

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

Growi v7.1.0????????

???????yarn??pnpm????????????????

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- Ubuntu 24.04
- Apache 2.4

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

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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. pnpm????????
 1. turbo????????
8. Growi????????
 1. pnpm????????
 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` ??????????????

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
```

ElasticSearh??????????

- 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-icu ?????

```
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
```

pnpm?????

- npm?pnpm?????

```
sudo npm install -g pnpm
```

- 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 v7.1.0 refs/tags/v7.1.0
```

- lfs pull

```
sudo git lfs pull
```

- pnpm????????

```
sudo pnpm install
```

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

- ???

```
sudo npm run app:build
```

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

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

- 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 #4

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