

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

drawing-3-1734746671-png.png

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
```

Revision #1

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