

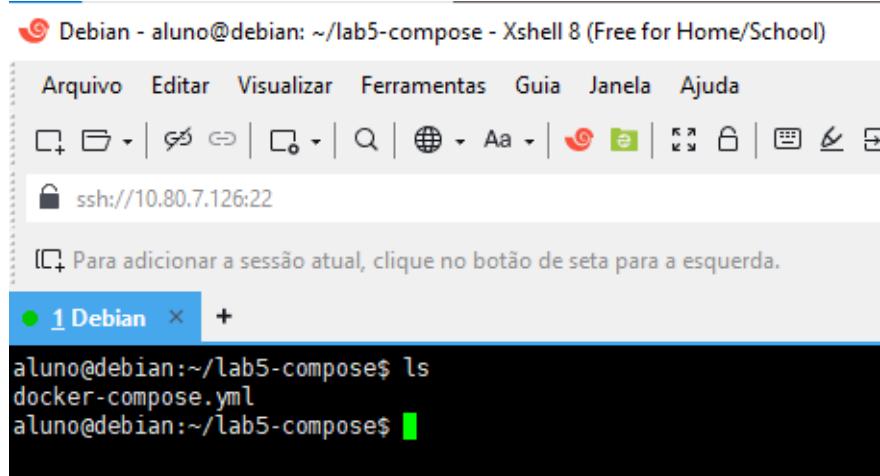
**Pós-graduação CDL**

**Disciplina: Arquitetura de Microserviços e Microcontainer**

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## **LAB 5 — Docker Compose (multi-container + env + logs + healthcheck introdutório)**

### **Checkpoint A — Criar docker-compose.yml**



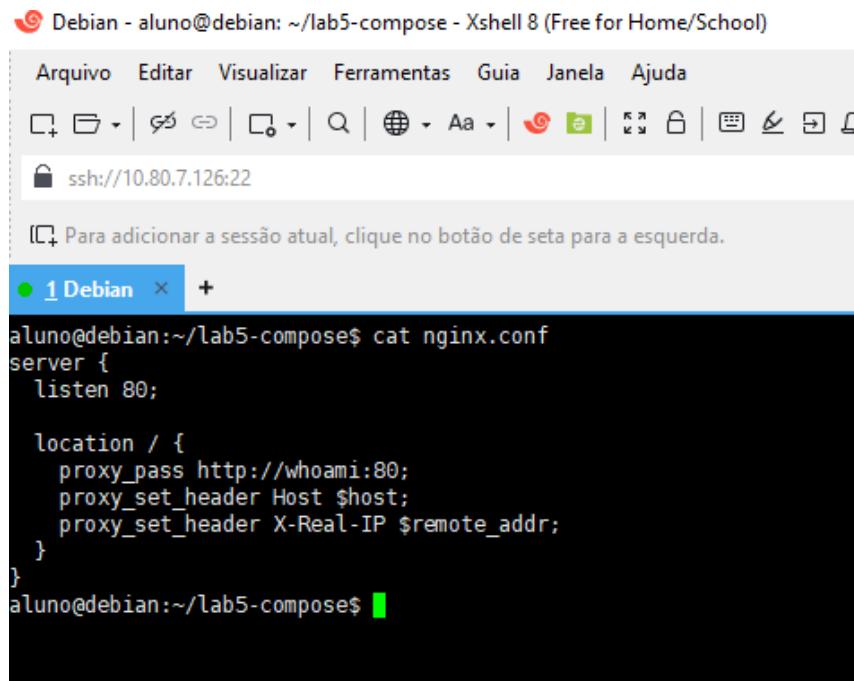
```
Debian - aluno@debian: ~/lab5-compose - Xshell 8 (Free for Home/School)

Arquivo Editar Visualizar Ferramentas Guia Janela Ajuda
SSH Sessões | Busca | Ajuda | Ferramentas | Janelas | Ajuda
SSH: ssh://10.80.7.126:22
Para adicionar a sessão atual, clique no botão de seta para a esquerda.

1 Debian + 

aluno@debian:~/lab5-compose$ ls
docker-compose.yml
aluno@debian:~/lab5-compose$
```

### **Checkpoint B — Criar nginx.conf (reverse proxy)**



```
Debian - aluno@debian: ~/lab5-compose - Xshell 8 (Free for Home/School)

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SSH: ssh://10.80.7.126:22
Para adicionar a sessão atual, clique no botão de seta para a esquerda.

1 Debian + 

aluno@debian:~/lab5-compose$ cat nginx.conf
server {
    listen 80;

    location / {
        proxy_pass http://whoami:80;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
    }
}
aluno@debian:~/lab5-compose$
```

## Checkpoint C — Subir o ambiente

```
aluno@debian:~/lab5-compose$ docker compose up -d
[+] up 7/7
  ✓ Image traefik/whoami:v1.10   Pulled          3.4s
  ✓ Network lab5-compose_default Created        0.1s
  ✓ Container lab5-whoami       Created        0.3s
  ✓ Container lab5-nginx        Created        0.3s
Error response from daemon: failed to set up container networking: driver failed programming external connectivity on endpoint
lab5-nginx (34f6b393e47f424b1f9becb00cd489873f711edddaa39ef284a218267e62139e9): Bind for ::1:8080 failed: port is already allo-
cated
aluno@debian:~/lab5-compose$ docker compose ps
NAME           IMAGE            COMMAND       SERVICE      CREATED     STATUS          PORTS
lab5-whoami    traefik/whoami:v1.10 "/whoami"    whoami      About a minute ago  Up About a minute (unhealthy)  80/tcp
aluno@debian:~/lab5-compose$ curl -s http://localhost:8080 | head -n 20
<h1>Recuperado no LAB 2</h1>
<p>Corrigi sem rebuild: usei docker exec.</p>
aluno@debian:~/lab5-compose$
```