

Elastix 安裝及設定

*操作方式，請用 **Tab** 鍵搭配方向鍵、空白鍵及 **ENTER** 鍵進行操作*

請至 <http://www.elastix.com/en/downloads/> 下載 Elastix2.5.0

1. 直接按 Enter



2. 選取安裝時顯示語言及相關設定



Welcome to Elastix

Keyboard Type

What type of keyboard do you have?

- sg-latin1
- sk-qwerty
- slovene
- sv-latin1
- trq
- ua-utf
- uk
- us**

<Tab>/<Alt-Tab> between elements | <Space> selects | <F12> next screen

Welcome to Elastix

Warning

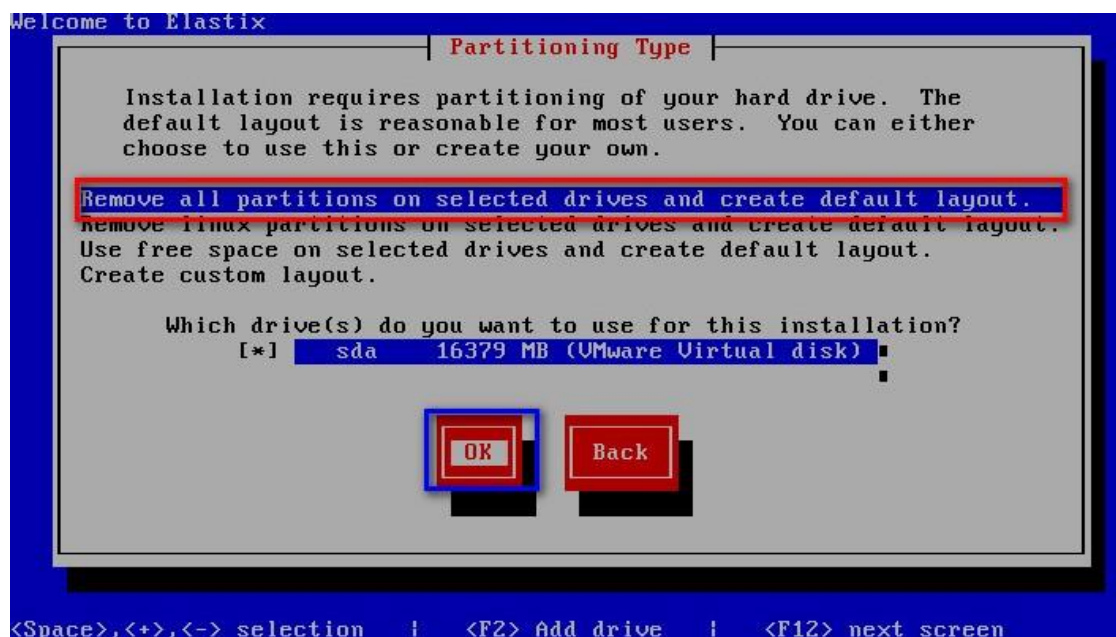
The partition table on device sda
(UMware Virtual disk 16379 MB)
was unreadable.
To create new partitions it must
be initialized, causing the loss
of ALL DATA on this drive.

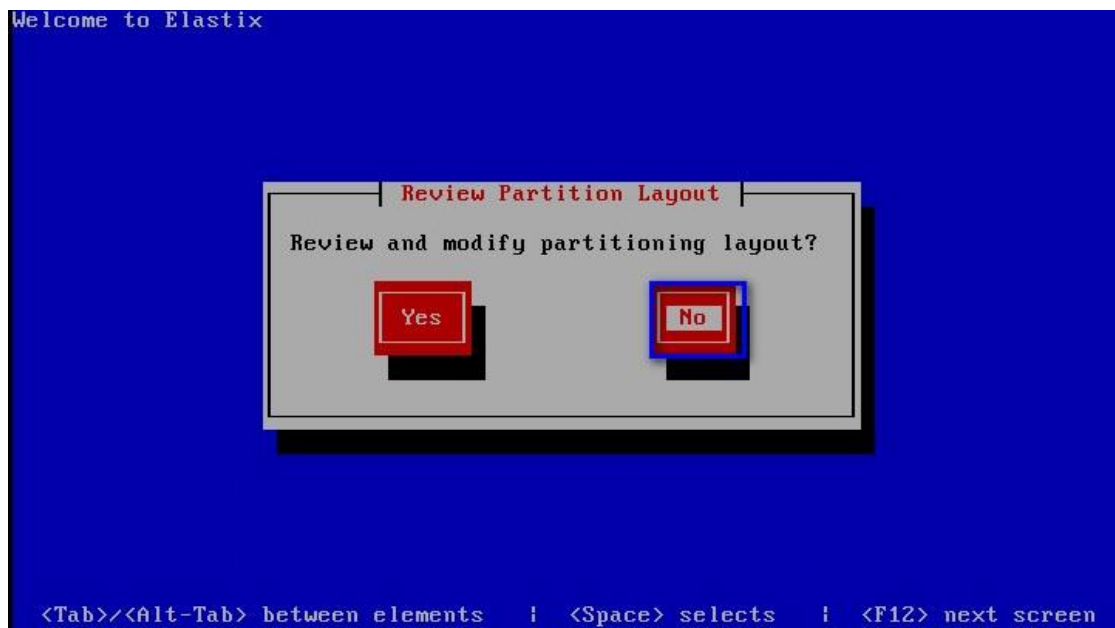
This operation will override any
previous installation choices
about which drives to ignore.

Would you like to initialize this
drive, erasing ALL DATA?

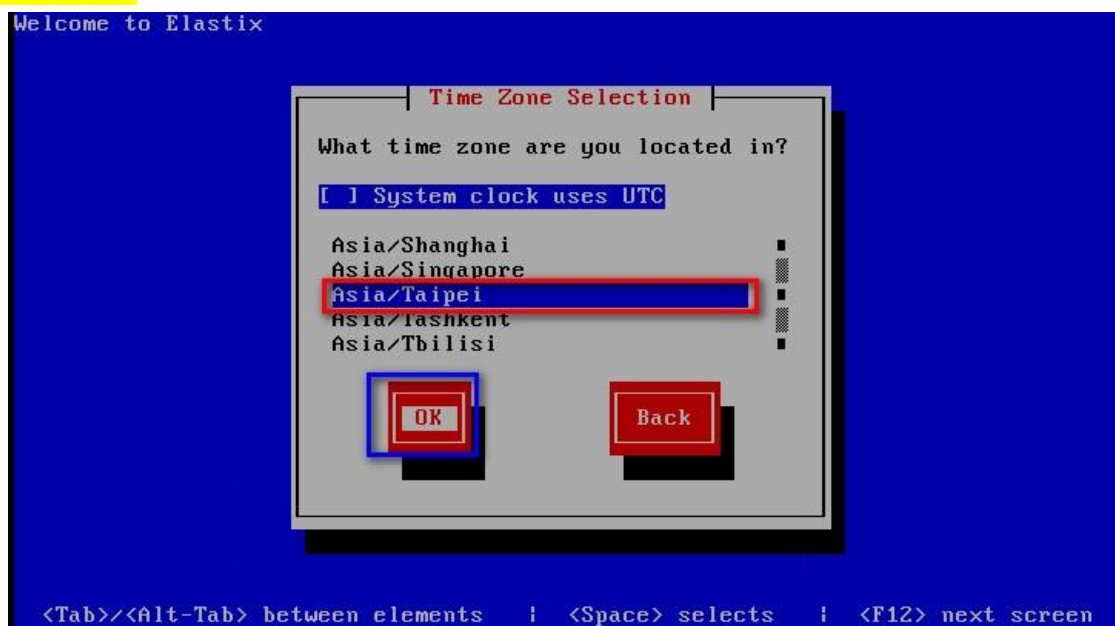
<Tab>/<Alt-Tab> between elements | <Space> selects | <F12> next screen

3. Disk 空間配置，這邊是全數都給 SIP 使用

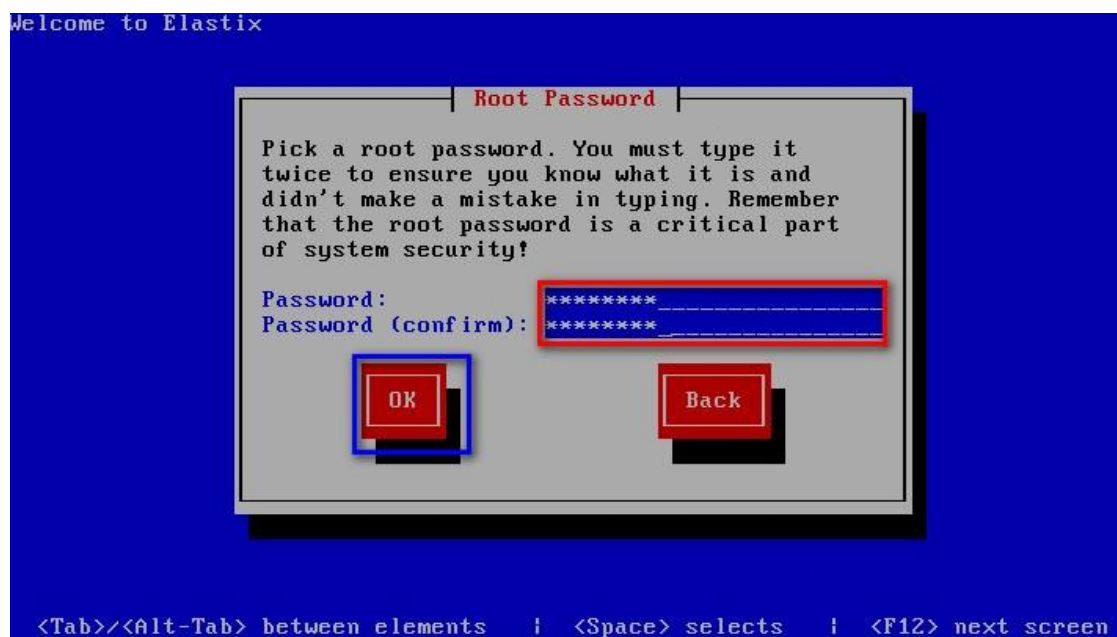




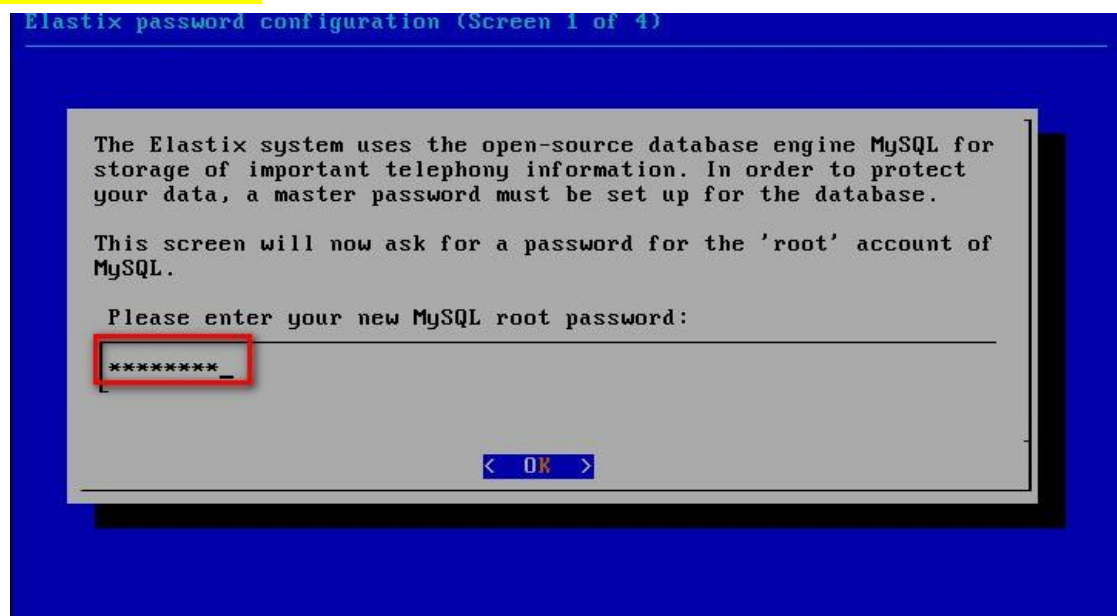
4. 選取時區



5. 設定 ssh 進 OS 層的密碼



6. 設定 mysql 的密碼



7. 設定登入 Elastix 網頁的密碼

Elastix password configuration (Screen 3 of 4)

Several Elastix components have administrative interfaces that can be used through the Web. A web login password must be set for these components in order to prevent unauthorized access to these administration interfaces.

This screen will now ask for a password for user 'admin' that will be used for: Elastix Web Login, FreePBX, VTiger, A2Billing and FOP.

Please enter your new password for freePBX 'admin':

*****_

< OK >

Elastix password configuration (Screen 4 of 4)

Please (re)confirm your new password for freePBX 'admin':

*****_

< OK >

8. 登入 Elastix 並確認網路設定，用 `ifconfig -a` 指令確認 eth 是否有拿到 IP

```
[root@SP ~]# ifconfig -a
eth0      Link encap:Ethernet  HWaddr 00:1D:60:B2:F8:93
          inet addr:10.2.1.199  Bcast:10.2.1.255  Mask:255.255.255.0
          inet6 addr: fe80::21d:60ff:feb2:f893/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:953219 errors:0 dropped:0 overruns:0 frame:0
          TX packets:1050978 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:670628575 (639.5 MiB)  TX bytes:744859981 (710.3 MiB)
          Interrupt:50  Memory:fe8c0000-fe8e0000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:749703 errors:0 dropped:0 overruns:0 frame:0
          TX packets:749703 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:124948183 (119.1 MiB)  TX bytes:124948183 (119.1 MiB)
```

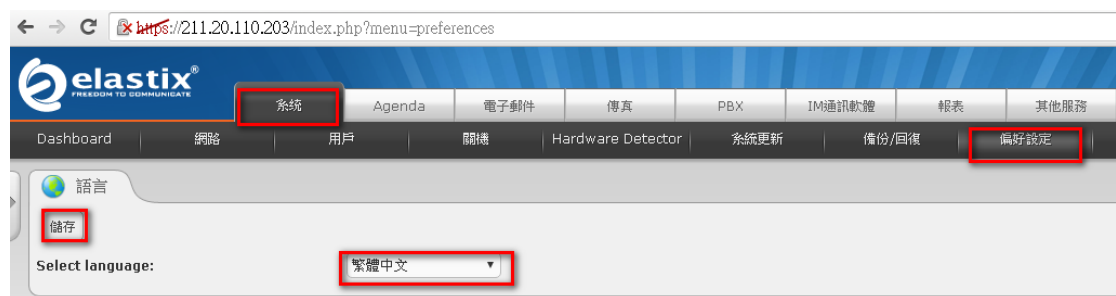
10. 新增繁中語系

```
#vi /var/www/html/lang/tw.lang
```

將檔案繁體中文的內容全部貼進 tw.lang 再存檔

```
# chmod 755 /var/www/html/lang/tw.lang
```

再登入 Web 修改語言



11. 更新

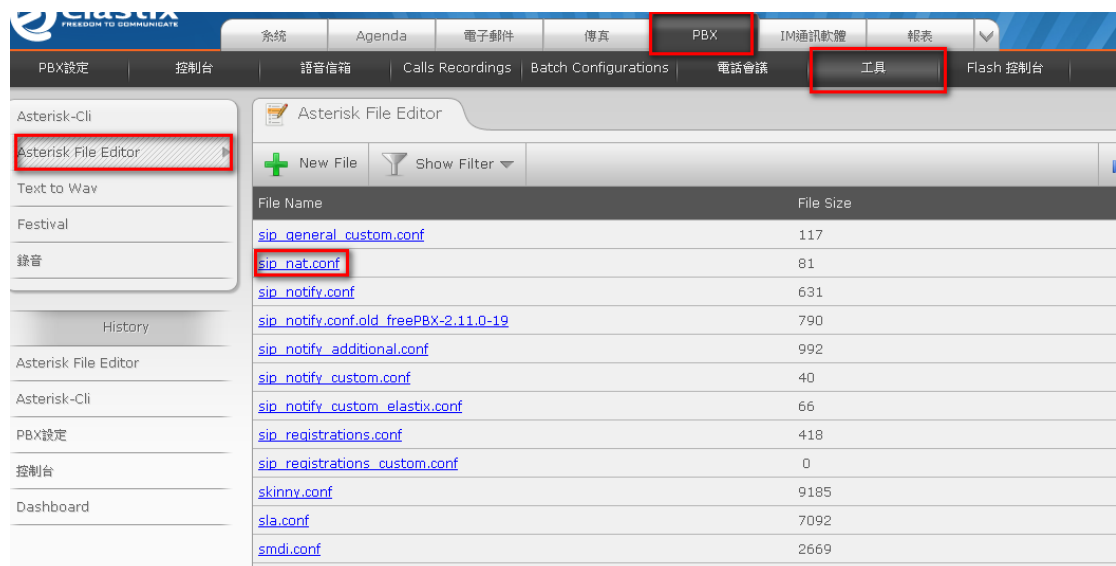
Update OS 及 Elastix

```
#yum update -y
```

```
# yum update -y elastix-*
```

12. NAT 設定(如果有請務必設定)

在 PBX 設定→工具→asterisk File Editor 修改 sip_nat.conf



加入以下設定

nat=yes

externhost=XXX.網域名.com.xx #非固定 IP 一定要設定

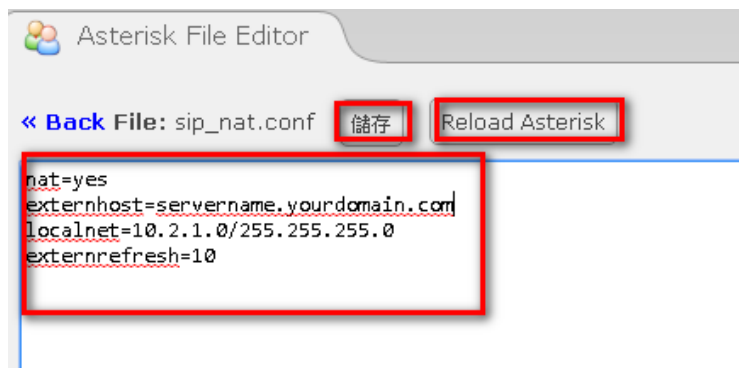
externaddr=外部 Public IP #非固定 IP 不必設定

localnet=10.2.1.0/255.255.255.0 #可設定多筆(內網)

localnet=172.29.1.0/255.255.255.0 #可設多筆(DMZ)

externrefresh=10

儲存→Reolad Asterisk



13. 開啟影像設定

在 PBX 設定→工具→asterisk File Editor 修改 sip_general_custom.conf

tcpenable=yes

tcpbindaddr=0.0.0.0

videosupport=yes

maxcallbitrate=384

allow=h263

allow=h261

allow=h263p

allow=h264



儲存→Reolad Asterisk

14. 帳號設定

PBX→PBX 設定→Add Extension→submit

Agenda

電子郵件

傳真

PBX

PBX設定

控制台

語音信箱

Calls Recordings

Batch Configurations

電話會議

工具

Extensions

Feature Codes

Outbound Routes

Trunks

Inbound Call Control

Inbound Routes

DAHDI Channel DIDs

Announcements

Blacklist

CallerID Lookup Sources

Call Flow Control

Follow Me

IVR

Queue Priorities

Queues

Ring Groups

Time Conditions

Time Groups

Internal Options & Configuration

Conferences

Add an Extension

Please select your Device below then click Submit

- Device

Device Generic SIP Device

Submit

User Extension

19888

分機號碼

Display Name

JamesPhone

顯示名稱

CID Num Alias

SIP Alias

- Extension Options

Outbound CID

Asterisk Dial Options

tr

☐ Override

Ring Time

Default

Call Forward Ring Time

Default

Outbound Concurrency Limit

No Limit

Call Waiting

Disable

Internal Auto Answer

Disable

Call Screening

Disable

Pinless Dialing

Disable

Emergency CID

Queue State Detection

Use State

- Assigned DID/CID

DID Description

Add Inbound DID

Add Inbound CID

- Device Options

This device uses sip technology.

secret

abc123

登入密碼

dtmfmode

RFC 2833

nat

No - RFC3581

Play Envelope	<input type="button" value="yes"/> <input type="button" value="no"/>
Delete Voicemail	<input type="button" value="yes"/> <input type="button" value="no"/>
VM Options	<input type="text"/>
VM Context	default
- VmX Locator	

VmX Locator™ ▼

Use When: ☐ unavailable ☐ busy

Voicemail Instructions: ☒ Standard Voicemail prompts.

Press 0: ☒ Go To Operator

Press 1:

Press 2:

- Optional Destinations

No Answer	<input type="button" value="Unavail Voicemail if Enabled"/> ▼
CID Prefix	<input type="text"/>
Busy	<input type="button" value="Busy Voicemail if Enabled"/> ▼
CID Prefix	<input type="text"/>
Not Reachable	<input type="button" value="Unavail Voicemail if Enabled"/> ▼
CID Prefix	<input type="text"/>
<input type="button" value="Submit"/>	

[Apply Config](#)

Add an Extension

Please select your Device below then click Submit

- Device

Device ▼

Add Extension

- test02 <000002>
- test04 <000004>
- Eason01 indoor <031>
- Eason02 lobby <032>
- Eason03 iphone <033>
- Eason04 PC <034>
- Eason05 outdoor <035>
- Eason06 home <036>
- Eason07 Android <037>
- Luke 1234 <1234>
- JamesPhone <19888>**
- james <28634>
- mobile phone <09010101010295>

This device uses sip technology.

secret	abc123
dtmfmode	RFC 2833
canreinvite	Yes
context	from-internal
host	dynamic
trustpid	Yes
sendrpid	No
type	friend
nat	Yes
port	5060
qualify	yes
qualifyfreq	60
transport	UDP Only
avpf	No
icesupport	No
dtlsenable	No
dtlsverify	No
dtlssetup	Incoming and Outgoing

Play Envelope

yes

no

Delete Voicemail

yes

no

VM Options

VM Context

default

- VmX Locator

VmX Locator™

Disabled

Use When:

☐ unavailable

☐ busy

Voicemail Instructions: ☒ Standard Voicemail prompts.

Press 0:

☒ Go To Operator

Press 1:

Press 2:

- Optional Destinations

No Answer

Unavail Voicemail if Enabled

CID Prefix

Busy

Busy Voicemail if Enabled

CID Prefix

Not Reachable

Unavail Voicemail if Enabled

CID Prefix

Submit

Apply Config

Add an Extension

Please select your Device below then click Submit

- Device

Device Generic SIP Device ▼

Submit

Add Extension

test02 <000002>

test04 <000004>

Eason01 indoor <031>

Eason02 lobby <032>

Eason03 iphone <033>

Eason04 PC <034>

Eason05 outdoor <035>

Eason06 home <036>

Eason07 Android <037>