

## VoIP Server Debian 8

Pastikan sudah mengkonfigurasi IP terlebih dahulu

Install paket asterisk

```
root@debian:~# apt install asterisk
```

Masukan iso Debian dvd 1

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-1 20160604-14:09'  
in the drive '/media/cdrom/' and press enter
```

Masukan iso Debian dvd 2

```
'Debian GNU/Linux 8.5.0 _Jessie_ - Official i386 DVD Binary-1 20160604-14:09'  
in the drive '/media/cdrom/' and press enter
```

konfigurasi file sip.conf dengan mengetikan perintah berikut

```
root@debian:~# nano /etc/asterisk/sip.conf
```

Tambahkan script berikut di baris paling bawah

```
[1001]  
type=friend  
context=client  
username=client1  
secret=1001  
host=dynamic  
  
[1002]  
type=friend  
context=client  
username=client2  
secret=1002  
host=dynamic
```

Konfigurasi file extensions.conf

```
root@debian:~# nano /etc/asterisk/extensions.conf
```

Tambahkan script berikut di baris paling bawah

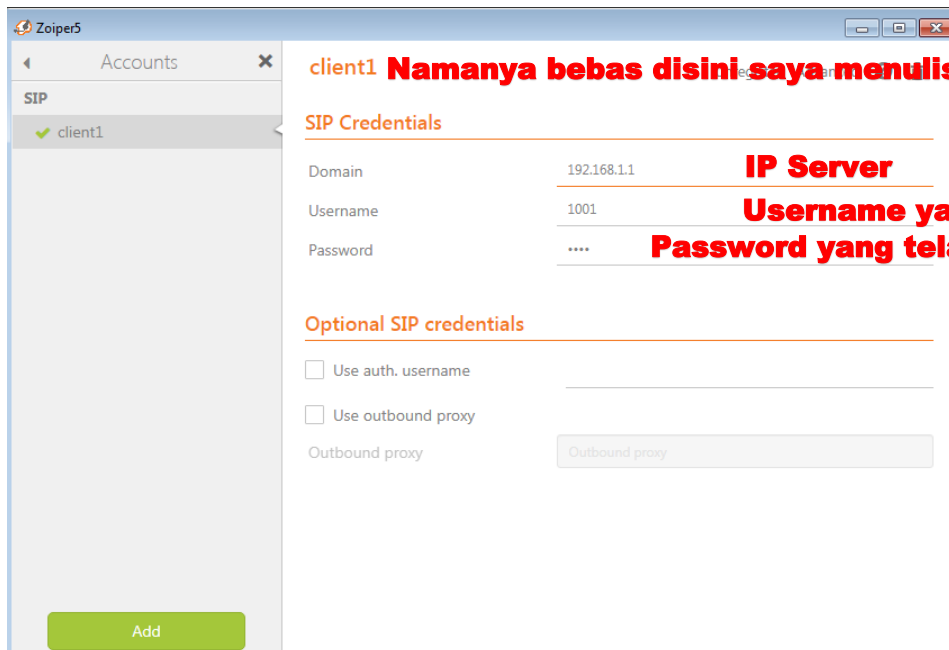
```
[client]  
exten=>1001,1,Dial(SIP/1001)  
exten=>1002,1,Dial(SIP/1002)_
```

Restart asterisk

```
root@debian:~# /etc/init.d/asterisk restart
```

## Tahap pengujian

Disini saya menggunakan client windows 7 yang sudah di install software Zoiper untuk menjalankan VoIP nya kemudian win7 di clone agar kita mempunyai 2 client



The screenshot shows the Zoiper5 application window. On the left, the 'Accounts' sidebar lists 'client1' with a green checkmark. The main panel is titled 'client1' and contains the following fields:

- SIP Credentials:**
  - Domain: 192.168.1.1
  - Username: 1001
  - Password: \*\*\*\*
- Optional SIP credentials:**
  - ☐ Use auth. username
  - ☐ Use outbound proxy
  - Outbound proxy: (empty field)

At the bottom left of the main panel is a green 'Add' button.

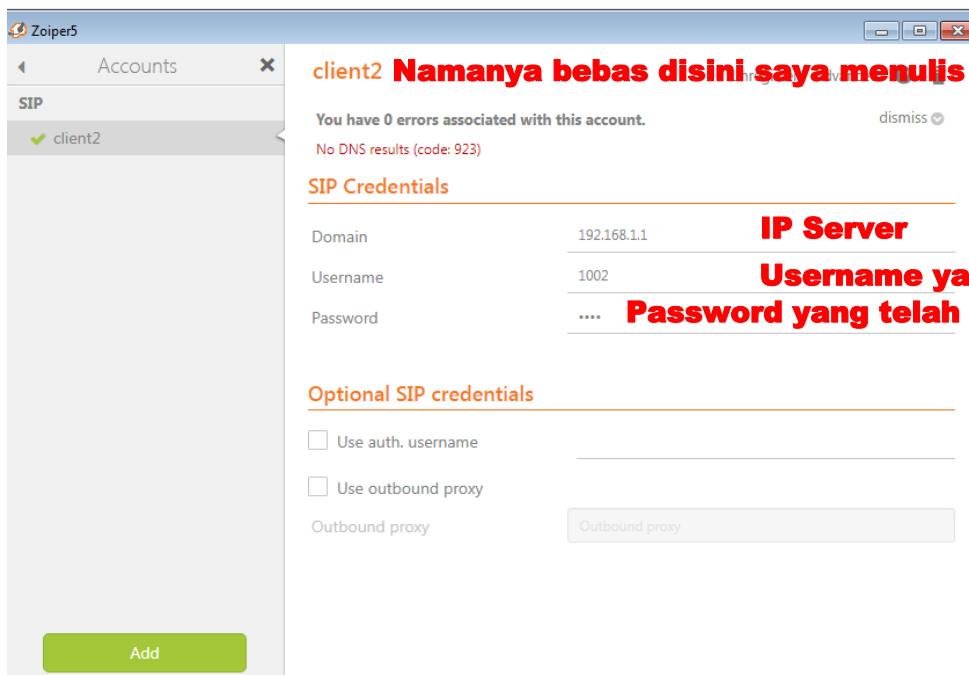
**Namanya bebas disini saya menulis client1**

**IP Server**

**Username yang tadi kita buat di server**

**Password yang telah kita buat di server (1001)**

Kemudian pindah ke win7 yang sudah di clone sebagai client2



The screenshot shows the Zoiper5 application window. On the left, the 'Accounts' sidebar lists 'client2' with a green checkmark. The main panel is titled 'client2' and contains the following fields:

- Status:** You have 0 errors associated with this account. (dismiss button)
- Message:** No DNS results (code: 923)
- SIP Credentials:**
  - Domain: 192.168.1.1
  - Username: 1002
  - Password: \*\*\*\*
- Optional SIP credentials:**
  - ☐ Use auth. username
  - ☐ Use outbound proxy
  - Outbound proxy: (empty field)

At the bottom left of the main panel is a green 'Add' button.

**Namanya bebas disini saya menulis client2**

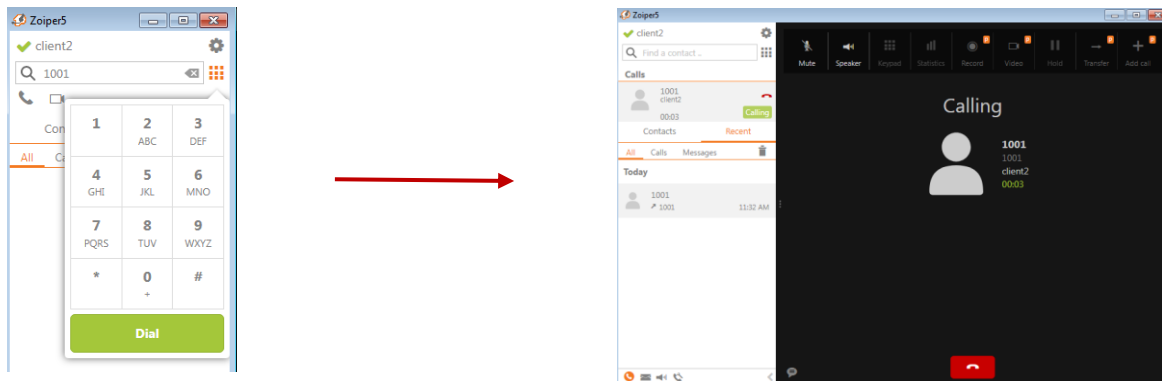
**IP Server**

**Username yang tadi kita buat di server**

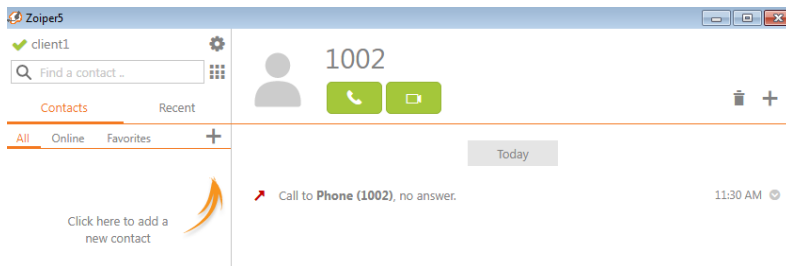
**Password yang telah kita buat di server (1002)**

Disini saya mencoba menelpon dari client 2 ke client 1

Ketikan nomer client1 lalu dial

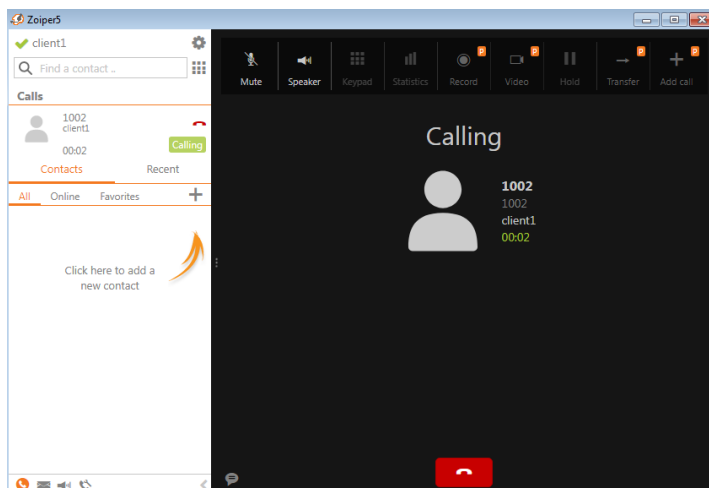


Lalu kita pergi ke client 1 cek apakah ada panggilan masuk



Ada panggilan masuk dari 1002 kemudian klik logo telpon untuk menerima panggilan.

Client1 dan client2 sudah bisa saling berkomunikasi



Selesai