

NAS

- [Windows 文件同步 Syncthing 搭建](#)
- [Windows 文件同步 Syncthing 搭建](#)
- [iStoreOS 安装 tailscale 搭建内网穿透](#)
- [搭建 WireGuard\(服务端 Client\)搭建](#)
- [搭建 docker-compose 搭建 paperless 搭建](#)
- [docker 搭建 calibre](#)
- [python 搭建 pip 搭建](#)
- [nginx 搭建 emqx](#)
- [搭建 VSCode Remote 搭建](#)
- [搭建 mail server 搭建](#)
- [openwrt 搭建 ksmbd](#)

Windows ?? Syncthing ??????

[syncthing](#)

- 如何 syncthing.bat 运行

```
# 如何 “运行” 运行 syncthing.bat  
start "Syncthing" syncthing.exe -no-console -no-browser
```

- 如何 syncthing.exe 运行

如何 syncthing.exe 运行 syncthing.bat 运行

- 如何 “运行”
 - 如何 syncthing.bat 运行
 - 如何 win + R “shell:startup” 如何 “运行” 运行
 - 如何 “运行” 运行

iStoreOS??tailscale—— ??????????

Linux Tailscale

1.?iStoreOS ??????? tailscale???

???????

- [Linux](#) [Tailscale](#)

```
wget https://github.com/adyanth/openwrt-tailscale-enabler/releases/download/v1.60.0-e428948-autoupdate/openwrt-tailscale-enabler-v1.60.0-e428948-autoupdate.tgz
```

openwrt-tailscale-enabler-v1.60.0-e428948-autoupdate.tgz#

- [Linux](#)

```
tar x -zvc / -f openwrt-tailscale-enabler-v1.60.0-e428948-autoupdate.tgz
```

openwrt-tailscale-enabler-v1.60.0-e428948-autoupdate.tgz #

- [Linux](#)

```
opkg update  
opkg install libustream-openssl ca-bundle kmod-tun
```

- [Linux](#)

```
/etc/init.d/tailscale enable  
ls /etc/rc.d/S*tailscale*
```

- [Tailscale](#)

kill -TERM pid

```
kill -TERM pid
```

dpkg-query -f='\${Package} \${Architecture} \${Version} \${Origin}\n'

```
sudo apt-get remove tailscale
```

dpkg-query -f='\${Package} \${Architecture} \${Version} \${Origin}\n'

```
sudo apt-get install tailscale
```

dpkg-query -f='\${Package} \${Architecture} \${Version} \${Origin}\n'

```
sudo tailscale up --accept-routes --advertise-routes=10.9.0.0/24 --accept-dns=false --  
advertise-exit-node --reset  
sudo tailscale up --accept-routes --advertise-routes=10.9.0.0/24 --advertise-exit-node --reset  
sudo tailscale up --accept-routes --advertise-exit-node --reset  
sudo tailscale up --accept-routes --reset  
sudo tailscale up --accept-routes --advertise-routes=10.8.0.0/24 --accept-dns=false --  
advertise-exit-node --netfilter-mode=off
```



```

“wg genkey > server\_privateKey” #XXXXXXXXXX
“wg pubkey < server\_privateKey > server\_publicKey”#XXXXXXXXXXXXXXXXXX
“wg genkey | tee client\_privateKey | wg pubkey > client\_publicKey” #XXXXXXXXXXXXXXXXXX
“cat server\_privateKey”#XXXXXXXXXX
“cat server\_publicKey”#XXXXXXXXXX
“cat client\_privateKey”#XXXXXXXXXX
“cat client\_publicKey”#XXXXXXXXXX

```

```
XXXXXXXXXXXXXXXXXXXXXXXXXX
```

. ??????????????????

```
“ifconfig”# “eth0”&“eth1” NAS 1 2XXXXXXXXXXXX
```

. ??Client?Wireguard????

```

vi client.conf  vi wg0.confXXXXXXXXXX      "client.conf"  "i "
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  "Esc "  ":wq"XXXXXXXXXX  #XXXX "
XXXX "

```

```

[Interface]
PrivateKey =                #XXXXXX
Address = 10.8.0.3/24        #XXXXXXXXXX
PostUp = ping -c 1 10.8.0.1; sleep 3  #IPping,pingXXXXXXXXXX

[Peer]
PublicKey =                  #XXXXXX
AllowedIPs = 10.8.0.0/24, 192.68.2.1/32  #XXXXXX(XXXXXX"10.8.0.3"IP)
PersistentKeepalive = 25     #XXXX25
Endpoint = IP:51821           #IP:XXXXXXXXXX"

```

. ??“wg0.conf”??

```

sudo wg-quick up wg0  #XXXXXXXXXXXX
sudo wg-quick down wg0 #XXXXXXXXXXXXXXXXXX

```

. ???????

“sudo wg show wg0”# [redacted] “wg” [redacted]

```
interface: wg0
public key: # [redacted]
private key: (hidden) # [redacted]
peer: # [redacted]
endpoint: # [redacted]IP [redacted]
allowed ips: 10.8.0.0/24, 192.68.2.1/32 # [redacted]NAS [redacted]IP [redacted]
```

. ????????

```
sudo wg-autoload enable wg0 # [redacted]
sudo wg-autoload disable wg0 # [redacted]
```

[redacted] , [redacted] ping [redacted] Transfer [redacted] , [redacted] .

???????

[redacted] [WireGuard](#)

[redacted] /etc/wireguard/

```
[Interface]
PrivateKey = qHONQCLb6bcnrPG1d6tGCTrdoXZuAsAqPKYWMV5DNXU=
Address = 10.8.0.9/24
DNS = 1.1.1.1

[Peer]
PublicKey = buRZW8bjRTzxT4FDWd5PIs4qTgbnYqnpPbyM/ZlcaA4=
PresharedKey = Gfn0ox1CuaCBD9EIQkfzJyIa+djNIa0eDV1GySiD8=
AllowedIPs = 10.8.0.0/24
Endpoint = 106.15.137.139:51820
```

❏ “wg0.conf”❏

```
sudo wg-quick up wg0 #❏❏❏❏❏❏❏❏❏  
sudo wg-quick down wg0 #❏❏❏❏❏❏❏❏❏❏❏❏❏❏❏
```

??docker-compose??paperless ?????????

<https://chochol.io/en/software/paperless-installation-guide-for-synology-on-docker-compose/>
<https://post.smzdm.com/p/a6p3r0ge/> [] [] [] [] [] [] [] []

- consume
- data
- export
- media
- pgdata
- redisdata

docker-compose [] []

```
version: "3.4"

services:

  broker:
    image: library/redis:7
    restart: unless-stopped
    container_name: redis7
    ports:
      - "6379:6379"
    volumes:
      - /volume1/docker/paperless-ngx/redisdata:/data

  db:
    image: library/postgres:15
    container_name: postgres15
    restart: unless-stopped
    volumes:
      - /volume1/docker/paperless-ngx/pgdata:/var/lib/postgresql/data

  environment:
    POSTGRES_DB: paperless
    POSTGRES_USER: eason
    POSTGRES_PASSWORD: xw210516
```

webservice:

image: paperlessngx/paperless-ngx:latest

container_name: paperless-ngx

restart: unless-stopped

depends_on:

- db
- broker
- gotenberg
- tika

ports:

- "38000:8000"

healthcheck:

test: ["CMD", "curl", "-fs", "-S", "--max-time", "2", "http://localhost:8000"]

interval: 30s

timeout: 10s

retries: 5

volumes:

- /volume1/docker/paperless-ngx/data:/usr/src/paperless/data
- /volume1/docker/paperless-ngx/media:/usr/src/paperless/media
- /volume1/docker/paperless-ngx/export:/usr/src/paperless/export
- /volume1/docker/paperless-ngx/consume:/usr/src/paperless/consume

environment:

PAPERLESS_REDIS: redis://broker:6379

PAPERLESS_DBHOST: db

PAPERLESS_DBUSER: eason

PAPERLESS_DBPASS: xw210516

PAPERLESS_DBPORT: 5432

PAPERLESS_TIKA_ENABLED: 1

PAPERLESS_TIKA_GOTENBERG_ENDPOINT: http://gotenberg:3000

PAPERLESS_TIKA_ENDPOINT: http://tika:9998

PAPERLESS_OCR_LANGUAGES: chi-sim chi-tra

PAPERLESS_OCR_LANGUAGE: eng+chi_sim

USERMAP_UID: 0

USERMAP_GID: 0

PAPERLESS_TIME_ZONE: Asia/Shanghai

PAPERLESS_ADMIN_USER: eason

PAPERLESS_ADMIN_PASSWORD: 210516

PAPERLESS_ADMIN_MAIL: bakeding@126.com

dns:

- 8.8.8.8
- 8.8.4.4

gotenberg:

```
image: gotenberg/gotenberg:7.10
container_name: gotenberg710
ports:
  - "38001:3000"
restart: unless-stopped
command:
  - "gotenberg"
  - "--chromium-disable-javascript=true"
  - "--chromium-allow-list=file:///tmp/*"
```

tika:

```
image: apache/tika:latest
container_name: tika
ports:
  - "9998:9998"
restart: unless-stopped
```


- PASSWORD=123456
- TZ=Asia/Shanghai

volumes:

- /volume1/docker/calibre/config:/config
- /volume1/docker/calibre/books:/library
- /volume1/docker/calibre/autoaddbooks:/autoaddbooks
- /volume1/docker/calibre/addin:/usr/local/calibre-web/app/cps/metadata_provider

ports:

- 51630:8083
- 51631:8080

restart: unless-stopped



python?pip??

pip??

```
python -m ensurepip  
python -m pip install --upgrade pip
```

□□

```
wget https://bootstrap.pypa.io/get-pip.py  
python get-pip.py
```

□□□□□□□□□□ pip --version□□ pip□□□□□

□□□□ pip□□□□□□□□□□□□□□ pip□□□□□□□□□□

```
sudo pip config set global.index-url https://pypi.tuna.tsinghua.edu.cn/simple/
```

??????????????

□□□□□□□□□□□□□□

```
python -m venv /volume1/web/venv/python38_env
```

□□□□□□

```
source /volume1/web/venv/python38_env/bin/activate
```

pip??

```
python -m pip uninstall pip
```

nginx????emqx

1. docker??emqx

```
services:
  emqx:
    image: emqx/emqx:5.10.0
    container_name: emqx4
    privileged: true
    #restart: always
    environment:
      - "EMQX_NODE_NAME=emqx@node1.emqx.io"
      - "EMQX_CLUSTER_DISCOVERY_STRATEGY=static"
    healthcheck:
      test: ["CMD", "/opt/emqx/bin/emqx", "ctl", "status"]
      interval: 5s
      timeout: 25s
      retries: 5
    networks:
      emqx-bridge:
        aliases:
          - node1.emqx.io
    ports:
      - 1883:1883
      - 8083:8083
      - 8084:8084
      - 8883:8883
      - 18083:18083
    volumes:
      # - /volume1/docker/emqx/data:/opt/emqx/data
      - /volume1/docker/emqx/emqx4/emqx.conf:/opt/emqx/opt/etc/emqx.conf
      - /volume1/docker/emqx/log:/opt/emqx/log

networks:
  emqx-bridge:
    driver: bridge
```

2. nginx????

nginx.conf

```
user www www;
worker_processes auto;
error_log /www/wwwlogs/nginx_error.log crit;
pid /www/server/nginx/logs/nginx.pid;
worker_rlimit_nofile 51200;

stream {
    #
    log_format tcp_format
'$time_local|$remote_addr|$protocol|$status|$bytes_sent|$bytes_received|$session_time|$upstream_addr|$upstream_bytes_sent|$upstream_bytes_received|$upstream_connect_time';
    allow all;

    access_log /home/eason/dywl/nginx/log/tcp-access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/tcp-error.log;
    #include /www/server/panel/vhost/nginx/tcp/*.conf;
    include /home/eason/dywl/nginx/bt-conf/tcp/*.conf;
}

events
{
    use epoll;
    worker_connections 51200;
    multi_accept on;
}

http
{
    include mime.types;
    #include luawaf.conf;

    include proxy.conf;
    lua_package_path "/www/server/nginx/lib/lua/?.lua;;";

    default_type application/octet-stream;
```

```
server_names_hash_bucket_size 512;
client_header_buffer_size 32k;
large_client_header_buffers 4 32k;
client_max_body_size 50m;
```

```
sendfile on;
tcp_nopush on;
```

```
keepalive_timeout 60;
```

```
tcp_nodelay on;
```

```
fastcgi_connect_timeout 300;
fastcgi_send_timeout 300;
fastcgi_read_timeout 300;
fastcgi_buffer_size 64k;
fastcgi_buffers 4 64k;
fastcgi_busy_buffers_size 128k;
fastcgi_temp_file_write_size 256k;
```

```
##fastcgi_intercept_errors on;
```

```
gzip on;
gzip_min_length 1k;
gzip_buffers 4 16k;
gzip_http_version 1.1;
gzip_comp_level 5;
gzip_types text/plain application/javascript application/x-javascript
```

```
text/javascript text/css application/xml application/json image/jpeg image/gif image/png
font/ttf font/otf image/svg+xml application/xml+rss text/x-js;
```

```
gzip_vary on;
gzip_proxied expired no-cache no-store private auth;
gzip_disable "MSIE [1-6]\.";
```

```
limit_conn_zone $binary_remote_addr zone=perip:10m;
```

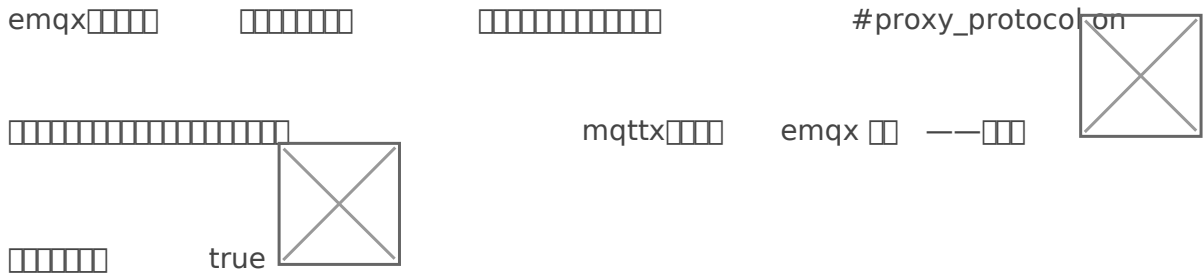
```
##limit_conn_zone $server_name zone=perserver:10m;
```

```
server_tokens off;
access_log off;
```

```
include /www/server/panel/vhost/nginx/*.conf;
include /home/eason/dywl/nginx/bt-conf/*.conf;
}
```

tcp.mqtt.conf /home/eason/dywl/nginx/bt-conf/tcp

```
# MQTT TCP 端口 (1883)
server {
    listen 1883;
    proxy_pass 10.8.0.4:1883;
    #proxy_protocol on; # 开启 PROXY 协议支持 IP
    #proxy_bind $remote_addr transparent; # 透明代理
    proxy_connect_timeout 10s;
    proxy_timeout 1800s; # 超时时间
    proxy_buffer_size 3M;
    tcp_nodelay on;
    access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}
```




```
    access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}

# ----- IMAPS993 -----
upstream imaps_backend { server 10.8.0.4:993; }
server {
    listen 993 ssl;
    proxy_pass imaps_backend;
    access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}

# ----- POP3S995 -----
upstream pop3s_backend { server 10.8.0.4:995; }
server {
    listen 995 ssl;
    proxy_pass pop3s_backend;
    access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}

# -----  -----
upstream smtp_backend { server 10.8.0.4:25; }
server {
    listen 25;
    proxy_pass smtp_backend;
}
access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}
upstream imap_backend { server 10.8.0.4:143; }
server {
    listen 143;
    proxy_pass imap_backend;
    access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
    error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}
upstream pop3_backend { server 10.8.0.4:110; }
server {
```

```

listen 110;
proxy_pass pop3_backend;
access_log /home/eason/dywl/nginx/log/mqtt_tcp_access.log tcp_format;
error_log /home/eason/dywl/nginx/log/mqtt_tcp_error.log;
}

```

###2.2 mail mail mail mail.bakeding.site nginx.mail.conf

```

server {
    listen 80;
    listen [::]:80;
    server_name mail.bakeding.site;
    access_log /home/eason/dywl/nginx/log/mail.log;

    location / {
        proxy_pass http://10.8.0.4/mail/;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;

        # Vue SPA
        proxy_intercept_errors on;
        error_page 404 = /mail/index.html;
    }

    #error_page 404 /404.html;
    # redirect server error pages to the static page /50x.html
    #
    error_page 500 502 503 504 /50x.html;
    location = /50x.html {
        root /home/eason/dywl/nginx/html;
    }
}

server {
    listen 443 ssl ;
    server_name mail.bakeding.site; #
    access_log $log_dir/easytribe443.log;
}

```

```

# SSL
ssl_certificate /home/eason/dywl/nginx/ssl/tencent/mail.bakeding.site_bundle.pem;
ssl_certificate_key /home/eason/dywl/nginx/ssl/tencent/mail.bakeding.site.key;

# SSL
ssl_protocols TLSv1.2 TLSv1.3;
ssl_ciphers ECDHE-RSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-SHA384;
ssl_prefer_server_ciphers off;

#
location / {
    proxy_pass http://10.8.0.4/mail/;
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;

    # VueSPA
    proxy_intercept_errors on;
    error_page 404 = /mail/index.html;
}
}

```

```

##3. bakeding.site MX mail.bakeding.site
@ SPF TXT v=spf1 mx -all
@ DKIM TXT v=DKIM1; k=rsa; p=
mail._domainkey mail (1.1) dmarc txt
_dmarc v=DMARC1; p=reject; rua=bakeding@126.com p
none , quarantine reject rua
##4.

```

openwrt ??????ksmbd

[openwrt](#) [ksmbd](#)

luci = ksmdb-utis ssh

```
ksmbd.adduser -a -p  
ksmbd.adduser --add root -p
```

```
ksmbd luci /mnt/sda1 root  
ksmbd ksmdb root  
"ksmbd"
```