## Membuat Server VoIP Dengan TRIXBOX

## Instalasi

- Lakukan Instalasi Terlebih System Operasi TRIXBOX terlebih dahulu
- Instalasi dilakukan sama dengan Instalasi pada System Operasi Linux lainnya
- Hardisk Anda akan ter-format otomatis oleh Linux TRIXBOX ini

#### Catatan :

Backup data anda sebelum instalasi dilakukan

# Konfigurasi IP TRIXBOX

- Setelah Instalasi, Anda harus mengkonfigurasi IP Address dengan cara :
  - Ketik netconfig 🚽
  - Pilih Yes 🚽
  - Isi IP Address, Netmask, Default Gateway (IP) dan Primary Name server
  - Pilih OK 🚽
  - Kemudian Ketik /etc/init.d/network restart dan enter untuk me-restart network

# Konfigurasi TRIXBOX

🔮 abo	🚰 about:blank - Microsoft Internet Explorer						
Eile	<u>E</u> dit	<u>V</u> iew	F <u>a</u> vorite	es <u>T</u>	ools	<u>H</u> elp	
G Ba	rck 🔻	$\bigcirc$	- 🔀	2		Search	
A <u>d</u> dress	;	http://	172.19.51	ι.5			

- Masuk ke Internet Explorer / Web Browser lainnya
- Ketik IP Address TRIXBOX (Misal 172.19.51.5)

# Tampilan Awal Konfigurasi TRIXBOX





• Klik System Administration Untuk masuk ke menu System administration

	Connect to 172.19	.51.5	ABOUT		
<ul> <li>Asterisk</li> <li>Voicemail &amp; Recordings</li> <li>Web MeetMe Control</li> <li>Flash Operator Panel</li> <li>System Administration</li> <li>Applications</li> <li>Sugar CRM</li> </ul>	Restricted Area User name: Password:	maint  maint  Remember my password  OK Cancel			
Copyright © 2006 by <b>trixbox.org</b>					

- Isi user dengan maint
- Isi Password dengan password
- Klik **OK** untuk melanjutkan

## Menu System Administration

<b>trix</b> b		Configuration and Adm	inistration 😣
		MAIN	ABOUT
Version: 1.1.0 • Asterisk	Main Menu	July	13, 2006   11:09:29
<ul> <li>FreePBX</li> <li>Config Edit</li> <li>Asterisk Info</li> <li>Endpoint Manager</li> <li>HUD Manager</li> </ul>	Welcome to trixbox		
<ul> <li>System</li> <li>phpMyAdmin</li> <li>System Info</li> <li>System Maint</li> <li>SSH Terminal</li> <li>Munin</li> </ul>			



Klik Menu FreePBX untuk masuk ke Menu FreePBX

### Menu FreePBX

freePE	ТМ	• Setup •	Tools •	Reports •	Panel •	Recordings
						Administration
Welcome				La	nguage:	English 💌
	freePBX					
	Welcome to the FreePBX Administration	2.1.1				



- Klik Menu Tools
- Pertama kali kita harus melakukan instalasi module: Core

## Menu Tools

freePBX <sup>™</sup>	Setup      Tools      Reports      Panel      Recordings
	Tools
Module Admin	
freePBX <sup>®</sup>	Version 2.1.1 on 172.19.51.5



Klik Module Admin

Module Admin

#### **Module Administration**

Connect to Online Module Repository

#### Not Installed Local Modules

Module	Version	Туре	Category
<u>Asterisk API (manager)</u>	1.0.2	tool	Basic
Core (core)	1.1	setup	Basic
Feature Code Admin (featurecodeadmin)	1.0	setup	Basic
Follow Me (findmefollow)	1.2.5	setup	Basic
Ring Groups (ringgroups)	1.2.2	setup	Basic
Time Conditions (timeconditions)	2.1	setup	Basic
Call Forward (callforward)	1.0.2	setup	Call Management
Call Waiting (callwaiting)	1.0.1	setup	Call Management
Do-Not-Disturb (DND) (donotdisturb)	1.0.1	setup	Call Management
VoicePulse (voicepulse)	0.1	setup	ITSP
Voicemail (voicemail)	1.0	setup	Messaging

• Beri Tanda 🔽 pada Core (core)

Enable Selected 💌

Submit

Pilih Enable Selected dan kemudian Submit

freeP	<b>BX</b> <sup>TM</sup>	• Setup •	Tools •	Reports •	Panel •	Recordings
Module Admin	Module Administra	tion				Tools
	Connect to Online Module Repository					
	Module     Version     Type     Cate       Core (core)     1.1     setup     Basic       Disable     Selected     Subm	ic nit				

• Klik Menu Setup

## Menu Setup

freePE	• Setup • Tools • Reports • Panel	Recordings
		Setup
Administrators		
Extensions		
General Settings		
Inbound Routes		
Outbound Routes		
Trunks		
free <b>PBX</b> <sup>®</sup>	Version 2.1.1 on 172.19.51.5	



Pada Menu Add an Extensions

Klik Menu SIP

Administrators	Add an Extension
Extensions	Select device technology:
General Settings	Select device technology.
Inbound Routes	
Outbound Routes	• <u>IAX2</u>
Trunks	• ZAP
L	• <u>Custom</u>

### Menu Add SIP Extensions

					Setup
Administrators	Add SIP E	xtension		Add Extension	
Extensions					
General Settings	Add Extension		-		
Inbound Routes					
Outbound Routes	Extension Number:		_		
Trunks	Display Name:				
	Extension Options				
			-		
	Direct DID:				
	DID Alert Info:				
	Outbound CID:				
	Emergency CID:				
	Record Incoming:	On Demand 💌			
	Record Outgoing:	On Demand 💌			
	Device Options		-		
	secret		]		
	dtmfmode	rfc2833	]		
	Voicemail & Directo	ry: Disabled 💌	-		

Add Extension	
Extension Number:	101
Display Name:	line1
Extension Options	
Direct DID:	
DID Alert Info:	
Outbound CID:	
Emergency CID:	
Record Incoming:	On Demand 💌
Record Outgoing:	On Demand 💌
Device Options	
secret	123456
dtmfmode	rfc2833

- Isi Extensions Number : Misal 101
- Isi Display Name : Misal line1
- Isi Secret : Misal 123456
- Kemudian Klik Submit
   Submit

• Add SIP Extensions digunakan untuk membuat/menambahkan Client.

• Extensions = User/No VoIP • secret = Password

tree Pl	have made changes - when finished, click here t • Setu	o APPLY them up • Tools • Reports • Panel • Recordings
		Setup
Administrators	Add SIP Extension	Add Extension
Extensions		line1 <101>
General Settings	Add Extension	
Inbound Routes		
Outbound Routes	Extension Number:	
Trunks	Display Name:	

• Klik You have made changes-when finished, click here to APPLY them

Untuk menyimpan hasil perubahan.

Klik Menu Trunks



Klik Menu Add SIP Trunk

Administrators	Add a Trunk	
Extensions	Add ZAD Trupk	
General Settings		
Inbound Routes	Add IAX2 Trunk	
Outbound Routes	Add SIP Trunk	
Trunks	Add ENUM Trunk	
	Add Custom Trunk	

- Trunk Name : Isikan voiprakyat.or.id
- Host = Voiprakyat.or.id
- username = voiprakyat.or.id
- Secret= Password
- Register String :

(Username : password@voiprakyat.or.id)

• Klik **Submit Changes** untuk menyelesaikan konfigurasi

Outgoing Settings					
Trunk Name: voiprakyat.c	ir.id				
host=voiprakyat.or.id username=25627 secret=abc5484 type=peer					
Incoming Settings					
USER Context:					
USER Details:					
type=user context=from-trunk					
	~				
Registration					
Register String: 25627:abc5484@voiprakyat.or.id					
	Submit Changes				

reeP	• Setup	Tools      Reports      Panel      Recording
		Setu
Administrators	Edit SIP Trunk	Add Trunk
Extensions		Trunk ZAP/g0
General Settings	<u>Delete Trunk voiprakyat.or.id</u>	Trunk SIP/voiprakyat
Inbound Routes	In use by 2 routes	
Outbound Routes	General Settings	
Trunks		
	Outbound Caller ID:	
	Maximum channels:	

• Klik You have made changes-when finished, click here to APPLY them

Untuk menyimpan hasil perubahan.



- Route Name: Isikan voiprakyat.or.id
- Dial Patterns Isi misal 6|x.
- Trunk Squence Pilih SIP/voiprakyat.or.id
- Klik Add untuk menambahkan

**Outbound Routes** 

Route Name:	voiprakyat.or.id	
Route Password:		
Emergency Dialing:		
Dial Patterns		
	6 x.	
	~	
	Clean & Remove duplicates	
Insert:	Pick pre-defined patterns 💌	
Trunk Sequence		

You have made changes - when finished, click here to APPLY them • Setup • Tools • Reports • Panel • Re		them ols • Reports • Panel • Recordings
		Setup
Administrators	Add Route	Add Route
Extensions		0 9_outside
General Settings	Route Name:	3
Inbound Routes	Route Password:	1 voiprakyat.or.id
Outbound Routes	Emergency Dialing:	<b>2</b>
Trunks	Dial Patterns	

• Klik You have made changes-when finished, click here to APPLY them

Untuk menyimpan hasil perubahan.

#### KETERANGAN

- Extensions
  - Merupakan data account extensions (atau client)
- Trunks
  - Merupakan data account trunks (atau server lain)
- Outbound Routes
  - Merupakan aturan dial yang akan dimanfaatkan oleh extensions untuk menghubungi trunks

### Terima Kasih Dan Selamat Mencoba

### KONTAK

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