

Summary

This book details how to create a cheap and secure utility server including

- ☐ Cheapest OVH VPS Server in country of your choice
- ☐ OVH Domain Name for your services
- ☐ Squid Proxy Server
- ☐ PiHole AdBlocking DNS
- ☐ Homer Homepage



sdfsd

docker-compose.yml

```
services:
  tailscale_full:
    image: tailscale/tailscale:latest
    env_file: .env
    privileged: true
    environment:
      - TS_AUTHKEY=${TS_AUTHKEY}
      - TS_STATE_DIR=/var/lib/tailscale
      - TS_USERSPACE=false
      - TS_DEST_IP=${DMZ_NETWORK_ROUTE}
    volumes:
      - ./config/tailscale/state:/var/lib/tailscale
      - /dev/net/tun:/dev/net/tun
    cap_add:
      - net_admin
      - sys_module
    networks:
      - ${DMZ_NETWORK}
```

restart: unless-stopped

nginx_proxy_manager:

image: 'docker.io/jc21/nginx-proxy-manager:latest'

restart: unless-stopped

env_file: .env

ports:

- \${HOST_IP}:80:80
- \${HOST_IP}:443:443
- \${DMZ_NETWORK_ROUTE}:81:81
- \${DMZ_NETWORK_ROUTE}:80:80
- \${DMZ_NETWORK_ROUTE}:443:443

privileged: true

volumes:

- ./config/nginx_proxy_manager/data:/data
- ./config/nginx_proxy_manager/letsencrypt:/etc/letsencrypt

networks:

- \${DMZ_NETWORK}

environment:

- VIRTUAL_HOST=proxymanager.admin.\${TLD}
- VIRTUAL_PORT=81

healthcheck:

test: ["CMD", "/usr/bin/check-health"]
interval: 60s
timeout: 30s

internal_proxy:

image: nginxproxy/nginx-proxy:latest

container_name: internal_proxy

volumes:

- /var/run/docker.sock:/tmp/docker.sock
- /var/run/fcgiwrap.socket:/var/run/fcgiwrap.socket
- /var/run/php-fpm.sock:/var/run/php-fpm.sock

networks:

dmz:

public:

secure:

admin:

```
environment:
  - TRUST_DOWNSTREAM_PROXY=true
```

sso:

```
env_file: .env
image: drkno/plexsso:latest
networks:
  public:
volumes:
  - /etc/docker/config/sso:/config
```

```
environment:
  - VIRTUAL_HOST=sso.${TLD}
  - VIRTUAL_PORT=4200
```

deploy:

```
resources:
  limits:
    cpus: "1"
    memory: 200M
```

portainer:

```
env_file: .env
image: portainer/portainer-ce:latest
privileged: true
networks:
  - admin
volumes:
  - ./config/portainer:/data
  - /var/run/docker.sock:/var/run/docker.sock
environment:
  - VIRTUAL_HOST=portainer.admin.${TLD}
  - VIRTUAL_PORT=9000
```

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