

# Ubuntu 20.04/22.04

ssh-keygen

## SSH

UbuntuOSSSH

```
sudo apt install ssh
```

## SSH

ssh-keygen

```
ssh-keygen -t ed25519
```

- Enter~/home/hoge/.ssh/
- 

## SSH

- 
- 
- 

```
cd .ssh
```

- 

```
ls -l
```

ssh-keygen

1. id\_ed25519
2. id\_ed25519.pub

ssh-keygenscp

## ssh-keygen

ssh-keygenauthorized\_keys

- 

```
mv id_ed25519.pub authorized_keys
```

- ????????

```
chmod 600 authorized_keys
```

????

?????????????id\_ed25519?SSH?????????????????????????

SSH???????????

- SSH???????????

```
sudo cp -pi /etc/ssh/sshd_config /path/to/backup/directory/sshd_config.$(date +%Y%m%d)
```

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

- ????????

```
diff -u /etc/ssh/sshd_config /path/to/backup/directory/sshd_config.$(date +%Y%m%d)
```

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

- ????????

```
sudo sed -i -e 's/^#PasswordAuthentication yes/PasswordAuthentication no/' -e 's/^#PermitEmptyPasswords no/PermitEmptyPasswords no/' /etc/ssh/sshd_config
```

- ????

```
diff -u /etc/old/sshd_config.$(date +%Y%m%d) /etc/ssh/sshd_config
```

- ??

```
-#PasswordAuthentication yes
-#PermitEmptyPasswords no
+PasswordAuthentication no
+PermitEmptyPasswords no
```

- SSH??

????????????SSH????????????????????

```
sudo systemctl restart ssh.service
```

SSH??????

1. ????????????????

2. ?????SSH????????????
3. ?????????????????????

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

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```
sudo apt update && sudo apt upgrade
```

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

```
sudo reboot
```

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

Ubuntu?OS??????? hoge.example.com ??????

```
uname -n
```

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

```
sudo hostnamectl set-hostname hoge.example.com
```

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

???

```
uname -n
```

hoge.example.com??????

????????

????????

```
hoge@hoge$
```

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

- ??????.bashrc??

```
cat << __EOF__ | tee -a ~/.bashrc
```

```
PS1="[u@\H \W]\\$ "
```

```
# [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
```

```
if [ "$PS1" ]; then
    if [ "$(id -u)" -eq 0 ]; then # root[ ]
        PS1='\[e[0;31m\][\u@\H \W]#\[e[0m\] '
    else # [ ]
        PS1='\[e[0;32m\][\u@\H \W]\$\[e[0m\] '
    fi
fi
__EOF__
```

- root

Ubuntu??.bashrc????????????????????

```
sudo su -
```

```
cat << __EOF__ | tee -a ~/.bashrc
PS1="[\u@\H \W]\$ "

# [ ]

if [ "$PS1" ]; then
    if [ "$(id -u)" -eq 0 ]; then # root[ ]
        PS1='\[e[0;31m\][\u@\H \W]#\[e[0m\] '
    else # [ ]
        PS1='\[e[0;32m\][\u@\H \W]\$\[e[0m\] '
    fi
fi
__EOF__
```

????SSH????????????????????

1. ??? [hoge@hoge.example.com~]\$ ??????????????????
2. ??? [root@hoge.example.com~]# ??????????root?

## aptitude??????

????????????????????apt????aptitude??????

```
sudo apt install aptitude
```

Revision #2

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