

Growi

Web???Markdown?Wiki???Growi???

- [Growi???????](#)
 - [Ubuntu 22.04?Growi 6.x???????](#)
 - [Ubuntu 22.04?Growi v7.x???????\(v7.1.0???\)](#)
 - [Ubuntu24.04?Growi v7???????\(v7.1.0???\)](#)
 - [Ubuntu24.04?Growi v7???????\(v7.1.0???\)](#)
- [Growi??](#)
 - [Ubuntu 24.04???Growi 7.0.23?7.1.0?????????](#)
 - [Growi????????????\(ElasticSearch?????????????\)](#)
 - [growi????????/????????\(v7.1.0???\)](#)
 - [Growi v7.x????????????\(Apache ????????WebSocket??\)](#)
 - [Ubuntu 20.04 / nginx???growi?v6.x?v7.0.x????????\(nginx????????WebSocket??\)](#)
 - [Growi v7.1.x?????????](#)

Growi????????

Growi???????

Ubuntu 22.04?Growi 6.x???????

Growi?Ubuntu22.04????????????????????

? Growi v????????????????v6????????

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- Ubuntu 22.04
- Apache 2.4

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

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

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

??

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
```

2024/04/03?:v18.20.0

- npm?????

```
npm -v
```

2024/04/03?:10.5.0

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 aptitude install apt-transport-https
```

- ??????

```
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://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@1.12.2
```

????turbo????????v6????????

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 v6.3.5 refs/tags/v6.3.5
```

2024/06/25???Growi6????6.3.5????????

- yarn????????

```
sudo yarn
```

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

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

- 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

# 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__

```

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

?v7??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

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

Growi???????

Ubuntu 22.04?Growi v7.x????????(v7.1.0???)

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. ?????????

??

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

- 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__
```

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

?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

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

Growi???????

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

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

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

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

??

- 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-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
```

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

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

Growi???????

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

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

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

??

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

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]
```

```
# [redacted]
CustomLog /var/log/growi/growi_access.log combined
ErrorLog /var/log/growi/growi_error.log
```

```
#SSL[redacted]
SSLEngine on
    Protocols h2 http/1.1
# SSL[redacted]
```

```
SSLCertificateFile [redacted]etc/certs/hoge.example.com.crt[redacted]
# SSL[redacted]
SSLCertificateKeyFile [redacted]etc/private/hoge.example.com.key[redacted]
# [redacted]
```

```
# Header [redacted]Host: example.com [redacted]
ProxyPreserveHost On
# HTTPS[redacted]: Header [redacted]x-forwarded-proto: https [redacted]
RequestHeader set x-forwarded-proto 'https'
# Apache [redacted] static assets [redacted] 304 [redacted] ETag [redacted]
<ifModule mod_headers.c>
    Header unset ETag
</ifModule>
FileETag None
```

```
# socket.io [redacted] path [redacted] rewrite [redacted]
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

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

Growi??

Growi??

Ubuntu 24.04????Growi 7.0.23?7.1.0??????????

Ubuntu 7.1.0????????????????

<https://github.com/weseek/growi/releases/tag/v7.1.0>

??

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

- Ubuntu 24.04
- Mongoddb 6.0.19
- npm 10.9.0
- node v20.18.0
- **yarn 1.22.22**
- Growi 7.0.23

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

<https://barrel.reisalin.com/books/growi/page/ubuntu2404growi-v7v710>

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

- Ubuntu 24.04
- Mongoddb 6.0.19
- npm 10.9.0
- node v20.18.0
- **pnpm 9.12.3**
- Growi 7.1.0

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

??????????

1. Growi????????
2. Growi????????
3. ??git clone????
4. ?????????
5. pnpm????????
6. ?????????
7. Growi????????
8. Growi????????
9. ?????????

?????git checkout?????????????????

Growi??????

- Growi???????

```
systemctl status growi.service
```

active(running) ??????

- Growi?????

```
sudo systemctl stop growi.service
```

- Growi???????

```
systemctl stop growi.service
```

inactive(dead) ??????

Growi????????

- ???????

```
????? /home/www-data/growi ???
```

```
sudo mv /home/www-data/growi /path/to/backup/directory/growi_org
```

- ?????????

```
ls -l /path/to/backup/directory/growi_org
```

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

Growi????????

- git clone

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

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

- ???????

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

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

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

- ??????

```
sudo git checkout -b v7.1.0 refs/tags/v7.1.0
```

- lfs pull

```
sudo git lfs pull
```

pnpm????????????

- npm install

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

- ???????

```
pnpm --version
```

9.12.3 ???(2024/11/02??)

Growi?????

- lfs pull

```
sudo git lfs pull
```

- pnpm?????

```
sudo pnpm install
```

? ??????????????????
? Done in ??????????????????

- ???

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

?????Growi????????????

?????????????????Growi????????????????????????????

- ???????

```
sudo cp -pi /path/to/backup/directory/growi_org/growi-start.sh /home/www-data/growi/
```

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

- ?????

```
ls -l /home/www-data/growi/growi-start.sh
```

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

growi??????????

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

```
systemctl status growi.service
```

inactive (dead)?????

- ???????

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

? ??????????????????503??????????

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

```
systemctl status growi.service
```

```
????????[growi]????
```

active (running)?????

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

1. ??????????growi?????/IP?????????
2. ?????????????7.1.0????????????

Growi??

Growi????????????(ElasticSearch ?????????????)

??

Elasticsearch 管理

接続の状態	障害されていません
インデックスの状態	リビルド中または 破損しています
インデックスのサマリ	

再接続

再接続の試行

Elasticsearch への再接続を試みます。

正規化

インデックスの正規化

破損したインデックスを修復します。

リビルド

インデックスのリビルド

全てのページのインデックスを削除し、作り直します。
この作業には数秒かかります。

????????????Growi????????????

????

- elasticsearch???

```
systemctl status elasticsearch.service
```

- ?????

● elasticsearch.service - Elasticsearch

Loaded: loaded (/lib/systemd/system/elasticsearch.service; enabled; vendor preset: enabled)

Active: failed (Result: exit-code) since Wed 2023-08-09 20:32:57 JST; 12min ago

Docs: <https://www.elastic.co>

Process: 992 ExecStart=/usr/share/elasticsearch/bin/systemd-entrypoint -p \${PID_DIR}/elasticsearch.pid --quiet (code=exited, status=1/FAI>

Main PID: 992 (code=exited, status=1/FAILURE)

```

8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.bootstrap.Elasticsearch.execute(Elasticsearch.java:1>
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.cli.EnvironmentAwareCommand.execute(EnvironmentAware>
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.cli.Command.mainWithoutErrorHandling(Command.java:11>
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.cli.Command.main(Command.java:77)
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:125)
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]:      at
org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:80)
8 09 20:32:56 chisato.lyco.reco systemd-entrypoint[992]: For complete error details, refer to the log at
/var/log/elasticsearch/elasticsearch-
8 09 20:32:57 chisato.lyco.reco systemd[1]: elasticsearch.service: Main process exited, code=exited,
status=1/FAILURE
8 09 20:32:57 chisato.lyco.reco systemd[1]: elasticsearch.service: Failed with result 'exit-code'.
8 09 20:32:57 chisato.lyco.reco systemd[1]: Failed to start Elasticsearch.
lines 1-17/17 (END)

```

? ElasticSearch????????????????

????

- ElasticSearch????

```
sudo tail -50 /var/log/elasticsearch/elasticsearch.log
```

- ????

```

[2023-08-09T20:32:56,947][ERROR][o.e.b.ElasticsearchUncaughtExceptionHandler] [chisato.lyco.reco] uncaught
exception in thread [main]
org.elasticsearch.bootstrap.StartupException: java.lang.IllegalArgumentException: Plugin [analysis-icu] was built
for Elasticsearch version 7.17.10 but version 7.17.12 is running
    at org.elasticsearch.bootstrap.Elasticsearch.init(Elasticsearch.java:173) ~[elasticsearch-
7.17.12.jar:7.17.12]

```

?????????ElasticSearch????????????????????????????????????

??

1. ?????????????????
2. ?????????????????
3. ?????????????ElasticSearch??

??????????

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

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

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

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

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

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

- ElasticSearch??

```
sudo systemctl restart elasticsearch.service
```

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

- ElasticSearch???

```
systemctl status elasticsearch.service
```

● elasticsearch.service - Elasticsearch

Loaded: loaded (/lib/systemd/system/elasticsearch.service; enabled; vendor preset: enabled)

Active: active (running) since Wed 2023-08-09 20:53:39 JST; 27s ago

Docs: <https://www.elastic.co>

Main PID: 2930 (java)

Tasks: 93 (limit: 9152)

Memory: 786.6M

CGroup: /system.slice/elasticsearch.service

└─2930 /usr/share/elasticsearch/jdk/bin/java -Xshare:auto -Des.networkaddress.cache.ttl=60 -Des.networkaddress.cache.negative.ttl=

└─3114 /usr/share/elasticsearch/modules/x-pack-ml/platform/linux-x86_64/bin/controller

8 09 20:53:14 chisato.lyco.reco systemd[1]: Starting Elasticsearch...

?????

Growi????????

1. Growi????????????????
2. ?????????????
3. ??Elasticsearch?????????????????OK??

Growi??

growi?????/?(v7.1.0??)

??

Wiki?????growi?????

?????git?????(?????)

??

- ??growi?????
- systemd?????
- ??????
 - <https://github.com/weseek/growi/releases>

???

???v7.1.0?????

??

????????

1. growi?????
2. git?????
3. ??????
4. growi?????
5. ??????

growi?????

- growi????(??)

```
systemctl status growi.service
```

? ??????
? active(running)?????

- growi??????

```
sudo systemctl stop growi.service
```

- growi??????(???)

```
systemctl status growi.service
```

inactive (dead)?????

growi??????????

```
cd /opt/growi
```

??????????

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

- ???????

```
sudo git fetch --tags
```

- ???????

```
sudo git tag -l
```

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

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

- ???????

```
sudo git stash
```

- ???????

```
sudo git checkout [ ] [ ] [ ] [ ] [ ]
```

- yarn

```
sudo yarn
```

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

? Done in ??????????????????

- ???

```
sudo yarn app:build
```

growi??????????

- ??????????

```
systemctl status growi.service
```

inactive (dead)?????

- ??????

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

? ??????????????????503??????????

- ??????????

```
systemctl status growi.service
```

```
██████████[growi]██████
```

active (running)?????

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

1. ??????????growi?????/IP?????????
2. ???

Growi??

Growi

v7.x????????????????(Apache ????????WebSocket??)

?????

- Growi????v6.3.5?v7.0.11????????????????????????????
- ?????????????????????

Wiki????????v6.3.5????????

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

??????????

- Ubuntu 22.04
- Apache 2.4
- Growi v7.0.11?Docker????????
- Apache????????

??

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

- Ubuntu 24.04
- Apache 2.4
- Growi v7.0.23

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

- [7.0.0]???????????? #8677
 - <https://github.com/weseek/growi/issues/8677>

“

How to reproduce? (????)

2??HostPC????Growi????A??B????

????????A??B???? B??Growi??PC???? ????

What happens? (??)

??

???????

?????

??issue?????

“ ?????????????????????????????

?? https-portal ?????????????????? growi-docker-compose/examples/https-portal ??? WEBSOCKET:
'true' ?????????????????????? ???

??????

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

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

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

1. ???growi????????????????
2. ?????????????????
3. ???????????
4. ??????
5. ???????

?????URL

[How to Reverse Proxy Websockets with Apache 2.4](#)

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

- Apache????????????

```
cat /etc/apache2/sites-available/growi.conf
```

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

- ??????

```
# socket.io ? path ? rewrite ??
```

```
RewriteEngine On
```

```
RewriteCond %{REQUEST_URI} ^/socket.io          [NC]
RewriteCond %{QUERY_STRING} transport=websocket  [NC]
RewriteRule /(.* ) ws://localhost:3000/ [P,L]

ProxyPass / http://localhost:3000/
ProxyPassReverse / http://localhost:3000/
```

?????github?growi????????????????????

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

- ?????

```
sudo cp -pi /etc/apache2/sites-available/growi.conf /path/to/backup/directory/growi.conf.$(date +%Y%m%d)
```

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

- ?????

```
diff -u /path/to/backup/directory/growi.conf.$(date +%Y%m%d) /etc/apache2/sites-available/growi.conf
```

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

??????????

????????????????????????(?????)

- ?????

```
# socket.io  path  rewrite 
RewriteEngine On
RewriteCond %{REQUEST_URI} ^/socket.io          [NC]
RewriteCond %{QUERY_STRING} transport=websocket  [NC]
RewriteRule /(.* ) ws://localhost:3000/ [P,L]
```

- ?????????

```
# WebSocket
RewriteEngine On
RewriteCond %{HTTP:Upgrade} =websocket [NC]
RewriteCond %{HTTP:Connection} upgrade [NC]
RewriteRule /(.* ) ws://localhost:3000/$1 [P,L]
```

????????

- ???

```
diff -u /path/to/backup/directory/growi.conf.$(date +%Y%m%d) /etc/apache2/sites-available/growi.conf
```

- ????

```
- # socket.io path rewrite []
- RewriteEngine On
- RewriteCond %{REQUEST_URI} ^/socket.io [NC]
- RewriteCond %{QUERY_STRING} transport=websocket [NC]
- RewriteRule /(.*) ws://localhost:3000/ [P,L]
+ # WebSocket[#####]
+ RewriteEngine On
+ RewriteCond %{HTTP:Upgrade} =websocket [NC]
+ RewriteCond %{HTTP:Connection} upgrade [NC]
+ RewriteRule /(.*) ws://localhost:3000/$1 [P,L]
```

?????????

- ????

```
sudo apache2ctl configtest
```

Syntax OK ??????

- Apache?????

```
systemctl status apache2.service
```

active (running) ??????

- Apache???

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

- Apache?????

```
systemctl status apache2.service
```

active (running) ??????

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

?????????Growi?????????????

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

Growi??

Ubuntu 20.04 / nginx??growi?v6.x?v7.0.x????????? ?(nginx????????WebSocket??)

??

??Ubuntu 20.04?????growi????v7.0.x????????????????????

Apache????nginx????WebSocket????????????????

??

- Ubuntu 20.04
- Growi v6.3.5
- ?Docker??????
- nginx? [?????growi v6?nginx????????????????](#)

??????????

1. node????????????
2. growi????????
3. growi????????????
4. growi????????
5. nginx????????????nginx????????
6. ?????????

node????????

```
node -v
```

v18.16.0 ?Growi7????????node????????????

- n package??????

```
sudo npm install -g n
```

- n?node 20????????

```
sudo n --stable
```

- ?????????

```
node -v
```

```
20.15.0 ??????
```

growi????????????????

- growi??????(??)

```
systemctl status growi.service
```

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

? active(running)?????

- growi??????

```
sudo systemctl stop growi.service
```

- growi??????(??)

```
systemctl status growi.service
```

inactive (dead)?????

growi????????

- growi????????

```
cd /opt/growi
```

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

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

```
sudo aptitude install git-lfs
```

```
git-lfs ??????clone/build????????????
```

- lfs -pull

```
sudo git lfs pull
```

- ???????

```
sudo git fetch --tags
```

- ???????

```
sudo git tag -l
```

2024/06/30??v7????v7.0.11??????????

- git????????

```
sudo git stash
```

- ?????

```
sudo git checkout [REDACTED]
```

????? v7.0.11 ?????

- yarn

```
sudo yarn
```

v6.x????????

- ?????

```
sudo yarn app:build
```

????????

????????growi????

- ?????

```
systemctl status growi.service
```

inactive (dead)????

- ?????

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

- ?????

```
systemctl status growi.service
```

```
[REDACTED][growi][REDACTED]
```

active (running)????

nginx????????

[v7.x??WebSocket??](#)

?????nginx???????????

- ???growi????????????

```
sudo mv /etc/nginx/sites-available/growi.conf /path/to/backup/directory/growi.conf.$(date +%Y%m%d)
```

????????????????cp????mv????

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

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

```
cat <<- __EOF__ | sudo tee -a /etc/nginx/sites-available/growi.conf
upstream growi {
    server [growi]P[ ]:3000;
}

server {
    listen 80;
    server_name [ ];
    server_tokens off;
    return 301 https://$host$request_uri;
    access_log [growi[ ]];
    error_log [growi[ ] warn;
}

map $http_upgrade $connection_upgrade {
    default Upgrade;
    "" close;
}

server {
    listen 443 ssl;
    server_name [ ];
    server_tokens off;
    ssl_session_timeout 1d;
    ssl_session_cache shared:SSL:50m;
    ssl_session_tickets off;
    ssl_dhparam /etc/nginx/dhparam.pem;
    ssl_ciphers ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-
GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-
```

```

POLY1305:DHE-RSA-AES128-GCM-SHA256:DHE-RSA-AES256-GCM-SHA384;

ssl_prefer_server_ciphers off;
add_header Strict-Transport-Security 'max-age=63072000';


ssl_certificate [REDACTED];
ssl_certificate_key [REDACTED];


access_log [REDACTED]growi[REDACTED]SSL[REDACTED];
error_log [REDACTED]growi[REDACTED]SSL[REDACTED] warn;


location / {
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-Proto $scheme;
    proxy_set_header X-Forwarded-Port $server_port;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_pass http://growi;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection $connection_upgrade;
    proxy_read_timeout 900s;
}
}

__EOF__

```

????????? [Growi](#) ??????????

- nginx??????

```
sudo nginx -t
```

- nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
- nginx: configuration file /etc/nginx/nginx.conf test is successful

??????

- nginx???

```
sudo systemctl restart nginx.service
```

??????????

1. ???growi??????????
2. ?????????????????????
3. ?????????????????????????????????????

Growi??

Growi v7.1.x??????????

??

V7.1.x????????yarn????mnpm????????

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

??

- ??growi????????????
- systemd????????????
- ?????????????????????????????
 - <https://github.com/weseek/growi/releases>

???

v7.0.x??yarn????

??

??????????

1. growi????????
2. git????????
3. ?????????
4. growi????????
5. ?????????

growi????????

- growi??????(??)

```
systemctl status growi.service
```

? ??????????????????
? active(running)?????

- growi?????

```
sudo systemctl stop growi.service
```

- growi??????(??)

```
systemctl status growi.service
```

inactive (dead)?????

growi??????????

```
cd /opt/growi
```

??????????

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

- ???????

```
sudo git fetch --tags
```

- ???????

```
sudo git tag -l
```

??

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

- ???????

```
sudo git stash
```

- ??????

```
sudo git checkout [ ]
```

- pnpm install

```
sudo pnpm install
```

- ??

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

growi??????????

- ?????????

```
systemctl status growi.service
```

inactive (dead)?????

- ??????

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

? ??????????????????503?????????

- ??????????

```
systemctl status growi.service
```

```
██████████[growi]██████
```

active (running)?????

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

1. ??????????growi?????/IP?????????
2. ?????????????????????????????????????