

Docker 各系統安裝

各系統安裝連結

- zabbix
<https://www.zabbix.com/documentation/4.4/zh/manual/installation/containers>
<https://github.com/zabbix/zabbix-docker/tree/6.4/Dockerfiles/web-nginx-pgsql>
- elk
<https://github.com/deviantony/docker-elk>
<https://github.com/deviantony/docker-elk>
- smokeping
<https://cloud.tencent.com/developer/article/1703797>
- jenkins
https://hub.docker.com/_/jenkins/
- wekan
<https://github.com/wekan/wekan/wiki/Docker>
<https://wekan.github.io/wekan-doc/> (文件)
- postgresSQL
https://hub.docker.com/_/postgres
<https://cde566.medium.com/docker-compose%E5%89%B5%E5%BB%BApostgresql-7f3f9519fa20>
- powerdns
<https://blog.csdn.net/sdhzdtwhm/article/details/135910057>

Jenkins

[Jenkins - Official Image | Docker Hub](#)

[jenkins/jenkins - Docker Image | Docker Hub](#)

```
docker run -d \  
-p 8080:8080 -p 50000:50000 \  
-v ~/jenkins/home:/var/jenkins_home \  
--name jenkins \  
jenkins/jenkins:its
```

ps. jenkins 抓取一定要帶版號不然會報錯

[jenkins Tags | Docker Hub](#)

```
Using default tag: latest  
Error response from daemon: manifest for jenkins:latest not found: manifest unknown: manifest unknown
```

```
docker pull jenkins/jenkins:its
```

ps. 要安裝軟體需要使用root 登入

```
docker exec -u root -it jenkins sh
```

```
touch: cannot touch '/var/jenkins_home/copy_reference_file.log': Permission denied  
Can not write to /var/jenkins_home/copy_reference_file.log. Wrong volume permissions?
```

```
sudo chown -R 1000:1000 {mount jenkins home path}
```

ps.使用nginx revers proxy 現設定問題，需要設定 proxy_set_header

```
server {
    listen      80;
    server_name tomcat.srou.com;

    location / {
        sendfile off;
        proxy_pass http://192.168.100.4:10031/;
        proxy_redirect default;
        proxy_http_version 1.1;

        # Required for Jenkins websocket agents
        proxy_set_header Upgrade $http_upgrade;

        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;
        proxy_max_temp_file_size 0;

        #this is the maximum upload size
        client_max_body_size 10m;
        client_body_buffer_size 128k;

        proxy_connect_timeout 90;
        proxy_send_timeout 90;
        proxy_read_timeout 90;
        proxy_buffering off;
        proxy_request_buffering off; # Required for HTTP CLI commands
        proxy_set_header Connection ""; # Clear for keepalive

    }
}
```

gitlab

```
docker run -d \
--name gitlab \
-p 8080:80 -p 443:443 -p 22:22 \
--privileged \
--restart always \
-v ~/gitlab/config:/etc/gitlab \
-v ~/gitlab/logs:/var/log/gitlab \
-v ~/gitlab/data:/var/opt/gitlab \
gitlab/gitlab-ce
```

-d : 讓容器(Container)在背景執行
--name : 指定容器(Container)的名稱
-p : 指定主端(Host)對應客端(Quest)的連接埠
--privileged : 容器(Container)的 root 擁有真正的 root 權限
-restart : 設定為 restart，則容器在異常停止後，會自動重新啟動
-v : 將容器(Container)內需永續保存的目錄，連結至主端的目錄

docker-compose.yml

```
docker-compose up -d
```

```
version: "3.6"
services:
```

```
gitlab:
  image: gitlab/gitlab-ce:latest
  restart: always
  privileged: true
  ports:
    - '8080:80'
    - '443:443'
    - '22:22'
  volumes:
    - '~/gitlab/data:/var/opt/gitlab'
    - '~/gitlab/logs:/var/log/gitlab'
    - '~/gitlab/config:/etc/gitlab'
```

Tomcat

[Docker部署tomcat出現404錯誤 - 台部落 \(twblogs.net\)](#)

新版tomcat 不提供manager ，需手動複製，webapps.dist copy -> webapps

PostgreSQL

```
version: "3.7"
services:
  db:
    image: postgres:13.2-alpine
    restart: always
    environment:
      POSTGRES_DB: postgres
      POSTGRES_USER: $USER_NAME #postgres
      POSTGRES_PASSWORD: $PASSWORD #1234
      PGDATA: /var/lib/postgresql/data
    volumes:
      - db-data:/var/lib/postgresql/data
    ports:
      - "5432:5432"
  pgadmin:
    image: dpage/pgadmin4:latest
    restart: always
    environment:
      PGADMIN_DEFAULT_EMAIL: $USER_EMAIL #xxx@gmail
      PGADMIN_DEFAULT_PASSWORD: $PASSWORD #abcd
      PGADMIN_LISTEN_PORT: 80
    ports:
      - "8080:80"
    volumes:
      - pgadmin-data:/var/lib/pgadmin
    links:
      - "db:pgsql-server"
  volumes:
    db-data:
    pgadmin-data:
```

🕒 修訂版本 #19

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