 15 minutes ago		proxy_nginx
b97e36bala27	nginx:alpine	"/docker-entrypoint..."	15 minutes ago	Up 15 minutes	80/tcp	app1
65a06be29a2f	nginx:alpine	"/docker-entrypoint..."	15 minutes ago	Up 15 minutes	80/tcp	app2

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/docker-entrypoint.sh: Configuration complete; ready for start up
```



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What port would you like to open?

80

OK

Cancelar