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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. ???????

????????????????(wasabi)????????

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```

# 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
```

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```
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????????????