



slackware  
linux

SLACKWARE

# การติดตั้ง

## แบ่ง Partition และกำหนด Type

```
Disk: /dev/sda
      Size: 50 GiB, 53687091200 bytes, 104857600 sectors
      Label: gpt, identifier: BFB68EDA-B358-A542-B31A-8F8B79FDE2A9

      Device           Start       End   Sectors   Size Type
      /dev/sda1        2048    100665343  100663296   48G Linux filesystem
>> /dev/sda2     100665344    104857566    4192223    2G Linux swap

Partition UUID: 6C62448D-5DE1-A346-AD86-BCE8522D96A5
Partition type: Linux swap (0657FD6D-A4AB-43C4-84E5-0933C84B4F4F)

[ Delete ] [ Resize ] [ Quit ] [ Type ] [ Help ] [ Write ]
[ Dump ]                                         Changed type of partition 2.
```

เลือก Quit > Continue

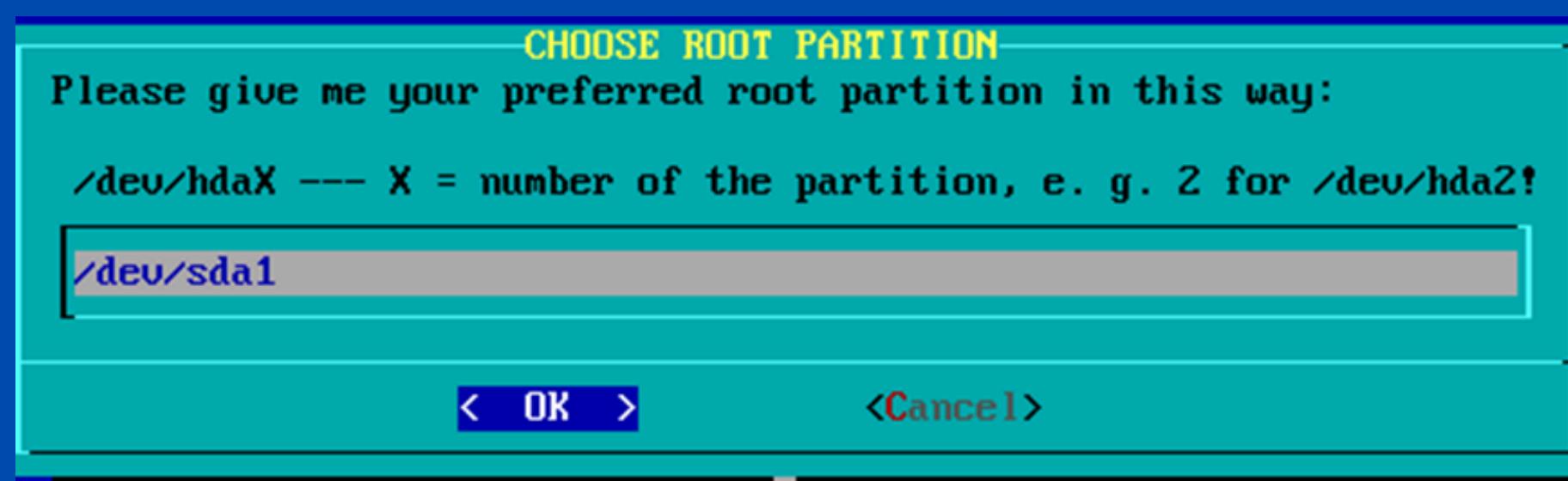


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## การติดตั้ง



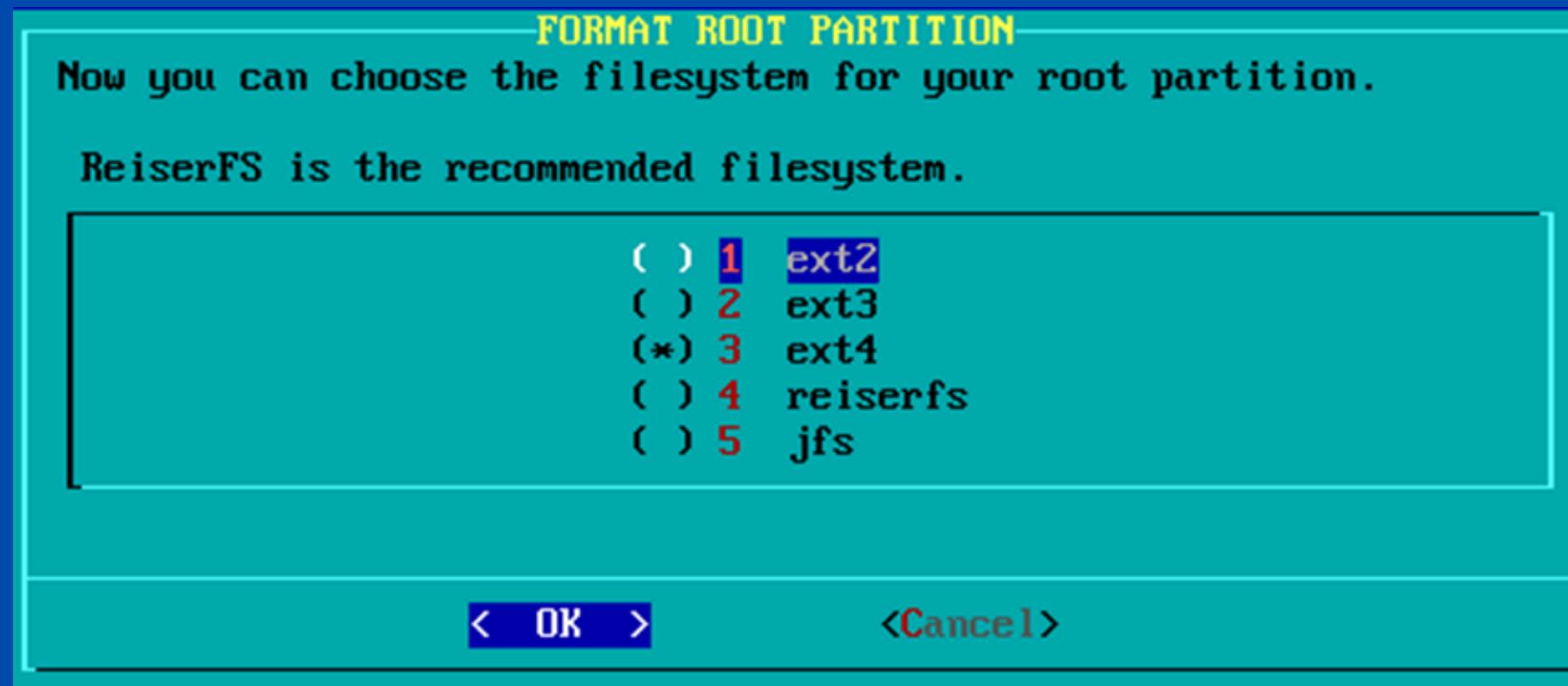
เลือก Yes เพื่อติดตั้งพาร์ติชัน swap



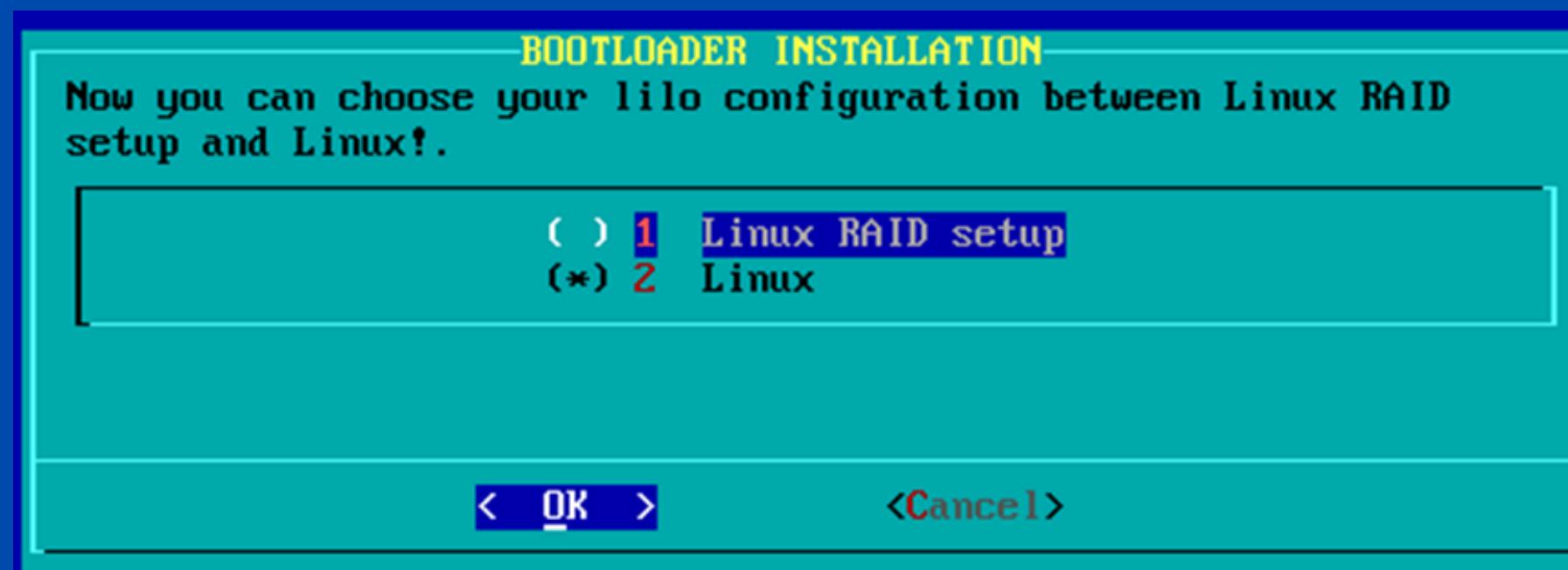
พิมพ์ /dev/sda1 หรือ กี่สีดูบนหน้าจอ ก่อนหน้า

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# การติดตั้ง



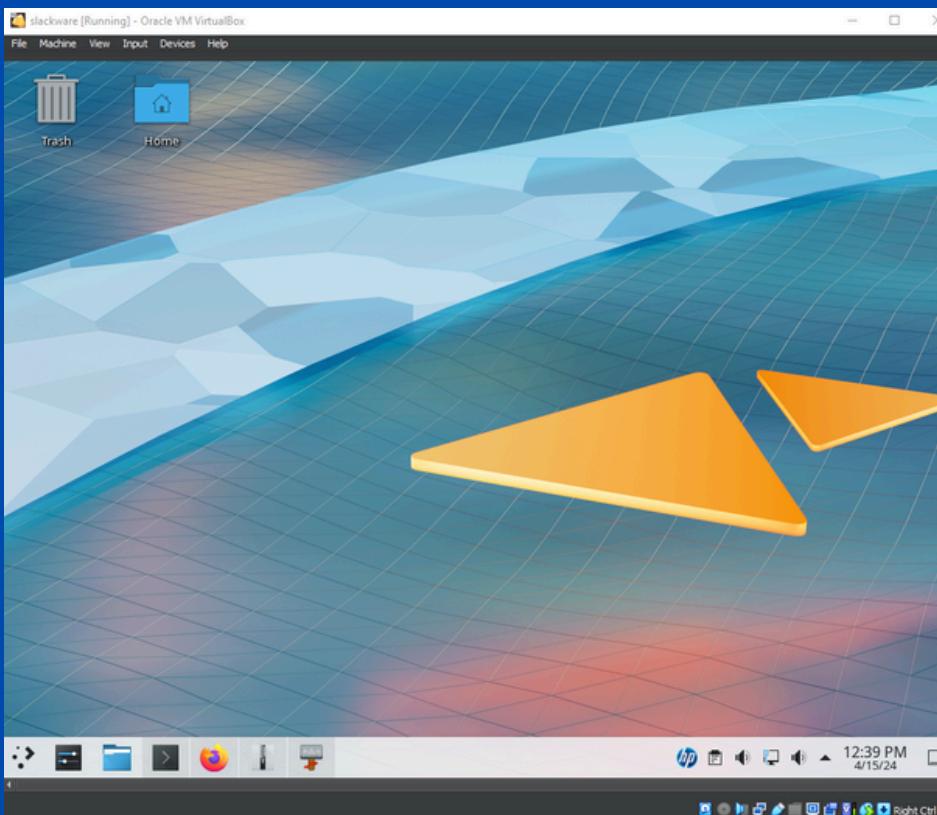
เริ่มต้นระบบไฟล์ ext4



กำหนดค่าตัวโหลดบูต ให้ Linux เริ่มต้นถูกเลือก

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## การติดตั้ง

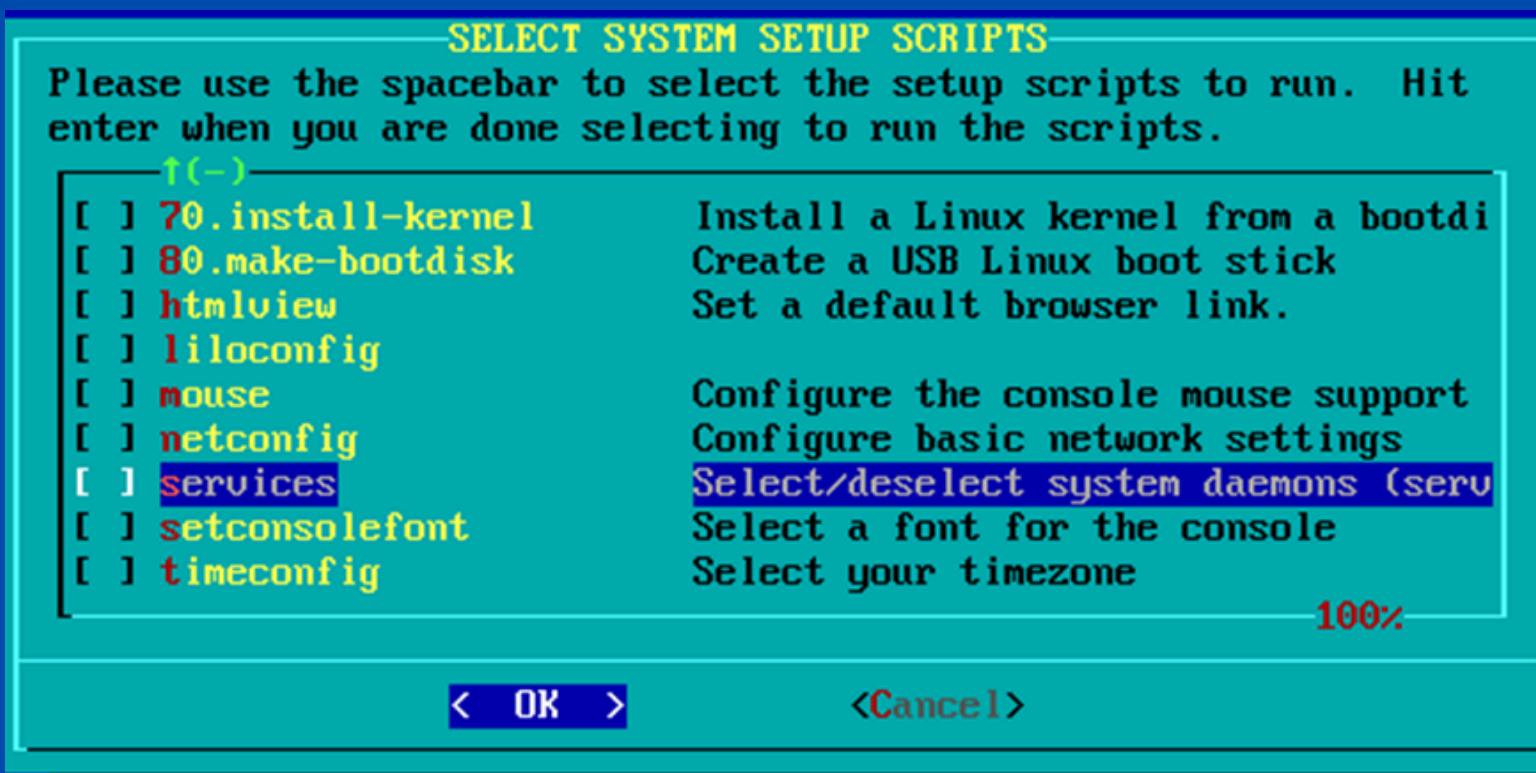
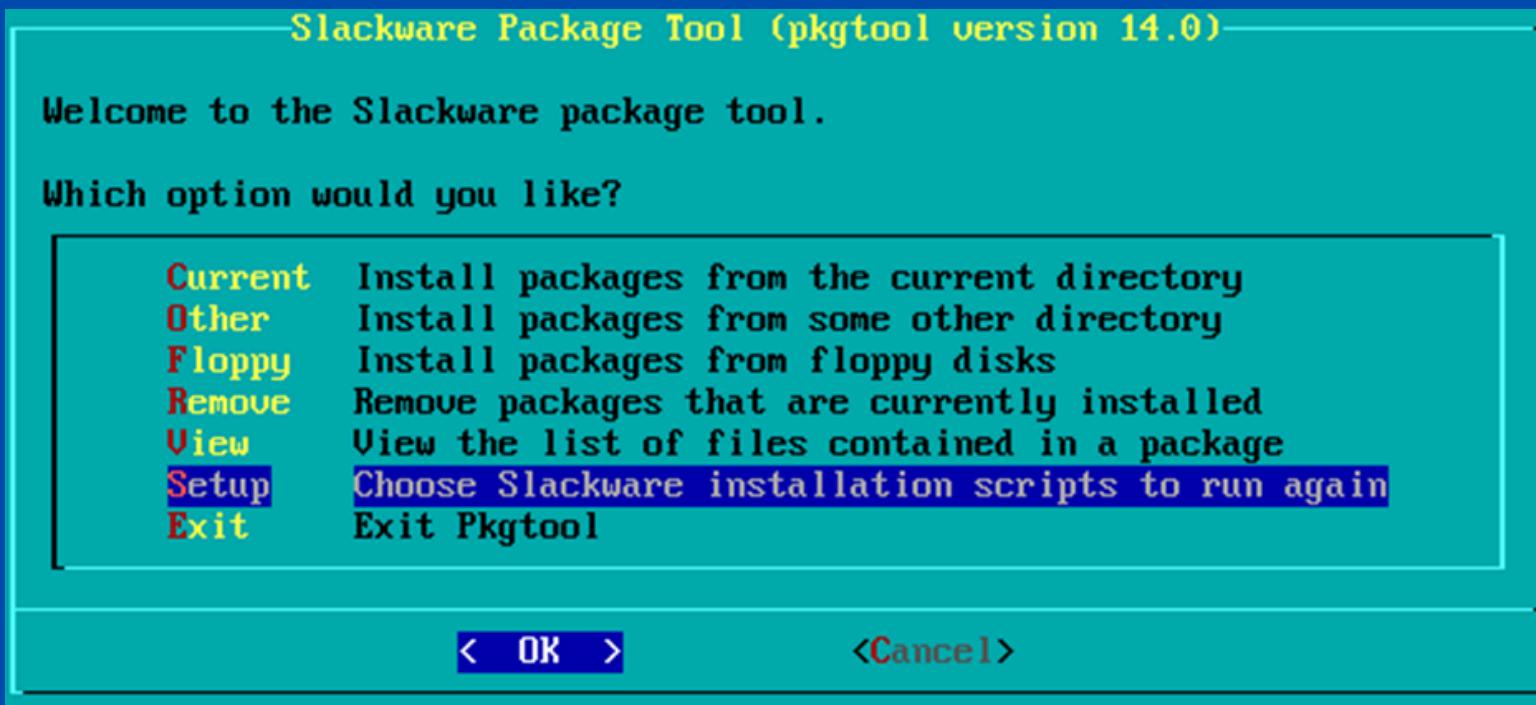


เมื่อการติดตั้งเสร็จ จะขึ้นหน้า  
command > พิมพ์ `reboot`

เมื่อ `reboot` เสร็จ เข้าสู่ระบบด้วย `root`  
ใช้คำสั่ง `startx` เพื่อเข้าสู่หน้า GUI

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# การติดตั้ง PKG



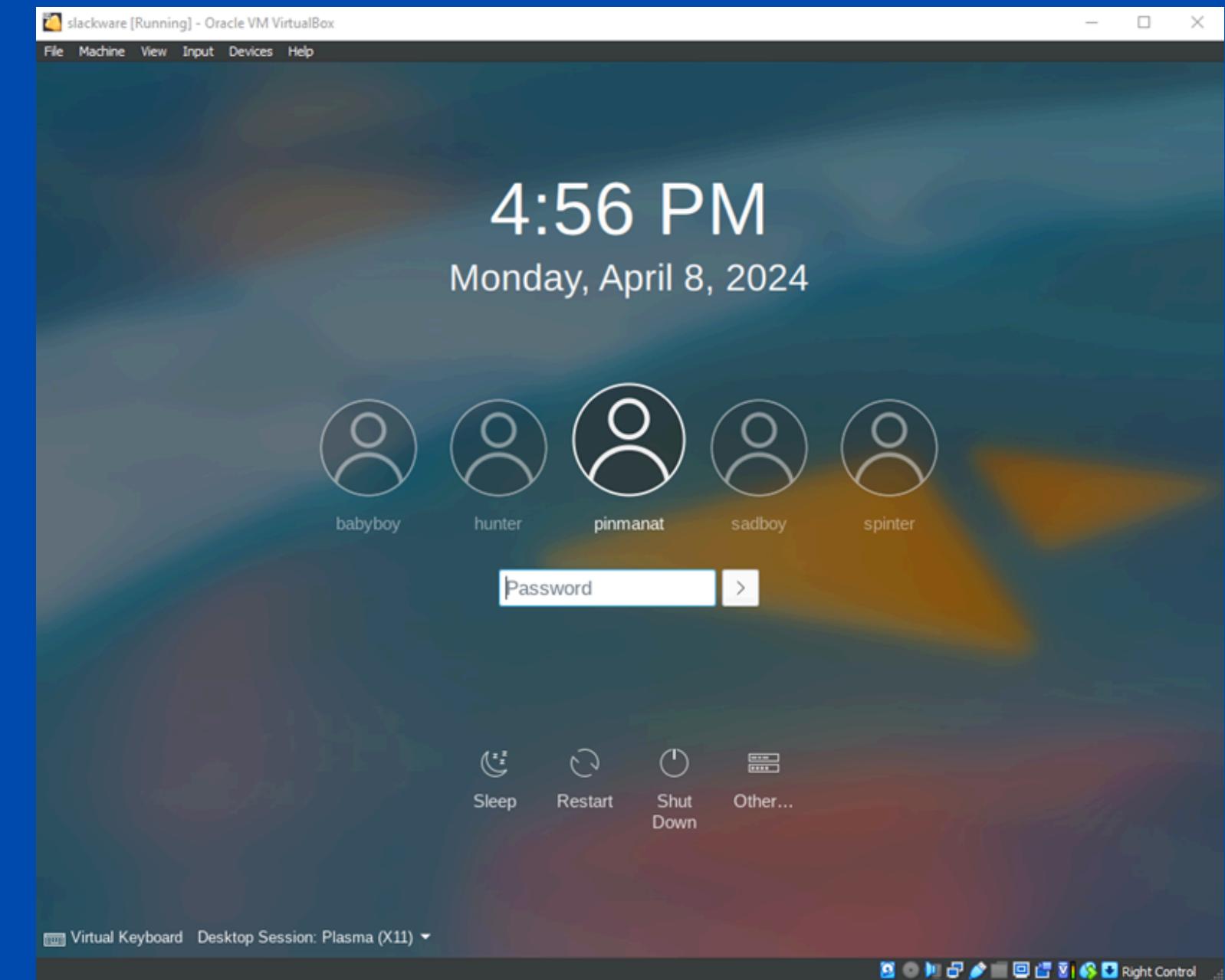
พิมพ์ pkgtool (ต้องเข้า root ก่อน)

เลือก Setup  
เลือกบริการที่ต้องการติดตั้ง

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# การเพิ่ม USER

**adduser** → กำหนดค่าต่างๆได้เอง  
**useradd** → ค่าต่างๆไม่สามารถกำหนดได้  
**passwd** → เปลี่ยนรหัสผ่าน



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**Slackpkg update → (ตั้งค่า slackpkg)**  
ลบ # ตัวที่ต้องการ update ออกในหน้า /etc/slackpkg/mirrors

```
GNU nano 6.0                               /etc/slackpkg/mirrors
# http://ftp.iinet.net.au/pub/slackware/slackware64-15.0/
# ftp://mirror.as24220.net/pub/slackware/slackware64-15.0/
# http://mirror.as24220.net/pub/slackware/slackware64-15.0/
# ftp://mirror.internode.on.net/.pub2/slackware/slackware64-15.0/
# http://mirror.internode.on.net/pub/slackware/slackware64-15.0/
# AUSTRIA (AT)
# http://gd.tuwien.ac.at/opsys/linux/freesoftware.com/slackware64-15.0/
# BELARUS (BY)
# ftp://mirror.datacenter.by/pub/slackware/slackware64-15.0/
```

**ใช้คำสั่ง slackpkg update gpg**

```
root@slackware:/home/pinmanat# slackpkg update gpg

      Getting key from https://www.slackware.com/infra/keys/GPG-KEY
      Slackware Linux Project's GPG key added

root@slackware:/home/pinmanat#
```

กำหนด ip

ใช้คำสั่ง

**sudo ifconfig eth0 down** → ปิดอินเทอร์เฟซ

**sudo ifconfig eth0 192.168.1.100 netmask 255.255.255.0 up** → ตั้งค่า IP Address

```
root@slackwarehost:~# ifconfig eth0 down
root@slackwarehost:~# ifconfig eth0 192.168.100.13 netmask 255.255.255.0 up
root@slackwarehost:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.100.13 netmask 255.255.255.0 broadcast 192.168.100.255
        inet6 fe80::a00:27ff:fe81:48dd prefixlen 64 scopeid 0x20<link>
          ether 08:00:27:81:48:dd txqueuelen 1000 (Ethernet)
            RX packets 63720 bytes 62323682 (59.4 MiB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 17195 bytes 1968074 (1.8 MiB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
      loop txqueuelen 1000 (Local Loopback)
        RX packets 711 bytes 53037 (51.7 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 711 bytes 53037 (51.7 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

# NETWORK

แบบแก้ไข file

/etc/rc.d/rc.inet1.conf

```
rc.d : vim — Konsole
File Edit View Bookmarks Plugins Settings Help
New Tab Split View

#
# Important note for IPv6 stateless auto configuration (SLAAC) users:
# From Slackware 15.0 onwards, you need to set USE_SLAAC[0]="yes" below.
# =====

# IPv4 config options for eth0:
IPADDRS[0]=""
USE_DHCP[0]="yes"
# IPv6 config options for eth0:
IP6ADDRS[0] ""
USE_SLAAC[0] ""
USE_DHCP6[0] ""
# Generic options for eth0:
DHCP_HOSTNAME[0] ""
```

```
# IPv4 config options for eth0:
IPADDRS[0]="192.168.100.23"
USE_DHCP[0]=""
# IPv6 config options for eth0:
IP6ADDRS[0] ""
USE_SLAAC[0] ""
USE_DHCP6[0] ""
# Generic options for eth0:
DHCP_HOSTNAME[0] ""
```

```
# IPv4 default gateway IP address:
GATEWAY="192.168.100.1"
# IPv6 default gateway IP address:
GATEWAY6=""
```

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# NETWORK

ใช้สำหรับการ restart เครือข่าย

/etc/rc.d/rc.inet1 restart

```
root@slackwarehost:~# /etc/rc.d/rc.inet1 restart
Stopping the network interfaces...
Starting the network interfaces...
```

```
root@slackwarehost:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.100.13 netmask 255.255.255.0 broadcast 192.168.100.255
        ether 08:00:27:81:48:dd txqueuelen 1000 (Ethernet)
        RX packets 15215 bytes 1346905 (1.2 MiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 2326 bytes 265455 (259.2 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.100.14 netmask 255.255.255.0 broadcast 192.168.100.255
        ether 08:00:27:88:0c:0e txqueuelen 1000 (Ethernet)
        RX packets 7010 bytes 538473 (525.8 KiB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 347 bytes 27157 (26.5 KiB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

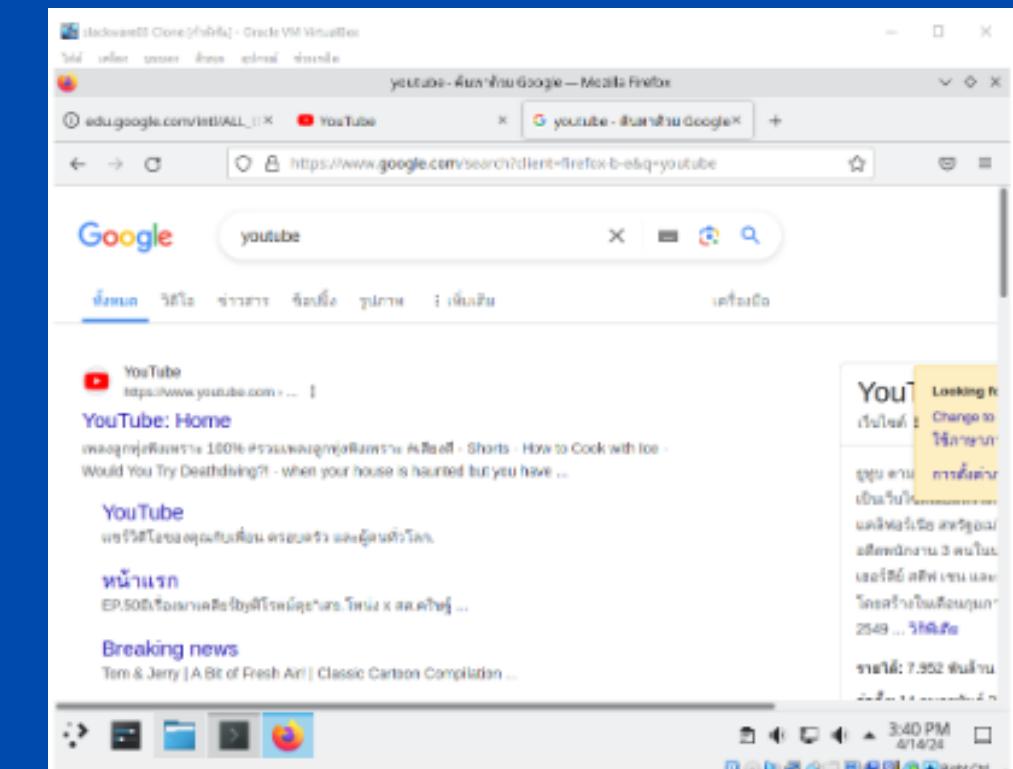
SLACKWARE

# NETWORK

ถ้าต้องการให้เข้าเน็ตได้ในกรณีที่ไม่ได้เซ็อม VPN

cd /etc/rc.d ถ้า ls ดูจะมีไฟล์ชื่อ rc.networkmanager  
เสร็จแล้ว chmod +x rc.networkmanager  
แล้วปิด vm เปิดขึ้นมาใหม่จะใช้เน็ตได้

```
root@slackwarehost:/etc/rc.d# ls
init.d/          rc.bluetooth*    rc.haveged*      rc.local*        rc.pcmcia      rc.sysvinit*
rc.0@           rc.cgconfig     rc.httpd*       rc.loop*        rc.php-fpm     rc.udev*
rc.4*            rc.cgred       rc.icecc-scheduler rc.lxc         rc.postfix     rc.ulogd*
rc.6*            rc.cpufreq*    rc.iceccd       rc.mcelog*     rc.pulseaudio rc.wireless*
rc.K*            rc.crond*     rc.icecream.conf  rc.messagebus* rc.rpc         rc.wireless.conf
rc.M*            rc.cups        rc.inet1*       rc.modules*    rc.samba       rc.yp
rc.S*            rc.cups-browsed rc.inet1.conf   rc.modules.local* rc.saslauthd  rc0.d/
rc.acpid*        rc.dnsmasq     rc.inet1.conf~  rc.networkmanager* rc.serial     rc1.d/
rc.alsa          rc.dovecot     rc.inet2*       rc.setterm*   rc.smartd     rc2.d/
rc.alsa-oss     rc.elogind*    rc.inett*       rc.nfsd       rc.snmpd     rc3.d/
rc.atalk         rc.font       rc.ip_forward  rc.nss-pam-ldapd rc.sshd*     rc4.d/
rc.atd*          rc.fuse*      rc.kadmind     rc.ntpd       rc.syslog*   rc5.d/
rc.autofs        rc.fuse3*     rc.kpropd      rc.openldap  rc.sysstat  rc6.d/
rc.bind*         rc.gpm*       rc.krb5kdc     rc.openvpn
root@slackwarehost:/etc/rc.d# nano rc.networkmanager
root@slackwarehost:/etc/rc.d# chmod +x rc.n
rc.networkmanager  rc.nfsd          rc.nss-pam-ldapd  rc.ntpd
root@slackwarehost:/etc/rc.d# chmod +x rc.networkmanager
```

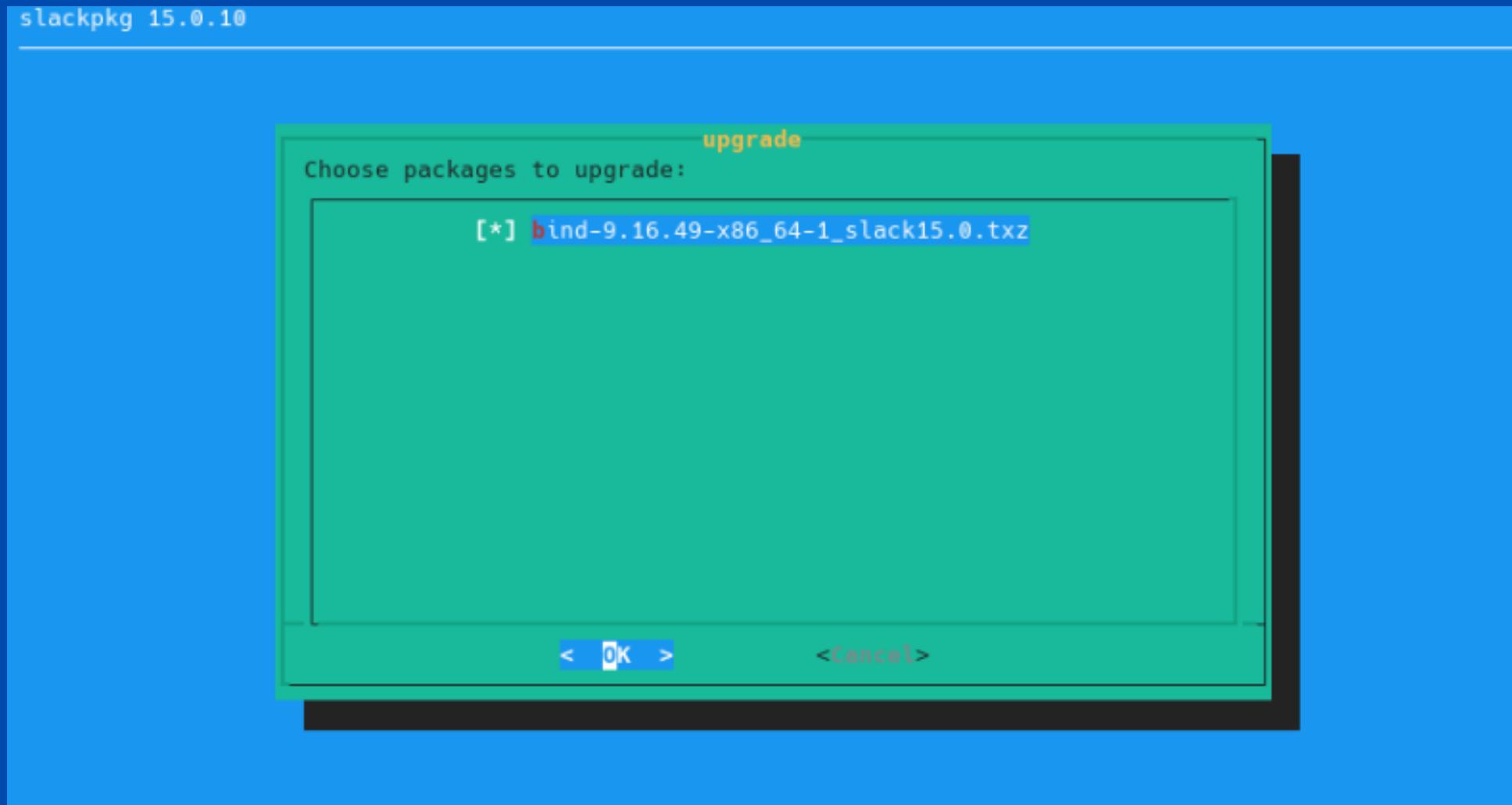


# SLACKWARE

DNS

Slackpkg update

Slackpkg upgrade bind



SLACKWARE

## Slackpkg search bind (ກໍາអັນຕີ Configure )

```
root@slackwarehost:/# slackpkg search bind

Looking for bind in package list. Please wait... DONE

The list below shows all packages with name matching "bind".

[ installed ] - bind-9.16.49-x86_64-1_slack15.0
[ installed ] - keybinder3-3.0_0.3.2-x86_64-3
[ installed ] - libindicator-12.10.1-x86_64-3
[ installed ] - rpcbind-1.2.6-x86_64-1

You can search specific files using "slackpkg file-search file".
```

# DNS

แตกไฟล์ bind ไว้ใน /etc/bind

cp db.moowan.com db.gonggang.com และแก้ไขไฟล์  
cp db.192.168.100 db.172.16.0 และแก้ไขไฟล์

ทำการย้ายไฟล์ไปยัง /var/named/caching-example

db.moowan.com

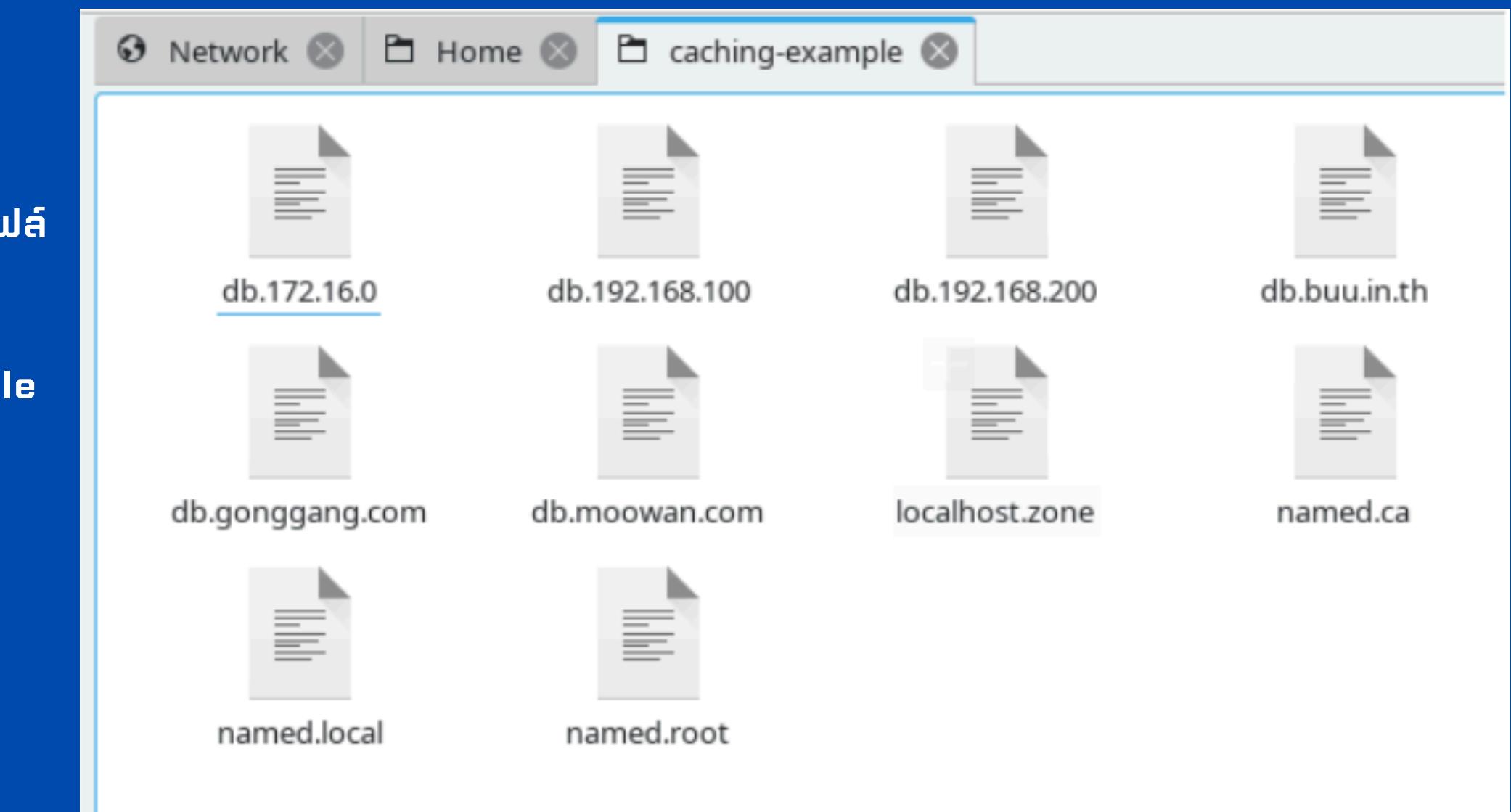
db.192.168.100

db.buu.in.th

db.192.168.200

db.gonggang.com

db.172.16.0



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ทำการเพิ่ม zone และแก้ไขที่อยู่ของไฟล์  
 nano /etc/named.conf

```
GNU nano 6.0                               /etc/named.conf
                                              type master;
                                              file "caching-example/db.moowan.com";
};

zone "100.168.192.in-addr.arpa" {
                                              type master;
                                              file "caching-example/db.192.168.100";
};

zone "buu.in.th" {
                                              type master;
                                              file "caching-example/db.buu.in.th";
};

zone "200.168.192.in-addr.arpa" {
                                              type master;
                                              file "caching-example/db.192.168.200";
};

zone "gonggang.com" {
                                              type master;
                                              file "caching-example/db.gonggang.com";
};
```

/etc/rc.d/rc.bind restart

nslookup → เพื่อทดสอบการเชื่อมต่อ

```
root@slackwarehost:~# /etc/rc.d/rc.bind restart
Stopping BIND: /usr/sbin/rndc stop
Starting BIND: /usr/sbin/named -u named
root@slackwarehost:~# nslookup
> server localhost
Default server: localhost
Address: ::1#53
Default server: localhost
Address: 127.0.0.1#53
> www.gonggang.com
Server:      localhost
Address:      ::1#53

Name:   www.gonggang.com
Address: 172.16.0.3
> chinjung.gonggang.com
Server:      localhost
Address:      ::1#53

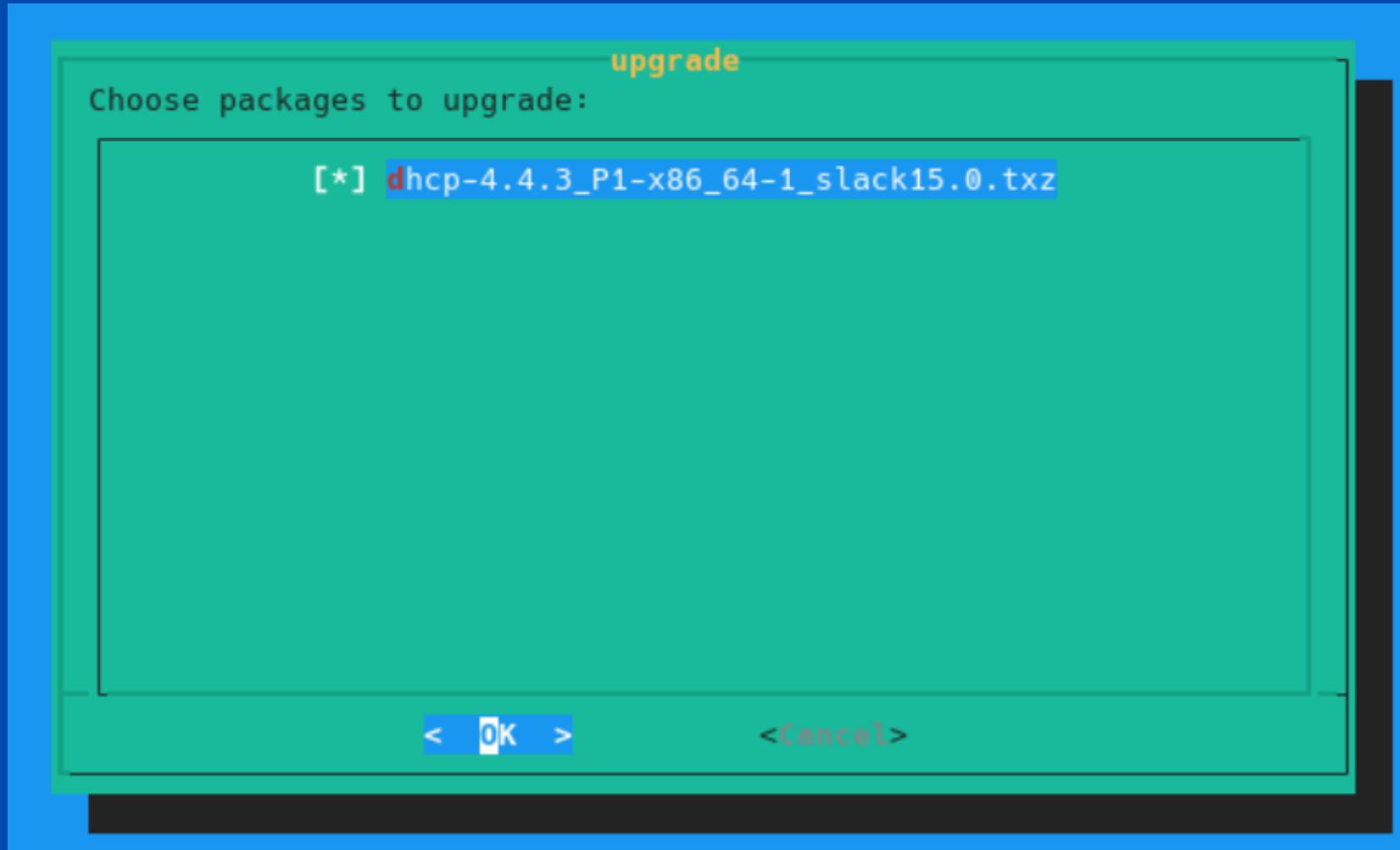
Name:   chinjung.gonggang.com
Address: 172.16.0.4
> 192.168.100.4
4.100.168.192.in-addr.arpa    name = chinjung.moowan.com.
> 192.168.200.5
5.200.168.192.in-addr.arpa    name = meepooh.buu.in.th.
> ss
```

```
root@slackwarehost:~# nslookup
> server localhost
Default server: localhost
Address: ::1#53
Default server: localhost
Address: 127.0.0.1#53
> gw.gonggang.com
Server:      localhost
Address:      ::1#53

Name:   gw.gonggang.com
Address: 172.16.0.1
> 172.16.0.4
4.0.16.172.in-addr.arpa name = chinjung.gonggang.com.
>
```

# DHCP

## Slackpkg upgrade dhcp



## Slackpkg search dhcp

```
root@slackwarehost:~# slackpkg search dhcp
Looking for dhcp in package list. Please wait... DONE
The list below shows all packages with name matching "dhcp".
[ installed ] - dhcp-4.4.3_P1-x86_64-1_slack15.0
[ installed ] - dhcpcd-9.4.1-x86_64-1

You can search specific files using "slackpkg file-search file".
```

SLACKWARE

# DHCP

## dnsmasq ශේමු dhcp-server

```
root@slackwarehost:~# /etc/rc.d/rc.dnsmasq restart
Stopping dnsmasq.
Starting dnsmasq: /usr/sbin/dnsmasq
dnsmasq: failed to create listening socket for port 53: Address already in use
```

```
GNU nano 6.0                                     dnsmasq.conf
# (53). Setting this to zero completely disables DNS function,
# leaving only DHCP and/or TFTP.
port=5353
```

```
root@slackwarehost:~# /etc/rc.d/rc.dnsmasq restart
Stopping dnsmasq.
Starting dnsmasq: /usr/sbin/dnsmasq
```

SLACKWARE

# DHCP

## dhcpd.conf

```
GNU nano 6.0                                         dhcpd.conf
include "/etc/dhcp.key";
# dhcpd.conf
#
# Configuration file for ISC dhcpcd (see 'man dhcpcd.conf')
#
# option definitions common to all supported networks...
option domain-name "gonggang.com";
option domain-name-servers 192.168.100.1;

default-lease-time 2880;
max-lease-time 14400;
ddns-updates on;
ddns-update-style standard;
zone gonggang.com
{
    primary 192.168.100.1;
    key dhcp.gonggang.com;
}
zone 100.160.192.in-addr.arpa.
{
    primary 192.168.100.1;
    key dhcp.gonggang.com;
}

# A slightly different configuration for an internal subnet.
subnet 192.168.100.1 netmask 255.255.255.0 {
    range 192.168.100.101 192.168.100.200;
    option domain-name-servers 192.168.100.1;
    option domain-name "gonggang.com";
    option broadcast-address 192.168.100.255;
    option routers 192.168.100.1;
}
```

SLACKWARE

# DHCP

(genkey)

```
cd /var/named/caching-example  
#ddns-confgen -k dhcp.gonggang.com  
#nano dhcp.key
```

```
GNU nano 6.0                                         dhcp.key  
key "dhcp.gonggang.com" {  
    algorithm hmac-sha256;  
    secret "Vx450f0kpK0m6Fkouoq6ElMaj2+Wagko98h4DTcThcs=";  
};
```

```
#chown root.named dhcp.key
```

```
root@slackwarehost:/var/named/caching-example# ls -l  
total 44  
-rw-r--r-- 1 named named 739 Apr 12 15:48 db.172.16.0  
-rw-r--r-- 1 named named 729 Apr 12 15:49 db.192.168.100  
-rw-r--r-- 1 named named 721 Apr 12 15:49 db.192.168.200  
-rw-r--r-- 1 named named 777 Apr 12 15:49 db.buu.in.th  
-rw-r--r-- 1 named named 774 Apr 12 15:48 db.gonggang.com  
-rw-r--r-- 1 named named 784 Apr 12 15:49 db.moowan.com  
-rw-r--r-- 1 named named 123 Apr 13 01:51 dhcp.key  
-rw-r--r-- 1 named named 195 May 18 2001 localhost.zone  
-rw-r--r-- 1 named named 3313 Nov  8 02:15 named.ca  
-rw-r--r-- 1 named named 433 Mar 26 2011 named.local  
-rw-r--r-- 1 named named 3313 Nov  8 02:15 named.root  
root@slackwarehost:/var/named/caching-example#
```

```
#cp dhcp.key /etc/dhcp
```

SLACKWARE

# DHCP

#nano /etc/named.conf

```
zone "gonggang.com" {
    type master;
    file "caching-example/db.gonggang.com";
    update-policy {
        grant dhcp.gonggang.com wildcard *.gonggang.com A DHCID;
    };
};

zone "100.168.192.in-addr.arpa" {
    type master;
    file "caching-example/db.192.168.100";
    update-policy {
        grant dhcp.gonggang.com wildcard *.100.168.192.in-addr.arpa PTR;
    };
};
```

SLACKWARE

# DHCP

/etc/rc.d/rc.bind restart

```
root@slackwarehost:/var/named/caching-example# /etc/rc.d/rc.bind restart
Stopping BIND: /usr/sbin/rndc stop
Starting BIND: /usr/sbin/named -u named
root@slackwarehost:/var/named/caching-example# /etc/rc.d/rc.bind status
version: BIND 9.16.49 (Extended Support Version) <id:d5b3d64>
running on slackwarehost.bboo.com: Linux x86_64 5.15.19 #1 SMP PREEMPT Wed Feb 2 01:50:51 CST 2022
boot time: Tue, 16 Apr 2024 07:46:04 GMT
last configured: Tue, 16 Apr 2024 07:46:04 GMT
configuration file: /etc/named.conf
CPUs found: 1
worker threads: 1
UDP listeners per interface: 1
number of zones: 105 (99 automatic)
debug level: 0
xfers running: 0
xfers deferred: 0
soa queries in progress: 0
query logging is OFF
recursive clients: 0/900/1000
tcp clients: 0/150
TCP high-water: 0
server is up and running
root@slackwarehost:/var/named/caching-example#
```

localhost

slackwarehost

slackwarehost.bboo.com

SLACKWARE

# PROXY

## Main

**Network**

Adapter 1    Adapter 2    **Adapter 3**    Adapter 4

Enable Network Adapter

Attached to: Bridged Adapter

Name: VPN Client Adapter - VPN

▶ Advanced

**Network**

Adapter 1    Adapter 2    Adapter 3    Adapter 4

Enable Network Adapter

Attached to: Internal Network

Name: intnet

▼ Advanced

Adapter Type: Intel PRO/1000 MT Desktop (82540EM)

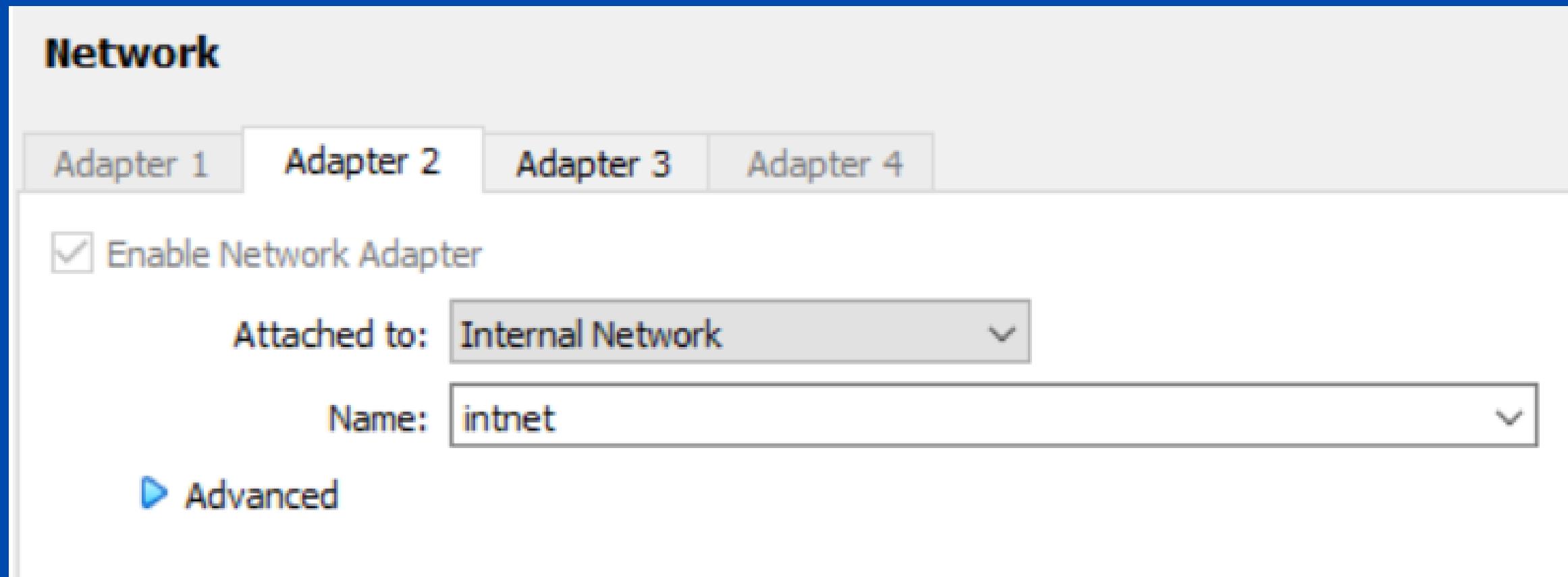
Promiscuous Mode: Allow All

MAC Address: 08002758CB94

Cable Connected

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## Client



# PROXY

```
root@slackwarehost:~# ping 192.168.100.1
PING 192.168.100.1 (192.168.100.1) 56(84) bytes of data.
64 bytes from 192.168.100.1: icmp_seq=1 ttl=64 time=7.76 ms
64 bytes from 192.168.100.1: icmp_seq=2 ttl=64 time=2.35 ms
64 bytes from 192.168.100.1: icmp_seq=3 ttl=64 time=0.871 ms
64 bytes from 192.168.100.1: icmp_seq=4 ttl=64 time=3.05 ms
64 bytes from 192.168.100.1: icmp_seq=5 ttl=64 time=3.28 ms
^C
--- 192.168.100.1 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4007ms
rtt min/avg/max/mdev = 0.871/3.459/7.755/2.306 ms
```

```
root@slackwarehost:~# ping 10.70.20.223
PING 10.70.20.223 (10.70.20.223) 56(84) bytes of data.
64 bytes from 10.70.20.223: icmp_seq=1 ttl=64 time=8.09 ms
64 bytes from 10.70.20.223: icmp_seq=2 ttl=64 time=0.959 ms
64 bytes from 10.70.20.223: icmp_seq=3 ttl=64 time=2.33 ms
64 bytes from 10.70.20.223: icmp_seq=4 ttl=64 time=1.90 ms
64 bytes from 10.70.20.223: icmp_seq=5 ttl=64 time=2.19 ms
64 bytes from 10.70.20.223: icmp_seq=6 ttl=64 time=1.76 ms
^C
--- 10.70.20.223 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5006ms
rtt min/avg/max/mdev = 0.959/2.870/8.086/2.373 ms
```

ทดสอบการเชื่อมต่อของ client  
ว่าสามารถเชื่อมกับ gateway ของ main ได้ไหม

SLACKWARE

# PROXY

squid

ติดตั้ง squid

ดาวน์โหลดไฟล์มาจากเว็บ squid

`Wget http://www.squid-cache.org/Version/v6/squid-6.9.tar.gz`

แตกไฟล์

`Tar -xzvf squid-6.9.tar.gz`

ใช้กำหนดค่าและตรวจสอบระบบก่อนจะติดตั้ง

`./configure`

`make`

`make install`

SLACKWARE

# PROXY

## squid

ກໍານົດຄໍາຕ່າງ ຖ້າໃນ /usr/local/squid/etc/squid.conf

```
GNU nano 6.0                               /usr/local/squid/etc/squid.conf
# following rule (and/or add rules that match your definition of "local"):
http_access allow localnet

# And finally deny all other access to this proxy
http_access deny all

# Squid normally listens to port 3128
http_port 8080

acl localnet src 0.0.0.1-0.255.255.255    # RFC 1122 "this" network (LAN)
acl localnet src 10.0.0.0/8                  # RFC 1918 local private network (LAN)
acl localnet src 100.64.0.0/10               # RFC 6598 shared address space (CGN)
acl localnet src 169.254.0.0/16              # RFC 3927 link-local (directly plugged) machines
acl localnet src 172.16.0.0/12               # RFC 1918 local private network (LAN)
acl localnet src 192.168.0.0/16              # RFC 1918 local private network (LAN)
```

SLACKWARE

# PROXY

บันทึก /etc/rc.d/rc.squid

nano /etc/rc.d/rc.squid

เพิ่มข้อมูล ໃນ rc.squid

```
GNU nano 6.0                                     rc.squid

# chkconfig: 2345 90 10
# description: Squid HTTP Proxy Server

case "$1" in
start)
    echo "Starting Squid Proxy Server..."
    /etc/rc.d/rc.squid -k start
    ;;
stop)
    echo "Stopping Squid Proxy Server..."
    /etc/rc.d/rc.squid -k stop
    ;;
restart)
    echo "Restarting Squid Proxy Server..."
    /etc/rc.d/rc.squid -k restart
    ;;
*)
    echo "Usage: $0 {start|stop|restart}"
    exit 1
esac

exit 0
```

chmod +x /etc/rc.d/rc.squid

/etc/rc.d/rc.squid start

SLACKWARE

## ขั้นตอนการลง docker

### โหลด SlackBuild

ใช้คำสั่ง wget <https://slackbuilds.org/slackbuilds/15.0/system/docker.tar.gz>

```
root@slackwarehost:~# wget https://slackbuilds.org/slackbuilds/15.0/system/docker.tar.gz
--2024-04-16 23:56:11-- https://slackbuilds.org/slackbuilds/15.0/system/docker.tar.gz
Resolving slackbuilds.org (slackbuilds.org)... 66.85.79.67, 2604:5800:0:90::67
Connecting to slackbuilds.org (slackbuilds.org)|66.85.79.67|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4108 (4.0K) [application/x-gzip]
Saving to: 'docker.tar.gz'

docker.tar.gz          100%[=====] 4.01K --.-KB/s   in 0s

2024-04-16 23:56:12 (3.17 GB/s) - 'docker.tar.gz' saved [4108/4108]
```

## ໂຂລດ moby

ໃຊ້ຄໍາລັບ wget <https://github.com/moby/moby/archive/v24.0.9/moby-24.0.9.tar.gz>

```
root@slackwarehost:~# wget https://github.com/moby/moby/archive/v24.0.9/moby-24.0.9.tar.gz
--2024-04-16 23:56:56-- https://github.com/moby/moby/archive/v24.0.9/moby-24.0.9.tar.gz
Resolving github.com (github.com)... 20.205.243.166, 64:ff9b::14cd:f3a6
Connecting to github.com (github.com)|20.205.243.166|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/moby/tar.gz/refs/tags/v24.0.9 [following]
--2024-04-16 23:56:56-- https://codeload.github.com/moby/tar.gz/refs/tags/v24.0.9
Resolving codeload.github.com (codeload.github.com)... 20.205.243.165, 64:ff9b::14cd:f3a5
Connecting to codeload.github.com (codeload.github.com)|20.205.243.165|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: 'moby-24.0.9.tar.gz'

moby-24.0.9.tar.gz          [=====] 13.99M  5.40MB/s  in 2.6s

2024-04-16 23:57:00 (5.40 MB/s) - 'moby-24.0.9.tar.gz' saved [14667617]
```

### แทรกไฟล์ docker กีหลอดมาจาก SlackBuild

ใช้คำสั่ง `tar -zxvf docker.tar.gz`

```
root@slackwarehost:~# tar -zxvf docker.tar.gz
docker/
docker/docker.info
docker/doinst.sh
docker/slack-desc
docker/README
docker/docker.SlackBuild
docker/config/
docker/config/rc.docker
docker/config/docker.default
docker/config/docker.logrotate
```

## ໂຫລດ Docker V.24.0.9

ໃຊ້ຄໍາສັ່ບ wget [https://download.docker.com/linux/static/stable/x86\\_64/docker-24.0.9.tgz](https://download.docker.com/linux/static/stable/x86_64/docker-24.0.9.tgz)  
ຈາກນັ້ນແຕກໄຟລ໌  
ໃຊ້ຄໍາສັ່ບ tar -zxvf docker-24.0.9.tgz

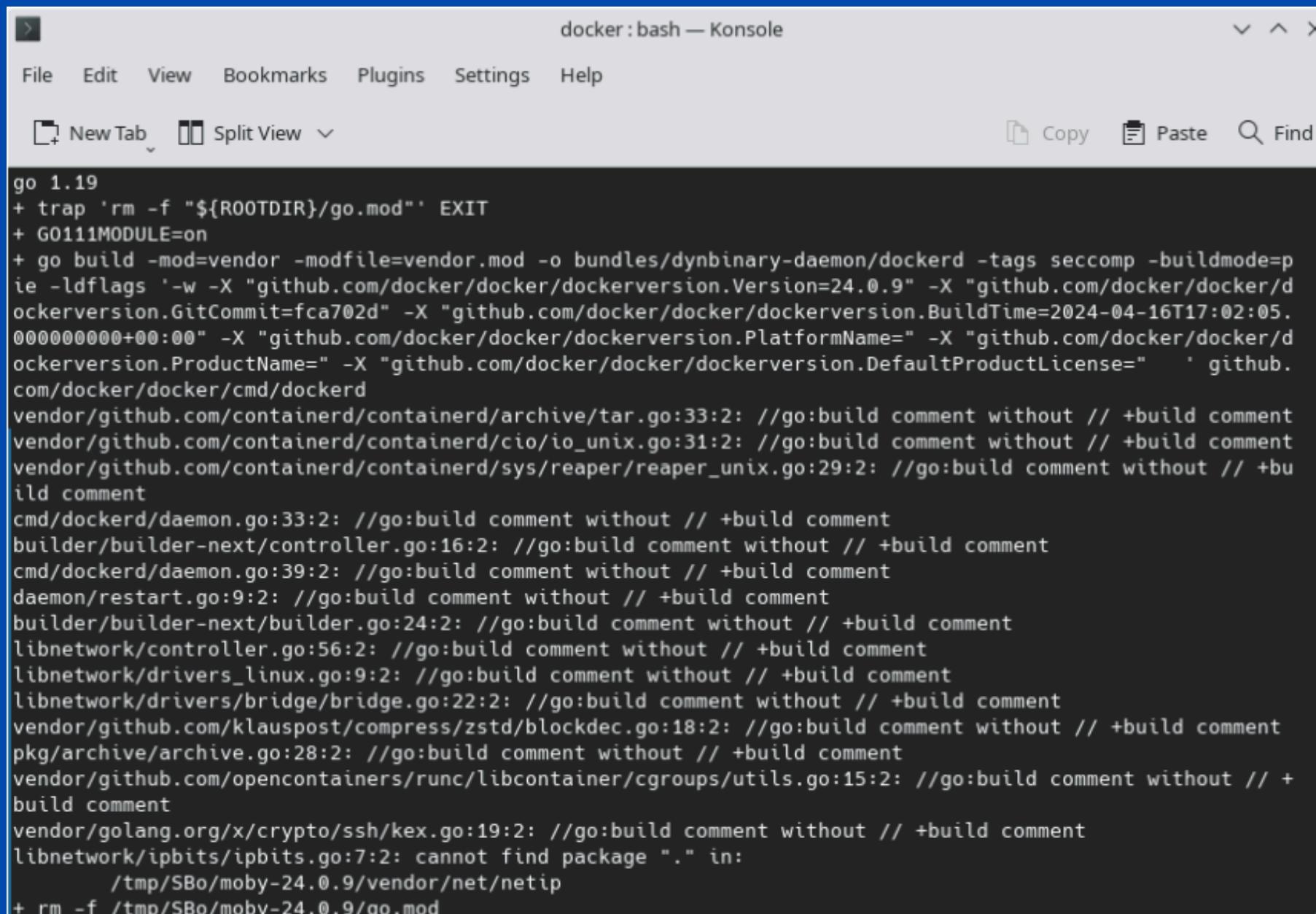
```
root@slackwarehost:~/docker# wget https://download.docker.com/linux/static/stable/x86_64/docker-24.0.9.tgz
--2024-04-17 00:29:41-- https://download.docker.com/linux/static/stable/x86_64/docker-24.0.9.tgz
Resolving download.docker.com (download.docker.com)... 65.9.17.68, 65.9.17.60, 65.9.17.14, ...
Connecting to download.docker.com (download.docker.com)|65.9.17.68|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 70199284 (67M) [application/x-tar]
Saving to: 'docker-24.0.9.tgz'

docker-24.0.9.tgz          100%[=====] 66.95M  5.59MB/s   in 11s

2024-04-17 00:29:52 (5.83 MB/s) - 'docker-24.0.9.tgz' saved [70199284/70199284]

root@slackwarehost:~/docker# tar -zxvf docker-24.0.9.tgz
docker/
docker/docker-proxy
docker/docker-init
docker/containerd-shim-runc-v2
docker/dockerd
docker/containerd
docker/docker
docker/runc
docker/ctr
```

## ./docker.SlackBuild (เป็นสคริปต์ที่ใช้สร้างแพคเกจ Docker สำหรับ Slackware)



```
go 1.19
+ trap 'rm -f "${ROOTDIR}/go.mod"' EXIT
+ GO111MODULE=on
+ go build -mod=vendor -modfile=vendor.mod -o bundles/dynbinary-daemon/dockerd -tags seccomp -buildmode=pie -ldflags '-w -X "github.com/docker/docker/dockerversion.Version=24.0.9" -X "github.com/docker/docker/dockerversion.GitCommit=fca702d" -X "github.com/docker/docker/dockerversion.BuildTime=2024-04-16T17:02:05.000000000+00:00" -X "github.com/docker/docker/dockerversion.PlatformName=" -X "github.com/docker/docker/dockerversion.ProductName=" -X "github.com/docker/docker/dockerversion.DefaultProductLicense=" github.com/docker/docker/cmd/dockerd
vendor/github.com/containerd/containerd/archive/tar.go:33:2: //go:build comment without // +build comment
vendor/github.com/containerd/containerd/cio/io_unix.go:31:2: //go:build comment without // +build comment
vendor/github.com/containerd/containerd/sys/reaper/reaper_unix.go:29:2: //go:build comment without // +build comment
cmd/dockerd/daemon.go:33:2: //go:build comment without // +build comment
builder/builder-next/controller.go:16:2: //go:build comment without // +build comment
cmd/dockerd/daemon.go:39:2: //go:build comment without // +build comment
daemon/restart.go:9:2: //go:build comment without // +build comment
builder/builder-next/builder.go:24:2: //go:build comment without // +build comment
libnetwork/controller.go:56:2: //go:build comment without // +build comment
libnetwork/drivers_linux.go:9:2: //go:build comment without // +build comment
libnetwork/drivers/bridge/bridge.go:22:2: //go:build comment without // +build comment
vendor/github.com/klauspost/compress/zstd/blockdec.go:18:2: //go:build comment without // +build comment
pkg/archive/archive.go:28:2: //go:build comment without // +build comment
vendor/github.com/opencontainers/runc/libcontainer/cgroups/utils.go:15:2: //go:build comment without // +build comment
vendor/golang.org/x/crypto/ssh/kex.go:19:2: //go:build comment without // +build comment
libnetwork/ipbits/ipbits.go:7:2: cannot find package "." in:
    /tmp/SBo/moby-24.0.9/vendor/net/netip
+ rm -f /tmp/SBo/moby-24.0.9/go.mod
```

## WEB APPLICATION

Copy ไฟล์ไป /usr/bin/

ใช้คำสั่ง `cp -r /root/docker/docker /usr/bin/`

กำหนดสิทธิ์ให้กับไฟล์ Docker

ใช้คำสั่ง `chmod +x /usr/bin/docker`

เช็คเวอร์ชันของ Docker

ใช้คำสั่ง `docker -v`

```
root@slackwarehost:~/docker# cp -r /root/docker/docker /usr/bin/
root@slackwarehost:~/docker# chmod +x /usr/bin/docker
root@slackwarehost:~/docker# docker -v
Docker version 24.0.9, build 2936816
```

SLACKWARE

### ติดตั้ง docker-compose

```
curl -L https://github.com/docker/compose/releases/download/v2.7.0/docker-compose-$(uname -s)-$(uname -m) -o /usr/bin/docker-compose
```

```
root@slackwarehost:~# curl -L https://github.com/docker/compose/releases/download/v2.7.0/docker-compose-$(uname -s)-$(uname -m) -o /usr/bin/docker-compose
% Total    % Received % Xferd  Average Speed   Time     Time      Current
          Dload  Upload Total   Spent    Left Speed
0       0     0      0      0      0 ---:---:---:---:---:--- 0
100 24.5M  100 24.5M  0     0  3706k      0  0:00:06  0:00:06 ---:--- 5392k
```

```
root@slackwarehost:~# chmod +x /usr/bin/docker-compose
```

```
root@slackwarehost:~# docker-compose -v
Docker Compose version v2.7.0
```

### ติดตั้ง nginx

โหลด nginx จากเว็บไซต์  
ใช้คำสั่ง wget <https://slackbuilds.org/slackbuilds/15.0/network/nginx.tar.gz>

```
root@slackware:~# wget https://slackbuilds.org/slackbuilds/15.0/network/nginx.tar.gz
--2024-04-15 14:23:34-- https://slackbuilds.org/slackbuilds/15.0/network/nginx.tar.gz
Resolving slackbuilds.org (slackbuilds.org)... 66.85.79.67, 2604:5800:0:90::67
Connecting to slackbuilds.org (slackbuilds.org)|66.85.79.67|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 5693 (5.6K) [application/x-gzip]
Saving to: 'nginx.tar.gz'

nginx.tar.gz          100%[=====]  5.56K  --.-KB/s   in 0s

2024-04-15 14:23:35 (4.14 GB/s) - 'nginx.tar.gz' saved [5693/5693]
```

แตกไฟล์

ใช้คำสั่ง tar -zxvf nginx.tar.gz

(ความหมายจะเป็นไปได้เข้าใจเดยๆ

-z แตกไฟล์จากการบีบอัดด้วย gzip

-x ถอนไฟล์จากแพ็คเกจ tar

-v แสดงข้อความบนหน้าจอสำหรับการอยู่

-f ระบุไฟล์ที่ต้องการจะทำงาน )

```
root@slackware:~# tar -zxvf nginx.tar.gz
nginx/
nginx/doinst.sh
nginx/nginx.info
nginx/nginx.logrotate
nginx/slack-desc
nginx/rc.nginx
nginx/README
nginx/nginx.SlackBuild
```

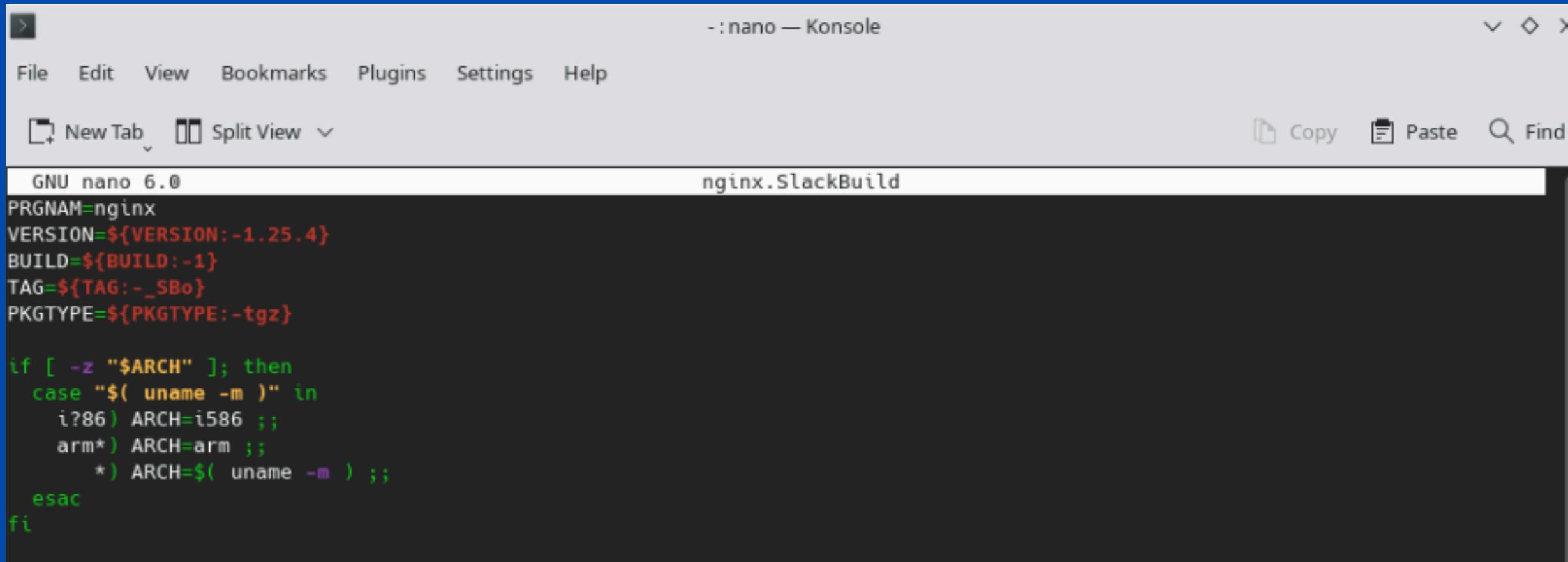
### ჩატბეჭდის მოწყვეტილებები

```
root@slackware:~/nginx# ls -altr
total 40
-rw-r--r-- 1 1016 1016 1684 Nov 26 2013 rc.nginx
-rw-r--r-- 1 1016 1016 931 Jul  2 2016 doinst.sh
-rw-r--r-- 1 1016 1016 762 Jan 24 2017 slack-desc
-rw-r--r-- 1 1016 1016 1345 Mar 18 2022 README
-rw-r--r-- 1 1016 1016 178 Apr  2 2022 nginx.logrotate
-rw-r--r-- 1 1016 1016 271 Oct 20 2022 nginx.info
-rwxr-xr-x 1 1016 1016 8191 Oct 20 2022 nginx.SlackBuild
drwxr-xr-x 2 1016 1016 4096 Oct 20 2022 .
drwx--x--- 18 root root 4096 Apr 15 14:40 ..
```

გენერიკული დოკუმენტი

wget <http://nginx.org/download/nginx-1.25.4.tar.gz>

## ກອງ nginx.SlackBuild ແກ້ໄຂເວຼອຣ໌ສັນເປີນຕົວລ່າສຸດກໍ່ເຮົາໂຄດນາ (1.25.4)



The screenshot shows a terminal window titled '- : nano — Konsole'. The window has a menu bar with File, Edit, View, Bookmarks, Plugins, Settings, Help. Below the menu is a toolbar with New Tab, Split View, Copy, Paste, Find. The main area displays a file named 'nginx.SlackBuild' with the following content:

```
GNU nano 6.0
PRGNAM=nginx
VERSION=${VERSION:-1.25.4}
BUILD=${BUILD:-1}
TAG=${TAG:-_SBo}
PKGTYPE=${PKGTYPE:-tgz}

if [ -z "$ARCH" ]; then
  case "$( uname -m )" in
    i?86) ARCH=i586 ;;
    arm*) ARCH=arm ;;
    *) ARCH=$( uname -m ) ;;
  esac
fi
```

ແລ້ວໃຊ້ຄໍາສັ້ນ ./nginx.SlackBuild

### ติดตั้งแพ็คเกจที่สร้างขึ้นภายในใต้ไดเร็กทอรี /tmp

```
root@slackware:~/nginx# installpkg /tmp/nginx-1.25.4-x86_64-1_SBo.tgz
Verifying package nginx-1.25.4-x86_64-1_SBo.tgz.
Installing package nginx-1.25.4-x86_64-1_SBo.tgz:
PACKAGE DESCRIPTION:
# nginx (http/imap/pop3 proxy)
#
# Nginx [engine x] is a high-performance HTTP server and reverse proxy,
# as well as an IMAP/POP3 proxy server.
#
# Nginx was written by Igor Sysoev.
#
# Homepage: http://nginx.net/
#
Executing install script for nginx-1.25.4-x86_64-1_SBo.tgz.
Package nginx-1.25.4-x86_64-1_SBo.tgz installed.
```

เปิดใช้งาน nginx และ php-fpm เพื่อเริ่มการบูต

```
root@slackware:~/nginx# chmod +x /etc/rc.d/rc.php-fpm
root@slackware:~/nginx# chmod +x /etc/rc.d/rc.nginx
root@slackware:~/nginx#
```

แก้ไขเส้นทางไฟล์

nano /etc/nginx/nginx.conf (หรือ slackdog ตัวเอง)

```
GNU nano 6.0                                     nginx.conf

#access_log  logs/host.access.log  main;

location / {
    root    /var/www/slackdog;
    index   index.php index.html index.htm;
}

#error_page 404          /404.html;

# redirect server error pages to the static page /50x.html
#
error_page   500 502 503 504  /50x.html;
location = /50x.html {
    root    /var/www/slackdog;
}

# proxy the PHP scripts to Apache listening on 127.0.0.1:80
#
#location ~ \.php$ {
#    proxy_pass  http://127.0.0.1;
#}

# pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
#
location ~ \.php$ {
    root            /var/www/slackdog;
    fastcgi_pass   127.0.0.1:9000;
    fastcgi_index  index.php;
    fastcgi_param  SCRIPT_FILENAME  /var/www/slackdog$fastcgi_script_name;
    include        fastcgi_params;
}
```

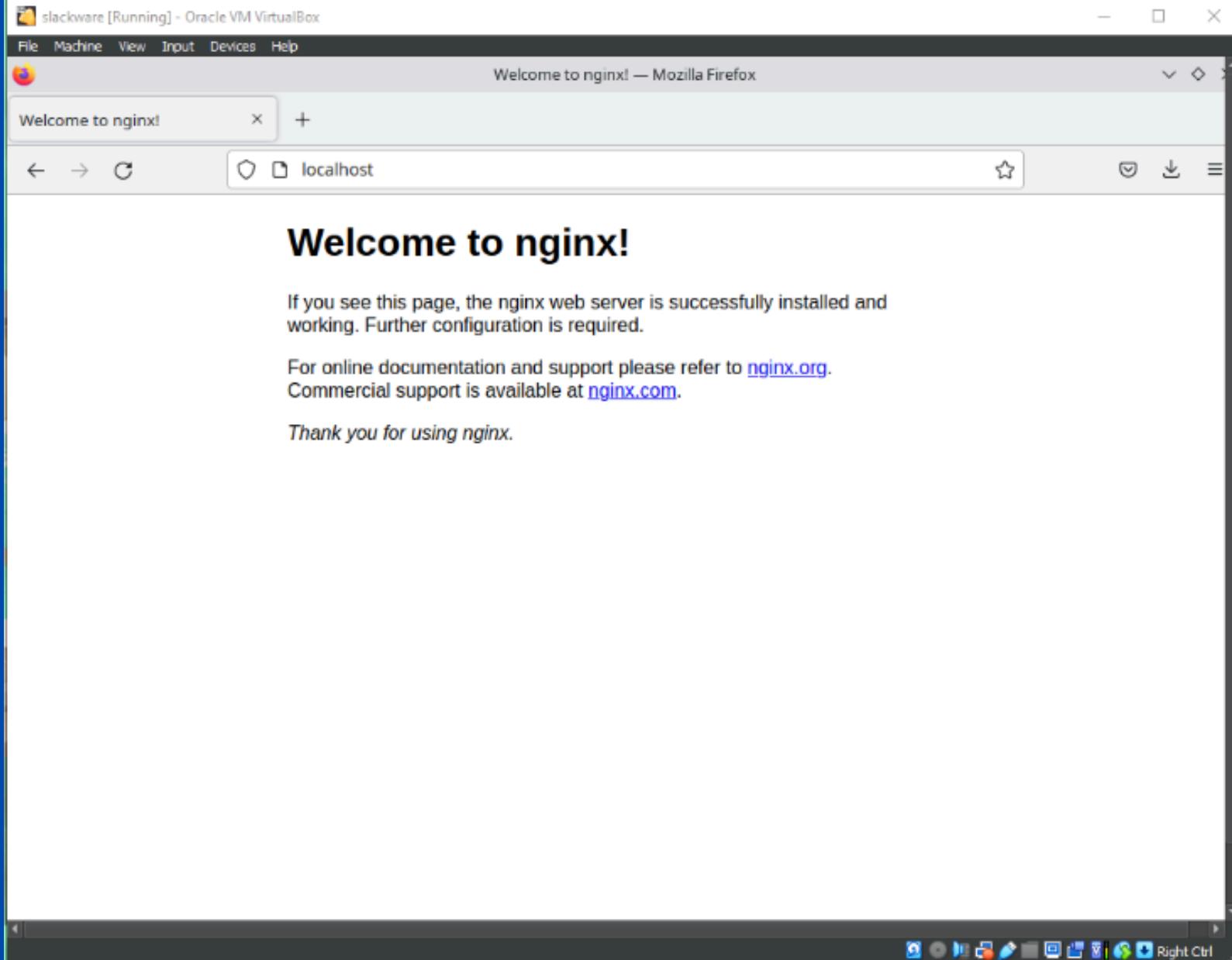
## WEB APPLICATION

```
/etc/rc.d/rc.php-fpm restart  
/etc/nginx# /etc/rc.d/rc.nginx restart
```

```
root@slackware:/etc/nginx# sudo /etc/rc.d/rc.nginx restart  
Shutdown Nginx gracefully...  
cat: /var/run/nginx.pid: No such file or directory  
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]  
Starting Nginx server daemon...
```

SLACKWARE

# WEB APPLICATION



A screenshot of a Slackware Linux desktop environment. A Mozilla Firefox window is open, showing the 'PHP 7.4.27 - phpinfo()' page. The URL in the address bar is 'localhost/info.php'. The page displays detailed information about the PHP configuration, including the PHP version (7.4.27), system information, build date (Dec 16 2021 18:59:58), and various configuration settings. The desktop background is blue, and the taskbar at the bottom shows various application icons.

# SLACKWARE

-  64160010 ນັກສູນີ້າ ມືນາກ
-  64160013 ປຸລຍບຸຊ ຄຣີຕັດນ
-  64160003 ນັກການຕ ພຣມນາ
-  64160101 ປັນມນັສ ມັຈຄົມະ
-  64160105 ຄົວກຮ ໂພຣີຄຣີເມືອບ

# THANK YOU

SLACKWARE