

Ubuntu24.04?Growi v7????????(v7.1.0???)

????Ubuntu24.04?Growi????????????????

???:[GROWI?Ubuntu????](#)

???v7.1.0?pnpm????????????????

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- Ubuntu 24.04
- Apache 2.4

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

??

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

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

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????????(????)
7. yarn????????
 1. turbo????????
8. Growi????????
 1. yarn????????
 2. ?????????
 3. ?????????
9. Apache????????
10. ?????????

??

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

- git, build????
- sudo aptitude install build-essential git git-lfs apt-transport-https

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

node20????????

- ??????
- sudo curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash
- ?????????

sudo aptitude update

- Node.js????
- sudo aptitude install nodejs

- Node.js????
- node -v

2024/10/30?:v20.18.0

- npm????
- npm -v

2024/10/30?:10.9.0

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??????????

- OpenJDK??????

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

- 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://www.mongodb.org/static/pgp/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????????????????????????????????

- ??????????

```
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 v7.0.23 refs/tags/v7.0.23
```

2024/10/30????????????????

- 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
After=network.target elasticsearch.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=[ ] \
```

```
npm run app:server
```

?????git clone???????????? []???????????? ?? PASSWORD_SEED=GOLDEN_SEED

????????????????????????????(??s3????????????????????????????????????)

- ???

```
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
```

- 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

# socket.io path rewrite
RewriteEngine On
RewriteCond %{REQUEST_URI} ^/socket.io [NC]
RewriteCond %{QUERY_STRING} transport=websocket [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__

```

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

?Ubuntu22.04??????socket.io?path????????????????????

- ????

```
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

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

Revision #9

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