

Ubuntu 22.04?Growi v7.x???????

Docker???????Growi?v7.x?Ubuntu22.04????????????????????

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- Ubuntu 22.04
- Apache 2.4

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- ?????????????????
- ?????????????????

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

????v7????????

1. ?????????????????
2. Node.js/npm????????
3. Redis-server????????
4. Java????????
5. ElasticSearch 8????????
 1. ElasticSearch????????
 2. ElasticSearch????????????????
 3. ElasticSearch????????
6. MongoDB????????
 1. MongoDB????????
 2. MongoDB????????
 3. MongoDB????????
7. yarn????????
 1. ?????????????
 2. turbo????????
8. Growi????????
 1. yarn????????
 2. ?????????
 3. ?????????
9. **Apache**????????
10. ?????????

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

- git, build????

```
sudo aptitude install build-essential git git-lfs apt-transport-https
```

?v6?????git-lfs?????????????git-clone ??????????????????

node18?????????????

- ??????

```
sudo curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash
```

- ????????????

```
sudo aptitude update
```

- Node.js?????

```
sudo aptitude install nodejs
```

- Node.js??????

```
node -v
```

2024/06/27?:v18.20.3

- npm??????

```
npm -v
```

2024/06/27?:10.7.0

redis-server?????????????

- ??????

```
sudo aptitude install redis-server
```

- ????

```
systemctl status redis-server
```

active(running)??????

- ??????

```
sudo systemctl enable redis-server
```

Java?????????????

- ??????

```
sudo aptitude install openjdk-17-jdk
```

ElasticSearch??????????

- gpg??

```
sudo wget -qO - https://artifacts.elastic.co/GPG-KEY-elasticsearch | sudo gpg --dearmor -o  
/usr/share/keyrings/elasticsearch-keyring.gpg
```

- ???????

```
sudo echo "deb [signed-by=/usr/share/keyrings/elasticsearch-keyring.gpg]  
https://artifacts.elastic.co/packages/8.x/apt stable main" | sudo tee /etc/apt/sources.list.d/elastic-8.x.list
```

- ???????????

```
sudo aptitude update
```

- ElasticSearch?????

```
sudo aptitude install elasticsearch
```

??

JVM????

- ???????????

```
sudo mkdir /etc/elasticsearch/old
```

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

- ???????????

```
sudo cp -pi /etc/elasticsearch/jvm.options /etc/elasticsearch/old/jvm.options.$(date +%Y%m%d)
```

- ??????????

```
echo -e "-Xms256m\n-Xmx256m" | sudo tee -a /etc/elasticsearch/jvm.options
```

- ??????

```
sudo diff -u /etc/elasticsearch/old/jvm.options.$(date +%Y%m%d) /etc/elasticsearch/jvm.options
```

- ??

```
+Xms256m
```

```
+Xmx256m
```

ElasticSearch????

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

- root??

```
sudo su -
```

- ?????????

```
cp -pi /etc/elasticsearch/elasticsearch.yml /path/to/backup/elasticsearch.yml.$(date +%Y%m%d)
```

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

- ???????

```
sed -i -e 's/xpack.security.enabled: true/xpack.security.enabled: false/' \  
-e '/xpack.security.http.ssl:{n; s/ enabled: true/ enabled: false/}' \  
-e '/xpack.security.transport.ssl:{n; s/ enabled: true/ enabled: false/}' /etc/elasticsearch/elasticsearch.yml
```

- ????

```
diff -u /path/to/backup/elasticsearch.yml.$(date +%Y%m%d) /etc/elasticsearch/elasticsearch.yml
```

- ??

```
# Enable security features  
-xpack.security.enabled: true  
+xpack.security.enabled: false
```

```
xpack.security.enrollment.enabled: true
```

```
# Enable encryption for HTTP API client connections, such as Kibana, Logstash, and Agents  
xpack.security.http.ssl:  
- enabled: true  
+ enabled: false  
  keystore.path: certs/http.p12
```

```
# Enable encryption and mutual authentication between cluster nodes
```

```
xpack.security.transport.ssl:
```

- enabled: true
- + enabled: false

- root?????

```
exit
```

ElasticSearch????????

- analysis-kuromoji ?????

```
sudo /usr/share/elasticsearch/bin/elasticsearch-plugin install analysis-kuromoji
```

- analysis-isu ?????

```
sudo /usr/share/elasticsearch/bin/elasticsearch-plugin install analysis-icu
```

????????

- ??

```
sudo systemctl start elasticsearch
```

- ???

```
systemctl status elasticsearch
```

active(running)??????

- ?????

```
sudo systemctl enable elasticsearch
```

MongoDB?????

??????

- ???????????

```
sudo aptitude install gnupg
```

- gpg??

```
curl -fsSL https://pgp.mongodb.com/server-6.0.asc | sudo gpg -o /usr/share/keyrings/mongodb-server-6.0.gpg --dearmor
```

- ??????

```
echo "deb [ arch=amd64,arm64 signed-by=/usr/share/keyrings/mongodb-server-6.0.gpg ]
https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/6.0 multiverse" | sudo tee
/etc/apt/sources.list.d/mongodb-org-6.0.list
```

MongoDB?????

- ????????????

```
sudo aptitude update
```

- MongoDB?????

```
sudo aptitude install mongodb-org mongodb-org-server mongodb-org-shell mongodb-org-mongos mongodb-org-
tools
```

MongoDB???????

?2024/04/03???Growi?MongoDB????????????????????????????????????

```
sudo aptitude hold mongodb-org
```

```
sudo aptitude hold mongodb-org-server
```

```
sudo aptitude hold mongodb-org-shell
```

```
sudo aptitude hold mongodb-org-mongos
```

```
sudo aptitude hold mongodb-org-tools
```

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

MongoDB??

- ??????????

```
sudo mkdir /home/mongodb
```

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

- ?????

```
sudo chown -R mongodb:mongodb /home/mongodb
```

- ??????

```
ls -ld /home/mongodb
```

- ??????????????

```
sudo cp -pi /etc/mongod.conf /path/to/backup/mongod.conf.$(date +%Y%m%d)
```

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

- ???????

```
sudo diff -u /etc/mongod.conf /path/to/backup/mongod.conf.$(date +%Y%m%d)
```

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

- ???????

```
sudo sed -i 's/dbPath: \var\lib\mongodb/dbPath: \home\mongodb/' /etc/mongod.conf
```

- ????

```
sudo diff -u /path/to/backup/mongod.conf.$(date +%Y%m%d) /etc/mongodb.conf
```

- ??

```
- dbPath: /var/lib/mongodb
+ dbPath: /home/mongodb
```

??????

- mongod?????

```
sudo systemctl start mongod
```

- ???????

```
systemctl status mongod
```

active (running)?????

- ???????

```
sudo systemctl enable mongod
```

yarn??????

- npm?yarn?????

```
sudo npm install -g yarn
```

- turbo?????

?Growi v6.1.0???????????????

```
sudo yarn global add turbo
```

Growi?????

- git clone

```
sudo git clone https://github.com/weseek/growi /home/www-data/growi
```

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

- ???????

```
cd /home/www-data/growi && pwd
```

???clone???????????

- ???????

```
sudo git checkout -b v7.0.11 refs/tags/v7.0.11
```

2024/06/27???????????????????

- yarn?????????

```
sudo yarn
```

CPU???????????????????????

- ???

```
sudo yarn app:build
```

v7???????????????????????????

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

- systemd??


```
cat <<- __EOF__ | sudo tee -a /etc/systemd/system/growi.service
[Unit]
Description = growi
After=network-online.target mongod.service
ConditionPathExists=/home/www-data/growi

[Service]
ExecStart=/home/www-data/growi/growi-start.sh
Restart=no
Type=simple

[Install]
WantedBy=multi-user.target
__EOF__
```

git clone

- Growi
 -
- :growi-start.sh
 - growi

```
#!/bin/bash
cd /home/www-data/growi
NODE_ENV=production \
AUDIT_LOG_ENABLED=true \
FORCE_WIKI_MODE=private \
MONGO_URI=mongodb://localhost:27017/growi \
ELASTICSEARCH_URI=http://localhost:9200/growi \
REDIS_URI=redis://localhost:6379 \
PASSWORD_SEED=[ ] \
FILE_UPLOAD=local \
npm start
```

git clone [PASSWORD_SEED=GOLDEN_SEED

FILE_UPLOAD=local DB

-

```
sudo chmod +x /home/www-data/growi/growi-start.sh
```

- systemd

```
sudo systemctl daemon-reload
```

- growi???

```
sudo systemctl start growi.service
```

- growi????

```
systemctl status growi.service
```

active(running)???

- ???????

```
sudo systemctl enable growi.service
```

Apache????????????

- ?????????

```
sudo a2enmod proxy_http rewrite header
```

- apache??

```
sudo systemctl restart apache2.service
```

- ?????????

```
suod mkdir /var/log/growi/
```

- ????

```
sudo chown -R www-data:www-data /var/log/growi
```

- ???????

```
cat <<- __EOF__ | sudo tee -a /etc/apache2/sites-available/growi.conf
<VirtualHost _default_:80>
    ServerName [ ]hoge.example.com[ ]
    # [ ]
    RewriteEngine On
    RewriteCond %{HTTPS} off
    RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
    # HTTP[ ]HTTPS[ ]
```

</VirtualHost>

<VirtualHost _default_:443>

ServerName hoge.example.com

#

CustomLog /var/log/growi/growi_access.log combined

ErrorLog /var/log/growi/growi_error.log

#SSL

SSLEngine on

Protocols h2 http/1.1

SSL

SSLCertificateFile /etc/certs/hoge.example.com.crt

SSL

SSLCertificateKeyFile /etc/private/hoge.example.com.key

#

Header Host: example.com

ProxyPreserveHost On

HTTPS: Header x-forwarded-proto: https

RequestHeader set x-forwarded-proto 'https'

Apache static assets 304 ETag

<ifModule mod_headers.c>

Header unset ETag

</ifModule>

FileETag None

WebSocket

RewriteEngine On

RewriteCond %{HTTP:Upgrade} =websocket [NC]

RewriteCond %{HTTP:Connection} upgrade [NC]

RewriteRule /(.*) ws://localhost:3000/\$1 [P,L]

ProxyPass / http://localhost:3000/

ProxyPassReverse / http://localhost:3000/

</VirtualHost>

SSLProtocol all -SSLv3 -TLSv1 -TLSv1.1 -TLSv1.2

```
SSLCipherSuite      ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-
AES256-GCM-SHA384:EC6-GCM-SHA384
SSLHonorCipherOrder  off
SSLSessionTickets    off
__EOF__
```

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?v6??WebSocket????????????????

Apache??????????WebSocket????????????????????????????????????

- ???

```
sudo a2ensite growi.conf
```

- ??????

```
sudo apache2ctl configtest
```

Syntax OK??????

- Apache2???

```
sudo systemctl restart apache2.service
```

Growi????????

http://???????? ??????????



GROWI

👤 アカウント作成

📁 データ移行

最初のアカウントの作成

初めに作成するアカウントは、自動的に管理者権限が付与されます



日本語



ユーザーID



名前



メールアドレス



パスワード



作成

GROWI.org

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Revision #4

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