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- [F.A.Q](#)
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???? spd-say

spd-say "Hello"
echo "Runing your program, when done it will play an audio." && sleep 10 && spd-say "Done"

??? ufw
??

sudo apt-get install ufw
sudo ufw status

?? SSH & XRDP

sudo ufw allow 22
sudo ufw allow 3389

?????????

sudo ufw allow from 192.168.1.0/24

???????/??

sudo ufw --force enable
sudo ufw --force disable

????

> sudo ufw status numbered

Status: active

To Action From
-- ------ ----
[1] 22 ALLOW IN Anywhere
[2] 3389 ALLOW IN Anywhere

> sudo ufw delete 1

?????? LAMP ??

sudo apt-get install tasksel
sudo tasksel
>> ?? LAMP

????
sudo tasksel install lamp-server

??????

??????????
tasksel --list-task

?????
tasksel install <task>

??????????

apt-get install build-essential

?? Java Run Time
for Ubuntu 13.04

JRE Download: <u>http://www.oracle.com/technetwork/ja...ads/index.html</u>

Ubuntu 14.04/Mint)

sudo add-apt-repository ppa:openjdk-r/ppa
sudo apt-get update
sudo apt-get install openjdk-8-jdk

Ubuntu 13.04)

sudo tar xzf jdk-7u60-linux-i586.tar.gz -C /usr/lib/jvm

sudo chown -R root:root /usr/lib/jvm/jdk1.7.0_60/

sudo update-alternatives --install "/usr/bin/java" "java" "/usr/lib/jvm/jdk1.7.0_60/bin/java" 1
sudo update-alternatives --install "/usr/bin/javac" "javac" "/usr/lib/jvm/jdk1.7.0_60/bin/javac" 1
sudo update-alternatives --install "/usr/bin/javaws" "javaws" "/usr/lib/jvm/jdk1.7.0_60/bin/javaws" 1

sudo update-alternatives --config java
???? java??? /usr/bin/java?? 2 ????

  ??   ??   ??? ??
----
* 0   /usr/lib/jvm/java-8-oracle/jre/bin/java 2   ????

```
1        /usr/lib/jvm/java-8-oracle/jre/bin/java  2      ????
2        /usr/lib/jvm/jdk1.7.0_60/bin/java        1      ????
```

? [enter] ?????? [*]?????????2
??
sudo update-alternatives --set java /usr/lib/jvm/jdk1.7.0_60/bin/java

cd /usr/lib/mozilla/plugins/
sudo rm libjavaplugin.so
sudo ln -s /usr/lib/jvm/jdk1.7.0_60/jre/lib/i386/libnpjp2.so

for Ubuntu 12

sudo apt-get purge openjdk*
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java7-installer

for Ubuntu 10, 11

sudo add-apt-repository ppa:sun-java-community-team/sun-java6
sudo apt-get update
sudo apt-get install sun-java6-jre sun-java6-bin sun-java6-jdk

? /home ???? .gvfs ??????

umount /home/alang/.gvfs
rm -f /home/alang.gvfs

?? Apache/HTTPD
????/????

service apache2 start|stop|status

?????

- /etc/apache2???????????
- /etc/apache2/apache2.conf?Apache ?????
- /etc/apache2/httpd.conf?Apache ????????????????
- /etc/apache2/envvars??? Apache ???????
- /etc/apache2/sites-enabled/000-default??????????????????????????????????
- /etc/apache2/sites-available/default??????????

??????

echo "your.host.name" > /etc/hostname
/etc/init.d/hostname restart

??/etc/init.d/hostname ????? Ubuntu 11+ ???

????

; ???????
addgroup --system mygroup
adduser --system --ingroup mygroup --home /this/is/user/home --no-create-home myuser

; ????
delgroup mygroup

; ??????? video
sudo usermod -a -G video alang

; ??????????????????????????????????
$> newgrp <group-name>

; ????????????????
$> groups
$> groups <user-name>

???????
??????)

dpkg-reconfigure tzdata

TIP:

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

    ???????? apt-get install tzdata

? ????? user

tzselect

???????? .profile?

Service/Daemon ????
????

update-rc.d <service name> defaults
update-rc.d <service name> defaulte 80 20 (80 ?????20 ????)

????

update-rc.d -f <service name> remove

????????

service --status-all

???????? sysv-rc-conf

apt-get install sysv-rc-conf

apt-get/dpkg ????
???

- https://www.cyberciti.biz/faq/ubuntu...mand-examples/
- http://www.cyberciti.biz/tips/linux-...eat-sheet.html
- http://www.tecmint.com/useful-basic-...ge-management/

// dpkg ??

????????
dpkg -l

???????????
dpkg -L <package name>

???????????????
dpkg -S <path to command>

????????
dpkg -s <package name>

// apt-get ??

???????
apt-get update

????
apt-get install <package-name>
apt-get build-dep <package-name> ;??????????????
apt-get -s install <package-name> ; ????

????????????????
apt-get autoremove <package-name>

??????
apt-get purge <package-name>

??????
apt-get update
dpkg -i <package-name>.deb
NOTE: ???????????????
apt-get -f install

????? Changelog
apt-get changelog <package-name>

// apt-cache ??

apt-cache search <package-name>
apt-cache show <package-name>
apt-cache showpkg <package-name>

????????
apt-cache depends <package-name>

// ????

?? GPG Key
apt-key list

???????/??
apt-mark hold glusterfs*

// ?? proxy ????
????

export http_proxy=http://username:password@proxy.server.net:port/
; ?? Windows AD ??, ???????
export http_proxy=http://addomain\\username:password@proxy.server.net:port/

?????? /etc/apt/apt.conf???????

Acquire::http::proxy "http://192.168.1.1:3128/";
Acquire::https::proxy "https://192.168.1.1:3128/";
Acquire::ftp::proxy "ftp://192.168.1.1:3128/";
Acquire::socks::proxy "socks://192.168.1.1:3128/";

// ????????
Debian)
http://www.debian.org/mirror/mirrors_full#TW

deb http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free
deb-src http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free

Ubuntu)

deb http://tw.archive.ubuntu.com/ubuntu/ saucy main restricted
deb-src http://tw.archive.ubuntu.com/ubuntu/ saucy main restricted

????? Repository ????????????????????old-releases.ubuntu.com

deb http://old-releases.ubuntu.com/ubuntu/ karmic main restricted

// Downgrade the package

Search for the older version of the Firefox
apt-cache showpkg firefox

Downgrade to the specified version
apt-get install firefox=59.0.2+build1-0ubuntu1

Q: GPG error: http://apt.insynchq.com rosa InRelease: The following signatures were invalid: KEYEXPIRED
1473479811
Solution:

$> apt-key list | grep expired

pub   2048R/ACCAF35C 2012-09-10 [expired: 2016-09-10]

$> sudo apt-key adv --recv-keys --keyserver keys.gnupg.net ACCAF35C

?? GPG Key
$> sudo apt-key del ACCAF35C

Q: GPG error: http://repository.spotify.com testing InRelease: The following signatures couldn't be verified
because the public key is not available: NO_PUBKEY A87FF9DF48BF1C90

Solution:

sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys A87FF9DF48BF1C90

Q: The Key of OpenSUSE is expired

Error:

GPG error: http://download.opensuse.org/reposit.../xUbuntu_18.04 InRelease: ???????
EXPKEYSIG 040524A84C70D8B5 graphics:darktable OBS Project
<graphics:darktable@build.opensuse.org>
W: ???? http://download.opensuse.org/reposit...8.04/InRelease???????? EXPKEYSIG

040524A84C70D8B5 graphics:darktable OBS Project <graphics:darktable@build.opensuse.org>

Solution:

```
$> apt-key list | grep -A 1 expired
$> apt-key list | grep -A 1 ??
```

Warning: apt-key output should not be parsed (stdout is not a terminal)
```
pub   rsa4096 2018-01-05 [SC] [??: 2020-01-25]
    68AE AE71 F9FA 1587 03C1  CBBC 8D04 CE49 EFB2 0B23
uid        [ ??? ] Vivaldi Package Composer KEY04 <packager@vivaldi.com>

--
pub   rsa2048 2017-12-26 [SC] [??: 2020-03-05]
    3247 B751 9EDB EAB4 22E9  00A3 0405 24A8 4C70 D8B5
uid        [ ??? ] graphics:darktable OBS Project <graphics:darktable@build.opensuse.org>
```

```
$> sudo apt-key del 4C70D8B5  #specify last 8 characters
```

```
$> wget -nv http://download.opensuse.org/repositories/graphics:/darktable:/stable/xUbuntu_18.04/
Release.key -O Release.key
$> apt-key --keyring Release.key finger
$> sudo apt-key add - < Release.key
```

?? ipv6 ????
??????? Ubuntu 10.x ????????????????????????????????? ipv6 ?????????????

for Ubuntu 12/11/10/9)
// ???? ipv6 ???

```
# ip a | grep inet6

    inet6 ::1/128 scope host <==
    inet6 fe80::20c:29ff:fe10:f035/64 scope link <==
```

```
// ?? ipv6 ??
?????? /etc/sysctl.conf
```

```
#disable ipv6
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
```

??????

????????????? sysctl -p

for Ubuntu 8)

?? /etc/modprobe.d/blacklist

disable ipv6
blacklist ipv6

???????

for OpenSUSE)
???

- http://forums.opensuse.org/english/g...6-default.html

?? serial console ????
????
https://help.ubuntu.com/community/SerialConsoleHowto

???? (?? 8.x Lenny)

1. ?? /etc/inittab

????????????
T0:23:respawn:/sbin/getty -L ttyS0 115200 vt100

2. ?? /boot/grub/menu.lst

default   0

? default ???????
Enable console output via the serial port
serial --unit=0 --speed=115200 --word=8 --parity=no --stop=1
terminal --timeout=15 serial console

#
title   Debian GNU/Linux, kernel 2.6.26-2-686
root   (hd0,0)
kernel   /boot/vmlinuz-2.6.26-2-686 root=/dev/hda1 ro quiet console=tty0
console=ttyS0,115200n8
initrd   /boot/initrd.img-2.6.26-2-686

?? 9.x Karmic
?????https://help.ubuntu.com/community/SerialConsoleHowto

1. ?? upstart
?? /etc/init/ttyS0.conf

ttyS0 - getty
#

```
# This service maintains a getty on ttyS0 from the point the system is
# started until it is shut down again.

start on stopped rc or RUNLEVEL=[2345]
stop on runlevel [!2345]

respawn
exec /sbin/getty -L 115200 ttyS0 vt102
```

2. ?? GRUB
?? /etc/default/grub

```
# Uncomment to disable graphical terminal (grub-pc only)
GRUB_TERMINAL=serial
GRUB_SERIAL_COMMAND="serial --speed=115200 --unit=0 --word=8 --parity=no --stop=1"
```

? 8.10 ?? PPTP VPN Client
$sudo apt-get install network-manager-pptp pptp-linux

?? VPN ???
??????????????? VPN ?? -> VPN??

????<VPN ????>
??????????
?? -> ???????(??)

??????

$> lsb_release -a
$> cat /etc/lsb-release
$> cat /etc/debian_version
$> cat /proc/version
$> uname -a

?????

- Ubuntu?https://wiki.ubuntu.com/Releases
- Debian?https://www.debian.org/releases/

????
//?? IP address
$>sudo vi /etc/network/interfaces

```
auto eth0
iface eth0 inet static
address 10.1.1.201
netmask 255.255.255.0
network 10.1.1.0
```

```
broadcast 10.1.1.255
gateway 10.1.1.254
dns-nameservers 10.1.1.254   <== ??12.04+
dns-search my.domain.com  <== ?? 12.04+


$>sudo /etc/init.d/networking stop
$>sudo /etc/init.d/networking start
```

//?? Hostname
```
;???????
$>sudo /bin/hostname <newhost>
;????
$>sudo vi /etc/hostname
;? sysctl ???
$>sudo sysctl kernel.hostname
$>sudo sysctl kernel.hostname=<newhost>
```

//??DNS server ??
```
$>sudo vi /etc/resolv.conf


#domain my.domain
#search my.domain
nameserver 192.168.51.8
nameserver 192.168.51.13
```

??: 12.04 ?????????? resolv.conf????? interfaces?