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- [Linux?????](#)
  - [ufw???IP????????????????](#)
  - [MySQL????????????????](#)

Linux????????

Linux??????

# ufw????IP?????????????????????

## ?

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1. ?????????????????????????????????IP?????????????????????????
2. ufw?????????????
3. ???????/24?/16?????????????????
4. ??????????????????????
5. ??ufw?????????????????

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- ufw\_deny.sh

```
#!/bin/bash

while true; do
    # IP
    read -p "[ ]IP[ ]:" ip_address

    # 
    read -p "IP[ ]0/24[ ]1/16[ ]2[ ]0: " block_option

    # [ ]IP
    block_option=${block_option:-0}

    # 
    case $block_option in
        1) block_cidr="/24" ;;
        2) block_cidr="/16" ;;
        *) block_cidr="" ;;
    esac

    # 
    if [[ -n "$block_cidr" ]]; then
        if [[ $block_option == "1" ]]; then
```

```

# /24
network_address=$(echo $ip_address | cut -d'.' -f1-3)
# CIDR (/24)
cidr_notation="$network_address.0$block_cidr"
elif [[ $block_option == "2" ]]; then
# /16
network_address=$(echo $ip_address | cut -d'.' -f1-2)
# CIDR (/16)
cidr_notation="$network_address.0.0$block_cidr"
fi
else
cidr_notation="$ip_address"
fi

# 
echo ":"
echo "IP: $cidr_notation"

read -p "y/n: " confirm

# 
if [[ $confirm != "y" && $confirm != "Y" ]]; then
echo " "
exit 0
fi

# ufw
sudo ufw deny from "$cidr_notation"

# 
if [[ $? -ne 0 ]]; then
echo "ERROR: "
exit 1
fi

echo " "

# IP
read -p "IP y/n: " continue_blocking
if [[ $continue_blocking != "y" && $continue_blocking != "Y" ]]; then

```

```

        break
    fi
done

# ufw[ ]
sudo ufw reload

# [ ]
read -p "[ ]y/n: " check_status
if [[ $check_status == "y" || $check_status == "Y" ]]; then
    sudo ufw status numbered
fi

# [ ]
echo "IP[ ]"

```

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```
sudo bash ufw_deny.sh
```

1. ??????IP????????????
2. IPv4????????
3. ????(0)/24(1)????????/16(2)????????0/1/2????
4. ??y/n????????
5. y??ufw????IP????NW????????
6. ??IP????y/n????????
7. ???????y/n????y??ufw????????
8. n??ufw????????

Linux??????

# MySQL????????????????????

## ??

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????????MySQL????????????????????????????

????????DB????????

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- ?????DB????????????????????
- ?????????????????????????????
- cron????????????????????????????

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- Ubuntu 24.04
- MySQL 8.0.39

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???????? db\_account.txt ?????DB????????????????

```
[client]
user = db_user
password = "password"
```

- ?????400????(chmod 400 db\_account.txt )
- ?????????

????DB???

1. ?????
2. ???????

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- ?????????(?)
  - mysql\_db\_backup.sh

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```
#!/bin/bash

## ##### ##

# $HOME#####

HOME_DIR="/home/hoge"

# SQL#####(##)#####

backup_dir="/path/to/backup/directory"

# #####

keep_days=7

# #####/#####/#####

current_date=$(date +%Y%m%d)

backup_name="backup_mysql_${current_date}"

zip_file="backup_mysql.${current_date}.zip"

# #####

credentials_file="${HOME_DIR}/script/config/db_account/db_account.txt"

# #####

password_dir="${HOME_DIR}/dbrestore_password"

password_file="${password_dir}/db-restore.${current_date}.txt"

# redmine#####

database_name=database

# #####

options="--defaults-extra-file=$credentials_file --no-tablespaces --single-transaction"

# #####

backup_file_pattern="backup_mysql*.zip"

# #####

password_file_pattern="*restore*.txt"

## ##### ##

## ##### ##
```

```

# 1. [redacted]400 [redacted]
# 400 [redacted]
permissions=$(stat -c "%a" "$credentials_file")
if [ "$permissions" != "400" ]; then
echo "[redacted]400 [redacted]"
exit 1
fi

# 2. [redacted]
mkdir "${backup_dir}/${backup_name}"

# 3. mysqldump [redacted]
mysqldump $options -h localhost $database_name > "${backup_dir}/${backup_name}/${backup_name}.sql"

# 4. [redacted]
password=$(openssl rand -base64 12)
cd "${backup_dir}/${backup_name}"
zip -r "${backup_dir}/${zip_file}" -P "$password" .
cd -

# 5. [redacted]
rm -rf "${backup_dir}/${backup_name}"

# 6. [redacted]
echo $password > $password_file

# 7. [redacted]600 [redacted]
chmod 600 $password_file

# 8. [redacted]
find "$backup_dir" -name "$backup_file_pattern" -type f -mtime +$keep_days -delete
find "$password_dir" -name "$password_file_pattern" -type f -mtime +$keep_days -delete

## [redacted] ##

```

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```
chmod +x mysql_db_backup.sh
```

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```
./mysql_db_backup.sh
```

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- 1. ?????????????????????mysql\_dump??????????????
- 2. ?????????????????zip????????????
- 3. ?????????????????????????????????????????????
- 4. ?????????????????????????????????????????????

??????DB??

```
unzip backup_mysql.yyyymmdd.zip
```

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

```
db-restore.yyyymmdd.txt ?????????????????
```

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```
unzip -P $(cat /path/to/password_file.txt) /path/to/zip_file.zip -d /path/to/output_directory
```

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

cron??

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```
crontab -e -u hoge
```

?cron??????

```
0 2 * * * /home/hoge/script/directory/mysql_db_backup.sh
```

????????????DB????????????