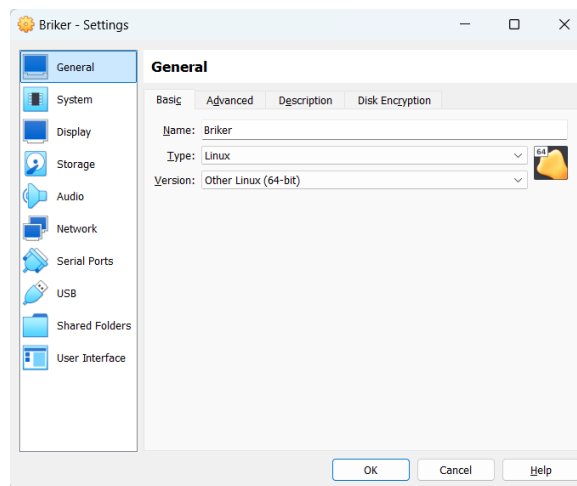


WRITE UP BRIKER - LU'LU'AH NAFISA

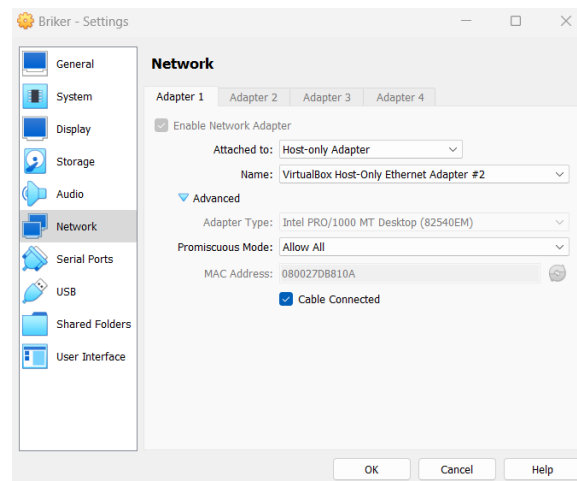
A. Configuration on Briker VM

1. Create briker vm

- Install ISO briker (<https://dn721905.ca.archive.org/0/items/briker-2.1.1/briker-2.1.1.iso>)
- Choose **linux** as type and **other linux (64-bit)** as version



1. Setup network adapter to **host-only** mode



2. Setup ip address with run command `vi /etc/network/interfaces`

- Click 'i' to insert editing
- Click escape and type ':wq' to save and exit

```

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto eth0
iface eth0 inet static
    address 192.168.10.2
    netmask 255.255.255.0
    network 192.168.10.0
    broadcast 192.168.10.255
    gateway 192.168.10.1
    # dns-* options are implemented by the resolvconf package, if installed
    dns-nameservers 192.168.10.2
    dns-search ippbx.briker.lan
    post-up iptables-restore < /etc/iptables.up.rules

```

3. Stop and start interface with run command 'ifdown eth0 && ifup eth0'
4. Restart interface with run command 'service networking restart'

```
root@ippbx:~# ifdown eth0 && ifup eth0
```

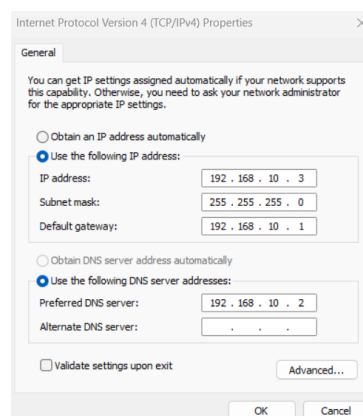
5. Check ip address with run command 'ip a'

```

root@ippbx:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:db:81:0a brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.2/24 brd 192.168.10.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fedb:810a/64 scope link
        valid_lft forever preferred_lft forever
root@ippbx:~#

```

6. Setup ip address on laptop with open windows run 'windows + r' and type ncpa.cpl
 - Change to static mode
 - Add ip address, subnet mask, default gateway, and dns server with adjust network vm



7. Test ping on cmd to ip vm (192.168.10.2)

```
C:\Users\ASUS>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:
Reply from 192.168.10.2: bytes=32 time<1ms TTL=64

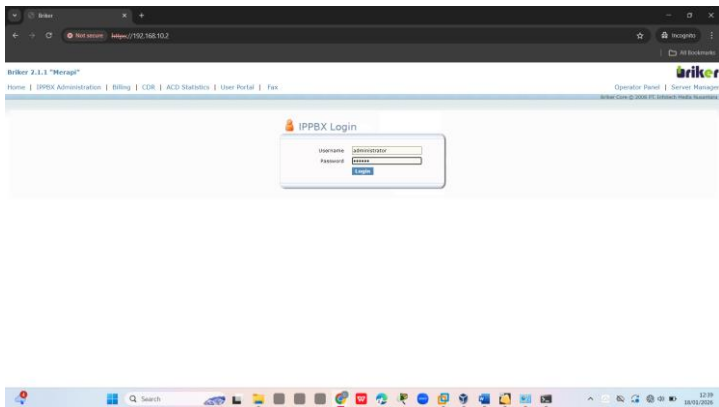
Ping statistics for 192.168.10.2:
    Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

8. Test ping on vm to ip client (192.168.10.3)

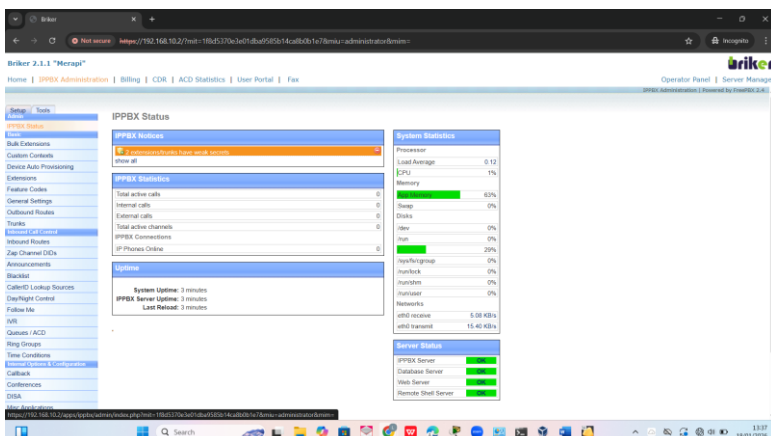
```
root@ipbpbx:~# ping 192.168.10.3
PING 192.168.10.3 (192.168.10.3) 56(84) bytes of data.
64 bytes from 192.168.10.3: icmp_seq=5 ttl=128 time=0.767 ms
64 bytes from 192.168.10.3: icmp_seq=6 ttl=128 time=0.551 ms
^C
    192.168.10.3 ping statistics ---
    6 packets transmitted, 2 received, 66% packet loss, time 5030ms
    rtt min/avg/max/mdev = 0.551/0.659/0.767/0.108 ms
root@ipbpbx:~#
```

B. Configuration Extension on Briker Manager

1. If your internet was connected, open chrome and search your ip vm to open briker manager
2. Type 'administrator' as username and 'Briker' as password



3. Go to the IPPBX Administration menu



4. Go to the extensions menu and click submit to add extensions (create 2 extension)
5. Setup SIP extension
 - Add user extension as number phone

- Add display name as contact name

User Extension	222	User Extension	333
Display Name	lala	Display Name	lili
CID Num Alias		CID Num Alias	
SIP Alias		SIP Alias	

- Add accountcode
- Add secret as password

This device uses sip technology.		This device uses sip technology.	
calllimit	1	calllimit	1
calltimer	0	calltimer	0
accountcode	222	accountcode	333
secret	222	secret	333
dtmfmode	rfc2833	dtmfmode	rfc2833
deny	0.0.0.0/0.0.0.0	deny	0.0.0.0/0.0.0.0
permit	0.0.0.0/0.0.0.0	permit	0.0.0.0/0.0.0.0
context	from-internal	context	from-internal
disallow	all	disallow	all
allow	alaw&ulaw&h263p	allow	alaw&ulaw&h263p

- Add voicemail password

Status	Disabled ▼	Status	Disabled ▼
Voicemail Password	222	Voicemail Password	333
Email Address		Email Address	
Pager Email Address		Pager Email Address	
Email Attachment	<input type="radio"/> yes <input checked="" type="radio"/> no	Email Attachment	<input type="radio"/> yes <input checked="" type="radio"/> no
Play CID	<input type="radio"/> yes <input checked="" type="radio"/> no	Play CID	<input type="radio"/> yes <input checked="" type="radio"/> no
Play Envelope	<input type="radio"/> yes <input checked="" type="radio"/> no	Play Envelope	<input type="radio"/> yes <input checked="" type="radio"/> no
Delete Vmail	<input type="radio"/> yes <input checked="" type="radio"/> no	Delete Vmail	<input type="radio"/> yes <input checked="" type="radio"/> no
VM Options		VM Options	
VM Context	default	VM Context	default
VmX Locator™	Disabled ▼	VmX Locator™	Disabled ▼

6. Click 'apply configuration changes' to save your configuration and click continue with reload

Briker 2.1.1 "Merapi"

Home | IPPBX Administration | Billing | CDR | ACD Statistics | User Portal | Fax

Apply Configuration Changes

Setup | Tools | Admin | Basic | Bulk Extensions | Custom Contexts | Device Auto Provisioning | **Extensions** | Feature Codes | General Settings

Add an Extension

Please select your Device below then click Submit

Device

Device **Generic SIP Device ▼**

Submit

C. Login Account on Zoiper Phone as Virtual Phone

1. Open zoiper application as lala virtual phone
2. Add username 'user extension@ip vm' and password, click login



ZoiPer

222@192.168.10.2

... 

- Click next and the ip will be filled in by default

Fill in your hostname
and select your
provider from the list

192.168.10.2

- Click skip to authentication and outbound proxy


☐ *Optional*
Authentication and
Outbound proxy

Authentication username

Outbound proxy

- Wait until SIP UDP to be green color and filled full, and then click next

Please wait, we are
testing possible
configurations

<input type="radio"/> SIP TLS	PRO
<input type="radio"/> SIP TCP	Not found
<input checked="" type="radio"/> SIP UDP	Found
<input type="radio"/> IAX UDP	

- Account was created if appear like this image

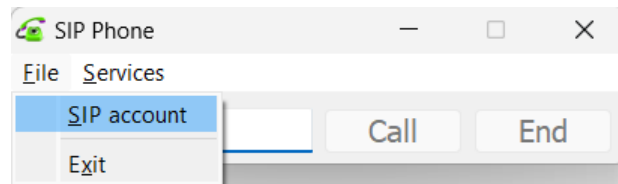
Accounts

SIP

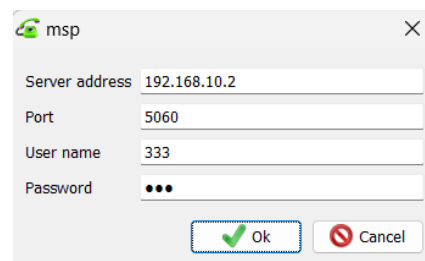
✓ 222@192.168.10.2

D. Login Account on SIP Phone as Other Virtual Phone

1. Open SIP phone as lili virtual phone
2. Go to the file menu and click SIP account

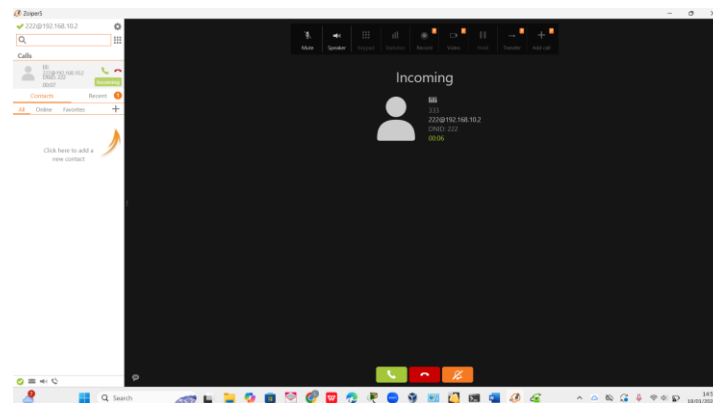


3. Setup account
 - Add server address (IP vm)
 - Add user name (user extension)
 - Add password



E. Test Call from SIP Phone to Zoiper

1. Type lala phone number (222), and then click call. If successful, your laptop will be ringing from zoiper phone



F. Test Call from Zoiper to SIP Phone

2. Type lili phone number (333), and then click enter. If successful, your laptop will be ringing from SIP phone

