

LAMPIRAN I

KONFIGURASI ASTERISK

Konfigurasi sip.conf

```
;
; SIP Configuration for Asterisk
;
; Syntax for specifying a SIP device in extensions.conf is
; SIP/devicename where devicename is defined in a section below.
;
; You may also use
; SIP/username@domain to call any SIP user on the Internet
; (Don't forget to enable DNS SRV records if you want to use this)
;
; If you define a SIP proxy as a peer below, you may call
; SIP/proxyhostname/user or SIP/user@proxyhostname
; where the proxyhostname is defined in a section below
;
; Useful CLI commands to check peers/users:
; sip show peers          Show all SIP peers (including
friends)
; sip show users          Show all SIP users (including
friends)
; sip show registry       Show status of hosts we register
with
;
; sip debug                Show all SIP messages
;
; reload chan_sip.so      Reload configuration file
;                          Active SIP peers will not be reconfigured
;

[general]

context=default           ; Default context for incoming calls
;recordhistory=yes        ; Record SIP history by default
;                          ; (see sip history / sip no history)
;realm=192.168.50.42      ; Realm for digest authentication
;                          ; defaults to "asterisk"
;                          ; Realms MUST be globally unique according
to RFC 3261
;                          ; Set this to your host name or domain
name
port=5060                 ; UDP Port to bind to (SIP standard port
is 5060)
bindaddr=0.0.0.0          ; IP address to bind to (0.0.0.0 binds to
all)
srvlookup=yes             ; Enable DNS SRV lookups on outbound
calls
```

```

; Note: Asterisk only uses the first host
; in SRV records
; Disabling DNS SRV lookups disables the
; ability to place SIP calls based on
domain
; names to some other SIP users on the
Internet

pedantic=yes ; Enable slow, pedantic checking for
Pingtel
; and multiline formatted headers for
strict
; SIP compatibility (defaults to "no")
;tos=184 ; Set IP QoS to either a keyword
or numeric val
;tos=lowdelay
lowdelay,throughput,reliability,mincost,none
;maxexpirey=3600 ; Max length of incoming registration we
allow
;defaultexpirey=120 ; Default length of incoming/outoing
registration
;notifymimeyype=text/plain ; Allow overriding of mime type in
MWI NOTIFY
videosupport=no ; Turn on support for SIP video
rtccachefriends=yes
disallow=all ; First disallow all codecs
allow=g729
allow=g723
allow=gsm
allow=ilbc
allow=ulaw
allow=alaw
allow=h263p
allow=h263
; Note: codec order is respected only in
[general]
;musicclass=default ; Sets the default music on hold
class for all SIP calls
; This may also be set for individual
users/peers
;language=en ; Default language setting for all
users/peers
; This may also be set for individual
users/peers
;relaxdtmf=yes ; Relax dtmf handling
rtptimeout=60 ; Terminate call if 60 seconds of no
RTP activity
; when we're not on hold
rtpholdtimeout=300 ; Terminate call if 300 seconds of
no RTP activity
; when we're on hold (must be >
rtptimeout)
;trustrid = no ; If Remote-Party-ID should be
trusted
;progressinband=no ; If we should generate in-band
ringing always

```

```

useragent=192.168.50.42 ; Allows you to change the user agent
string
;nat=no ; NAT settings
; yes = Always ignore info and
assume NAT ; no = Use NAT mode only according
to RFC3581 ; never = Never attempt NAT mode
or RFC3581 support ; route = Assume NAT, don't send rport
(work around more UNIDEN bugs)
;promiscredir = no ; If yes, allows 302 or REDIR to non-local
SIP address
; ; Note that promiscredir when redirects
are made to the ; local system will cause loops since SIP
is incapable ; of performing a "hairpin" call.
;
; If regcontext is specified, Asterisk will dynamically
; create and destroy a NoOp priority 1 extension for a given
; peer who registers or unregisters with us. The actual extension
; is the 'regexten' parameter of the registering peer or its
; name if 'regexten' is not provided. More than one regexten may
; be supplied
; if they are separated by '&'. Patterns may be used in regexten.
;
;regcontext=iaxregistrations
;
; Asterisk can register as a SIP user agent to a SIP proxy
(provider)
; Format for the register statement is:
; register =>
user[:secret[:authuser]]@host[:port][/extension]
;
; If no extension is given, the 's' extension is used. The
extension
; needs to be defined in extensions.conf to be able to accept
calls
; from this SIP proxy (provider)
;
; host is either a host name defined in DNS or the name of a
; section defined below.
;
; Examples:
;
;register => 1234:password@mysipprovider.com
;
; This will pass incoming calls to the 's' extension
;
;
;register => 2345:password@sip_proxy/1234
;
; Register 2345 at sip provider 'sip_proxy'. Calls from this
provider connect to local

```

```

; extension 1234 in extensions.conf default context, unless you
define
; unless you configure a [sip_proxy] section below, and
configure a context.
; Tip 1: Avoid assigning hostname to a sip.conf section like
[provider.com]
; Tip 2: Use separate type=peer and type=user sections for
SIP providers
; (instead of type=friend) if you have calls
in both directions

;externip = 200.201.202.203 ; Address that we're going to put in
outbound SIP messages
; if we're behind a NAT

; The externip and localnet is used
; when registering and communicating with
other proxies
; that we're registered with
; You may add multiple local networks. A
reasonable set of defaults
; are:
;localnet=192.168.0.0/255.255.0.0; All RFC 1918 addresses are
local networks
;localnet=10.0.0.0/255.0.0.0 ; Also RFC1918
;localnet=172.16.0.0/12 ; Another RFC1918 with CIDR notation
;localnet=169.254.0.0/255.255.0.0 ;Zero conf local network

;externip=192.168.50.42

;fromdomain=192.168.50.42

;localnet=10.0.0.0/8
;localnet=172.16.0.0/12
;localnet=192.168.0.0/16
;localnet=169.254.0.0/16

qualify=yes

;-----
;-----
; Users and peers have different settings available. Friends have
all settings,
; since a friend is both a peer and a user
;
; User config options:      Peer configuration:
; -----                  -----
; context                  context
; permit                  permit
; deny                    deny
; secret                  secret
; md5secret              md5secret
; dtmfmode                dtmfmode
; canreinvite            canreinvite
; nat                    nat
; callgroup              callgroup

```

```

; pickupgroup                pickupgroup
; language                    language
; allow                       allow
; disallow                    disallow
; insecure                    insecure
; trustrpid                   trustrpid
; progressinband              progressinband
; promiscredir                promiscredir
; callerid
; accountcode
; amaflags
; incominglimit
; restrictcid
;
;                               mailbox
;                               username
;                               template
;                               fromdomain
;                               regexten
;                               fromuser
;                               host
;                               mask
;                               port
;                               qualify
;                               defaulttip
;                               rtptimeout
;                               rtpholdtimeout

;[sip_proxy]
; For incoming calls only. Example: FWD (Free World Dialup)
;type=user
;context=from-fwd

;[sip_proxy-out]
;type=peer                    ; we only want to call out, not be
called
;secret=guessit
;username=yourusername        ; Authentication user for outbound
proxies
;fromuser=yourusername        ; Many SIP providers require this!
;host=box.provider.com

;[grandstream1]
;type=friend                    ; either "friend" (peer+user),
"peer" or "user"
;context=from-sip
;fromuser=grandstream1        ; overrides the callerid, e.g.
required by FWD
;callerid=John Doe <1234>
;host=192.168.0.23            ; we have a static but private IP
address
;nat=no                        ; there is not NAT between phone and
Asterisk
;canreinvite=yes              ; allow RTP voice traffic to bypass
Asterisk
;dtmfmode=info                ; either RFC2833 or INFO for the
BudgetTone

```

```

;incominglimit=1          ; permit only 1 outgoing call at a time
                          ; from the phone to asterisk
;mailbox=1234@default     ; mailbox 1234 in voicemail context
"default"
;disallow=all            ; need to disallow=all before we can
use allow=
;allow=ulaw              ; Note: In user sections the order of
codexs
                          ; listed with allow= does NOT matter!

;allow=alaw
;allow=g723.1            ; Asterisk only supports g723.1
pass-thru!
;allow=g729              ; Pass-thru only unless g729 license
obtained

#include sip_additional.conf
[40001]
type=friend
secret=abc1
host=dynamic
username=40001
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=ulaw
allow=alaw
allow=ilbc
allow=gsm
context=default

[40002]
type=friend
secret=abc2
host=dynamic
username=40002
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=ulaw
allow=alaw
allow=ilbc
allow=gsm
context=default

[40003]
type=friend
secret=abc3
host=dynamic
username=40003
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm

```

```
context=default
```

```
[40004]  
type=friend  
secret=abc4  
host=dynamic  
username=40004  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40005]  
type=friend  
secret=abc5  
host=dynamic  
username=40005  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40006]  
type=friend  
secret=abc6  
host=dynamic  
username=40006  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40007]  
type=friend  
secret=abc7  
host=dynamic  
username=40007  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40008]  
type=friend  
secret=abc8  
host=dynamic  
username=40008  
nat=no
```



```
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40009]
type=friend
secret=abc9
host=dynamic
username=40009
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40010]
type=friend
secret=abc10
host=dynamic
username=40010
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40011]
type=friend
secret=abc11
host=dynamic
username=40011
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40012]
type=friend
secret=abc12
host=dynamic
username=40012
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40013]
type=friend
```




```
secret=abc13
host=dynamic
username=40013
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40014]
type=friend
secret=abc14
host=dynamic
username=40014
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40015]
type=friend
secret=abc15
host=dynamic
username=40015
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40016]
type=friend
secret=abc16
host=dynamic
username=40016
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40017]
type=friend
secret=abc17
host=dynamic
username=40017
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
```



context=default

```
[40018]
type=friend
secret=abc18
host=dynamic
username=40018
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40019]
type=friend
secret=abc19
host=dynamic
username=40019
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40020]
type=friend
secret=abc20
host=dynamic
username=40020
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40021]
type=friend
secret=abc21
host=dynamic
username=40021
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40022]
type=friend
secret=abc22
host=dynamic
username=40022
nat=no
```



```
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40023]
type=friend
secret=abc23
host=dynamic
username=40023
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40024]
type=friend
secret=abc24
host=dynamic
username=40024
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40025]
type=friend
secret=abc25
host=dynamic
username=40025
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40026]
type=friend
secret=abc26
host=dynamic
username=40026
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40027]
type=friend
```



```
secret=abc27
host=dynamic
username=40027
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40028]
type=friend
secret=abc28
host=dynamic
username=40028
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40029]
type=friend
secret=abc29
host=dynamic
username=40029
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40030]
type=friend
secret=abc30
host=dynamic
username=40030
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40031]
type=friend
secret=abc31
host=dynamic
username=40031
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
```



```
context=default
```

```
[40032]  
type=friend  
secret=abc32  
host=dynamic  
username=40032  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40033]  
type=friend  
secret=abc33  
host=dynamic  
username=40033  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40034]  
type=friend  
secret=abc34  
host=dynamic  
username=40034  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40035]  
type=friend  
secret=abc35  
host=dynamic  
username=40035  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

```
[40036]  
type=friend  
secret=abc36  
host=dynamic  
username=40036  
nat=no
```



```
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40037]
type=friend
secret=abc37
host=dynamic
username=40037
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40038]
type=friend
secret=abc38
host=dynamic
username=40038
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40039]
type=friend
secret=abc39
host=dynamic
username=40039
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40040]
type=friend
secret=abc40
host=dynamic
username=40040
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40041]
type=friend
```



```
secret=abc41
host=dynamic
username=40041
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40042]
type=friend
secret=abc42
host=dynamic
username=40042
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40043]
type=friend
secret=abc43
host=dynamic
username=40043
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40044]
type=friend
secret=abc44
host=dynamic
username=40044
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40045]
type=friend
secret=abc45
host=dynamic
username=40045
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
```



context=default

```
[40046]
type=friend
secret=abc46
host=dynamic
username=40046
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40047]
type=friend
secret=abc47
host=dynamic
username=40047
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40048]
type=friend
secret=abc48
host=dynamic
username=40048
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40049]
type=friend
secret=abc49
host=dynamic
username=40049
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40050]
type=friend
secret=abc50
host=dynamic
username=40050
nat=no
```




```
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40051]
type=friend
secret=abc51
host=dynamic
username=40051
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40052]
type=friend
secret=abc52
host=dynamic
username=40052
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40053]
type=friend
secret=abc53
host=dynamic
username=40053
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40054]
type=friend
secret=abc54
host=dynamic
username=40054
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40055]
type=friend
```



```
secret=abc55
host=dynamic
username=40055
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40056]
type=friend
secret=abc56
host=dynamic
username=40056
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40057]
type=friend
secret=abc57
host=dynamic
username=40057
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40058]
type=friend
secret=abc58
host=dynamic
username=40058
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
context=default
```

```
[40059]
type=friend
secret=abc59
host=dynamic
username=40059
nat=no
dtmfmode=rfc2833
;canreinvite=yes
disallow=all
allow=gsm
```



```
context=default
```

```
[40060]  
type=friend  
secret=abc60  
host=dynamic  
username=40060  
nat=no  
dtmfmode=rfc2833  
;canreinvite=yes  
disallow=all  
allow=gsm  
context=default
```

Konfigurasi extensions.conf

```
;  
; Static extension configuration file, used by  
; the pbx_config module. This is where you configure all your  
; inbound and outbound calls in Asterisk.  
;  
;  
; The "General" category is for certain variables.  
;  
[general]  
;  
; If static is set to no, or omitted, then the pbx_config will  
rewrite  
; this file when extensions are modified. Remember that all  
comments  
; made in the file will be lost when that happens.  
;  
; XXX Not yet implemented XXX  
;  
static=yes  
;  
; if static=yes and writeprotect=no, you can save dialplan by  
; CLI command 'save dialplan' too  
;  
writeprotect=no  
autofallthrough=yes  
  
; You can include other config files, use the #include command  
(without the ';')  
; Note that this is different from the "include" command that  
includes contexts within  
; other contexts. The #include command works in all asterisk  
configuration files.  
#include "filename.conf"  
  
; The "Globals" category contains global variables that can be  
referenced
```

```

; in the dialplan with ${VARIABLE} or ${ENV(VARIABLE)} for
Environmental variable
; ${${VARIABLE}} or ${text${VARIABLE}} or any hybrid
;
[globals]
;CONSOLE=Console/dsp                ; Console interface for
demo
;CONSOLE=Zap/1
;CONSOLE=Phone/phone0
;IAXINFO=guest                        ; IAXtel
username/password
;IAXINFO=myuser:mypass
;TRUNK=Zap/g2                          ; Trunk interface
;TRUNKMSD=1                            ; MSD digits to strip (usually
1 or 0)
;TRUNK=IAX2/user:pass@provider

;
; Any category other than "General" and "Globals" represent
; extension contexts, which are collections of extensions.
;
; Extension names may be numbers, letters, or combinations
; thereof. If an extension name is prefixed by a '_'
; character, it is interpreted as a pattern rather than a
; literal. In patterns, some characters have special meanings:
;
; X - any digit from 0-9
; Z - any digit from 1-9
; N - any digit from 2-9
; [1235-9] - any digit in the brackets (in this example,
1,2,3,5,6,7,8,9)
; . - wildcard, matches anything remaining (e.g. _9011. matches
; anything starting with 9011 excluding 9011 itself)
;
; For example the extension _NXXXXXX would match normal 7 digit
dialings,
; while _1NXXNXXXXXX would represent an area code plus phone
number
; preceded by a one.
;
; Each step of an extension is ordered by priority, which must
; always start with 1 to be considered a valid extension.
;
; Contexts contain several lines, one for each step of each
; extension, which can take one of two forms as listed below,
; with the first form being preferred. One may include another
; context in the current one as well, optionally with a
; date and time. Included contexts are included in the order
; they are listed.
;
;[context]
;exten => someexten,priority,application(arg1,arg2,...)
;exten => someexten,priority,application,arg1|arg2...
;
; Timing list for includes is
;

```

```

; <time range>|<days of week>|<days of month>|<months>
;
;include => daytime|9:00-17:00|mon-fri|*|*
;
; ignorepat can be used to instruct drivers to not cancel dialtone
upon
; receipt of a particular pattern. The most commonly used example
is
; of course '9' like this:
;
;ignorepat => 9
;
; so that dialtone remains even after dialing a 9.
;
; # for when they're done with the demo
;
;exten => #,1,Playback(demo-thanks) ; "Thanks for trying the
demo"
;exten => #,2,Hangup ; Hang them up.
;
; A timeout and "invalid extension rule"
;
;exten => t,1,Goto(#,1) ; If they take too long, give
up
;exten => i,1,Playback(invalid) ; "That's not valid, try
again"
;exten => 1000,1,Goto(default,s,1)
;
; We also create an example user, 1234, who is on the console and
has
; voicemail, etc.
;
;exten => 1234,1,Playback(transfer,skip) ; "Please hold
while..."
; (but skip if channel is not up)
;exten => 1234,2,Macro(stdexten,1234,${CONSOLE})
;
;exten => 1235,1,Voicemail(u1234) ; Right to voicemail
;
;exten => 1236,1,Dial(Console/dsp) ; Ring forever
;exten => 1236,2,Voicemail(u1234) ; Unless busy
;
; Create an extension, 500, for dialing the
; Asterisk demo.
;
;exten => 500,1,Playback(demo-abouttotry); Let them know what's
going on
;exten => 500,2,Dial(IAX2/guest@misery.digium.com/s@default)
; Call the Asterisk demo
;exten => 500,3,Playback(demo-nogo) ; Couldn't connect to the demo
site
;exten => 500,4,Goto(s,6) ; Return to the start over
message.

```

```

;
; Create an extension, 600, for evaluating echo latency.
;
;exten => 600,1,Playback(demo-echotest) ; Let them know what's
going on
;exten => 600,2,Echo ; Do the echo test
;exten => 600,3,Playback(demo-echodone) ; Let them know it's
over
;exten => 600,4,Goto(s,6) ; Start over

;[mainmenu]
;
; Example "main menu" context with submenu
;
;exten => s,1,Answer
;exten => s,2,Background(thanks) ; "Thanks for calling
press 1 for sales, 2 for support, ..."
;exten => 1,1,Goto(submenu,s,1)
;exten => 2,1,Hangup
;include => default
;
;[submenu]
;exten => s,1,Ringing ; Make them
comfortable with 2 seconds of ringback
;exten => s,2,Wait,2
;exten => s,3,Background(submenuopts) ; "Thanks for calling
the sales department. Press 1 for steve, 2 for..."
;exten => 1,1,Goto(default,steve,1)
;exten => 2,1,Goto(default,mark,2)

;[default]
;
; By default we include the demo. In a production system, you
; probably don't want to have the demo there.
;
;include => demo

;
; Extensions like the two below can be used for FWD, Nikotel,
sipgate etc.
; Note that you must have a [sipprovider] section in sip.conf
whereas
; the otherprovider.net example does not require such a peer
definition
;
;exten => _41X.,1,Dial(SIP/${EXTEN:2}@sipprovider,,r)
;exten =>
_42X.,1,Dial(SIP/user:passwd@${EXTEN:2}@otherprovider.net,30,rT)

; Real extensions would go here. Generally you want real
extensions to be 4 or 5
; digits long (although there is no such requirement) and start
with a single
; digit that is fairly large (like 6 or 7) so that you have plenty
of room to

```

```

; overlap extensions and menu options without conflict. You can
alias them with
; names, too and use global variables

;exten => 6245, hint, SIP/Grandstream1&SIP/Xlite1 ; Channel hints
for presence
;exten => 6245,1,Dial(SIP/Grandstream1,20,rt) ; permit transfer
;exten => 6245,1,Dial(${HINT},20,rtT) ; Use hint as
listed
;exten => 6361,1,Dial(IAX2/JaneDoe,,rm) ; ring without
time limit
;exten => 6389,1,Dial(MGCP/aaln/1@192.168.0.14)
;exten => 6394,1,Dial(Local/6275/n) ; this will dial ${MARK}

;exten => 6275,1,Macro(stdexten,6275,${MARK}) ; assuming ${MARK}
is something like Zap/2
;exten => mark,1,Goto(6275|1) ; alias mark to 6275
;exten => 6536,1,Macro(stdexten,6236,${WIL}) ; Ditto for wil
;exten => wil,1,Goto(6236|1)
;
; Some other handy things are an extension for checking voicemail
via
; voicemailmain
;
;exten => 8500,1,VoicemailMain
;exten => 8500,2,Hangup
;
; Or a conference room (you'll need to edit meetme.conf to enable
this room)
;
;exten => 8600,1,Meetme(1234)
;
; Or playing an announcement to the called party, as soon it
answers
;
;exten = 8700,1,Dial(${MARK},30,A(/path/to/my/announcemsg))
;
; For more information on applications, just type "show
applications" at your
; friendly Asterisk CLI prompt.
;
; 'show application <command>' will show details of how you
; use that particular application in this file, the dial plan.
;

; -----
-----

[demo]
;
; We start with what to do when a call first comes in.
;
exten => s,1,Wait,1 ; Wait a second, just for fun
exten => s,2,Answer ; Answer the line
exten => s,3,DigitTimeout,5 ; Set Digit Timeout to 5
seconds

```

```

exten => s,4,ResponseTimeout,10      ; Set Response Timeout to 10
seconds
exten => s,5,BackGround(demo-congrats) ; Play a congratulatory
message
exten => s,6,BackGround(demo-instruct) ; Play some instructions

exten => 2,1,BackGround(demo-moreinfo) ; Give some more
information.
exten => 2,2,Goto(s,6)

exten => 3,1,SetLanguage(fr)          ; Set language to french
exten => 3,2,Goto(s,5)                ; Start with the
congratulations

exten => 500,1,Playback(demo-abouttotry); Let them know what's
going on
exten => 500,2,Dial(IAX2/guest@misery.digium.com/s@default) ; Call
the Asterisk demo
exten => 500,3,Playback(demo-nogo)     ; Couldn't connect to the demo
site
exten => 500,4,Goto(s,6)              ; Return to the start over
message.

exten => 600,1,Playback(demo-echotest) ; Let them know what's
going on
exten => 600,2,Echo                    ; Do the echo test
exten => 600,3,Playback(demo-echodone) ; Let them know it's
over
exten => 600,4,Goto(s,6)              ; Start over

exten => 1234,1,Playback(transfer,skip)
exten => 1234,2,Macro(stdexten,1234,${CONSOLE})

exten => 8500,1,VoicemailMain
exten => 8500,2,Hangup

exten => #,1,Playback(demo-thanks)    ; "Thanks for trying the demo"
exten => #,2,Hangup                  ; Hang them up.

exten => t,1,Goto(#,1)                ; If they take too long, give
up
exten => i,1,Playback(invalid)        ; "That's not valid, try
again"

[default]

include => macro-stdexten
include => demo
; demo call handler
exten => 900,1,Goto(demo,s,1)

; current server time
exten => 901,1,Ringing
exten => 901,2,Wait,2
exten => 901,3,SayUnixTime(ABdYIMp)
exten => 901,4,Hangup

```



```

; noise tests
exten => 902,1,Ringing
exten => 902,2,Wait,2
exten => 902,3,Playback(tt-monkeysintro)
exten => 902,4,Playback(tt-somethingwrong)
exten => 902,5,Playback(tt-monkeys)
exten => 902,6,Playback(privacy-thankyou)
exten => 902,7,Hangup

; echo tests
exten => 903,1,Ringing
exten => 903,2,Wait,2
exten => 903,3,Playback(demo-echotest) ; Let them know what's
going on
exten => 903,4,Echo ; Do the echo test
exten => 903,5,Playback(demo-echodone) ; Let them know it's
over
exten => 903,6,Hangup

; voicemail access
exten => 904,1,Ringing
exten => 904,2,Wait,2
exten => 904,3,VoicemailMain,s${CALLERIDNUM}
exten => 904,4,Hangup

; dial extensions on trunk VoIP Rakyat
exten => _0X.,1,Ringing
exten => _0X.,2,Wait,2
exten => _0X.,3,Dial(SIP/tovoiprakyat/${EXTEN}|30)
exten => _0X.,4,Hangup

; dial 40001
exten => 40001,1,Ringing
exten => 40001,2,Wait,2
exten => 40001,3,Dial(SIP/40001,20,rt)
exten => 40001,4,Hangup

;dial 40002
exten => 40002,1,Ringing
exten => 40002,2,Wait,2
exten => 40002,3,Dial(SIP/40002,20,rt)
exten => 40002,4,Hangup

; dial 40003
exten => 40003,1,Ringing
exten => 40003,2,Wait,2
exten => 40003,3,Dial(SIP/40003,20,rt)
exten => 40003,4,Hangup

; dial 40004
exten => 40004,1,Ringing
exten => 40004,2,Wait,2
exten => 40004,3,Dial(SIP/40004,20,rt)
exten => 40004,4,Hangup

```

```
; dial 40005
exten => 40005,1,Ringing
exten => 40005,2,Wait,2
exten => 40005,3,Dial(SIP/40005,20,rt)
exten => 40005,4,Hangup

; dial 40006
exten => 40006,1,Ringing
exten => 40006,2,Wait,2
exten => 40006,3,Dial(SIP/40006,20,rt)
exten => 40006,4,Hangup

; dial 40007
exten => 40007,1,Ringing
exten => 40007,2,Wait,2
exten => 40007,3,Dial(SIP/40007,20,rt)
exten => 40007,4,Hangup

; dial 40008
exten => 40008,1,Ringing
exten => 40008,2,Wait,2
exten => 40008,3,Dial(SIP/40008,20,rt)
exten => 40008,4,Hangup

; dial 40009
exten => 40009,1,Ringing
exten => 40009,2,Wait,2
exten => 40009,3,Dial(SIP/40009,20,rt)
exten => 40009,4,Hangup

; dial 40010
exten => 40010,1,Ringing
exten => 40010,2,Wait,2
exten => 40010,3,Dial(SIP/40010,20,rt)
exten => 40010,4,Hangup

; dial 40011
exten => 40011,1,Ringing
exten => 40011,2,Wait,2
exten => 40011,3,Dial(SIP/40011,20,rt)
exten => 40011,4,Hangup

; dial 40012
exten => 40012,1,Ringing
exten => 40012,2,Wait,2
exten => 40012,3,Dial(SIP/40012,20,rt)
exten => 40012,4,Hangup

; dial 40013
exten => 40013,1,Ringing
exten => 40013,2,Wait,2
exten => 40013,3,Dial(SIP/40013,20,rt)
exten => 40013,4,Hangup

; dial 40014
exten => 40014,1,Ringing
```

```
exten => 40014,2,Wait,2
exten => 40014,3,Dial(SIP/40014,20,rt)
exten => 40014,4,Hangup
```

```
; dial 40015
exten => 40015,1,Ringing
exten => 40015,2,Wait,2
exten => 40015,3,Dial(SIP/40015,20,rt)
exten => 40015,4,Hangup
```

```
; dial 40016
exten => 40016,1,Ringing
exten => 40016,2,Wait,2
exten => 40016,3,Dial(SIP/40016,20,rt)
exten => 40016,4,Hangup
```

```
; dial 40017
exten => 40017,1,Ringing
exten => 40017,2,Wait,2
exten => 40017,3,Dial(SIP/40017,20,rt)
exten => 40017,4,Hangup
```

```
; dial 40018
exten => 40018,1,Ringing
exten => 40018,2,Wait,2
exten => 40018,3,Dial(SIP/40018,20,rt)
exten => 40018,4,Hangup
```

```
; dial 40019
exten => 40019,1,Ringing
exten => 40019,2,Wait,2
exten => 40019,3,Dial(SIP/40019,20,rt)
exten => 40019,4,Hangup
```

```
; dial 40020
exten => 40020,1,Ringing
exten => 40020,2,Wait,2
exten => 40020,3,Dial(SIP/40020,20,rt)
exten => 40020,4,Hangup
```

```
; dial 40021
exten => 40021,1,Ringing
exten => 40021,2,Wait,2
exten => 40021,3,Dial(SIP/40021,20,rt)
exten => 40021,4,Hangup
```

```
; dial 40022
exten => 40022,1,Ringing
exten => 40022,2,Wait,2
exten => 40022,3,Dial(SIP/40022,20,rt)
exten => 40022,4,Hangup
```

```
; dial 40023
exten => 40023,1,Ringing
exten => 40023,2,Wait,2
exten => 40023,3,Dial(SIP/40023,20,rt)
```

```
exten => 40023,4,Hangup

; dial 40024
exten => 40024,1,Ringing
exten => 40024,2,Wait,2
exten => 40024,3,Dial(SIP/40024,20,rt)
exten => 40024,4,Hangup

; dial 40025
exten => 40025,1,Ringing
exten => 40025,2,Wait,2
exten => 40025,3,Dial(SIP/40025,20,rt)
exten => 40025,4,Hangup

; dial 40026
exten => 40026,1,Ringing
exten => 40026,2,Wait,2
exten => 40026,3,Dial(SIP/40026,20,rt)
exten => 40026,4,Hangup

; dial 40027
exten => 40027,1,Ringing
exten => 40027,2,Wait,2
exten => 40027,3,Dial(SIP/40027,20,rt)
exten => 40027,4,Hangup

; dial 40028
exten => 40028,1,Ringing
exten => 40028,2,Wait,2
exten => 40028,3,Dial(SIP/40028,20,rt)
exten => 40028,4,Hangup

; dial 40029
exten => 40029,1,Ringing
exten => 40029,2,Wait,2
exten => 40029,3,Dial(SIP/40029,20,rt)
exten => 40029,4,Hangup

; dial 40030
exten => 40030,1,Ringing
exten => 40030,2,Wait,2
exten => 40030,3,Dial(SIP/40030,20,rt)
exten => 40030,4,Hangup

; dial 40031
exten => 40031,1,Ringing
exten => 40031,2,Wait,2
exten => 40031,3,Dial(SIP/40031,20,rt)
exten => 40031,4,Hangup

; dial 40032
exten => 40032,1,Ringing
exten => 40032,2,Wait,2
exten => 40032,3,Dial(SIP/40032,20,rt)
exten => 40032,4,Hangup
```

```
; dial 40033
exten => 40033,1,Ringing
exten => 40033,2,Wait,2
exten => 40033,3,Dial(SIP/40033,20,rt)
exten => 40033,4,Hangup
```

```
; dial 40034
exten => 40034,1,Ringing
exten => 40034,2,Wait,2
exten => 40034,3,Dial(SIP/40034,20,rt)
exten => 40034,4,Hangup
```

```
; dial 40035
exten => 40035,1,Ringing
exten => 40035,2,Wait,2
exten => 40035,3,Dial(SIP/40035,20,rt)
exten => 40035,4,Hangup
```

```
; dial 40036
exten => 40036,1,Ringing
exten => 40036,2,Wait,2
exten => 40036,3,Dial(SIP/40036,20,rt)
exten => 40036,4,Hangup
```

```
; dial 40037
exten => 40037,1,Ringing
exten => 40037,2,Wait,2
exten => 40037,3,Dial(SIP/40037,20,rt)
exten => 40037,4,Hangup
```

```
; dial 40038
exten => 40038,1,Ringing
exten => 40038,2,Wait,2
exten => 40038,3,Dial(SIP/40038,20,rt)
exten => 40038,4,Hangup
```

```
; dial 40039
exten => 40039,1,Ringing
exten => 40039,2,Wait,2
exten => 40039,3,Dial(SIP/40039,20,rt)
exten => 40039,4,Hangup
```

```
; dial 40040
exten => 40040,1,Ringing
exten => 40040,2,Wait,2
exten => 40040,3,Dial(SIP/40040,20,rt)
exten => 40040,4,Hangup
```

```
; dial 40041
exten => 40041,1,Ringing
exten => 40041,2,Wait,2
exten => 40041,3,Dial(SIP/40041,20,rt)
exten => 40041,4,Hangup
```

```
; dial 40042
exten => 40042,1,Ringing
```

```
exten => 40042,2,Wait,2
exten => 40042,3,Dial(SIP/40042,20,rt)
exten => 40042,4,Hangup
```

```
; dial 40043
exten => 40043,1,Ringing
exten => 40043,2,Wait,2
exten => 40043,3,Dial(SIP/40043,20,rt)
exten => 40043,4,Hangup
```

```
; dial 40044
exten => 40044,1,Ringing
exten => 40044,2,Wait,2
exten => 40044,3,Dial(SIP/40044,20,rt)
exten => 40044,4,Hangup
```

```
; dial 40045
exten => 40045,1,Ringing
exten => 40045,2,Wait,2
exten => 40045,3,Dial(SIP/40045,20,rt)
exten => 40045,4,Hangup
```

```
; dial 40046
exten => 40046,1,Ringing
exten => 40046,2,Wait,2
exten => 40046,3,Dial(SIP/40046,20,rt)
exten => 40046,4,Hangup
```

```
; dial 40047
exten => 40047,1,Ringing
exten => 40047,2,Wait,2
exten => 40047,3,Dial(SIP/40047,20,rt)
exten => 40047,4,Hangup
```

```
; dial 40048
exten => 40048,1,Ringing
exten => 40048,2,Wait,2
exten => 40048,3,Dial(SIP/40048,20,rt)
exten => 40048,4,Hangup
```

```
; dial 40049
exten => 40049,1,Ringing
exten => 40049,2,Wait,2
exten => 40049,3,Dial(SIP/40049,20,rt)
exten => 40049,4,Hangup
```

```
; dial 40050
exten => 40050,1,Ringing
exten => 40050,2,Wait,2
exten => 40050,3,Dial(SIP/40050,20,rt)
exten => 40050,4,Hangup
```

```
; dial 40051
exten => 40051,1,Ringing
exten => 40051,2,Wait,2
exten => 40051,3,Dial(SIP/40051,20,rt)
```

```
exten => 40051,4,Hangup

; dial 40052
exten => 40052,1,Ringing
exten => 40052,2,Wait,2
exten => 40052,3,Dial(SIP/40052,20,rt)
exten => 40052,4,Hangup

; dial 40053
exten => 40053,1,Ringing
exten => 40053,2,Wait,2
exten => 40053,3,Dial(SIP/40053,20,rt)
exten => 40053,4,Hangup

; dial 40054
exten => 40054,1,Ringing
exten => 40054,2,Wait,2
exten => 40054,3,Dial(SIP/40054,20,rt)
exten => 40054,4,Hangup

; dial 40055
exten => 40055,1,Ringing
exten => 40055,2,Wait,2
exten => 40055,3,Dial(SIP/40055,20,rt)
exten => 40055,4,Hangup

; dial 40056
exten => 40056,1,Ringing
exten => 40056,2,Wait,2
exten => 40056,3,Dial(SIP/40056,20,rt)
exten => 40056,4,Hangup

; dial 40057
exten => 40057,1,Ringing
exten => 40057,2,Wait,2
exten => 40057,3,Dial(SIP/40057,20,rt)
exten => 40057,4,Hangup

; dial 40058
exten => 40058,1,Ringing
exten => 40058,2,Wait,2
exten => 40058,3,Dial(SIP/40058,20,rt)
exten => 40058,4,Hangup

; dial 40059
exten => 40059,1,Ringing
exten => 40059,2,Wait,2
exten => 40059,3,Dial(SIP/40059,20,rt)
exten => 40059,4,Hangup

; dial 40060
exten => 40060,1,Ringing
exten => 40060,2,Wait,2
exten => 40060,3,Dial(SIP/40060,20,rt)
exten => 40060,4,Hangup
```

LAMPIRAN II

PERANCANGAN WEB

config.php

```
<?

$conf_db['host'] = "localhost";
$conf_db['user'] = "root";
$conf_db['pass'] = "123456";
$conf_db['name'] = "donny_kurniawan";

// First assigned number
$conf_first_number = "40000";

// SIP or IAX2 domain to be used in this server
$voip_domain = "192.168.50.42";

// do not change below properties unless you know what you're
doing

// below files must be writable by webserver's user and group
// for easy setup, just chmod 666 each of these files
$conf_sip = "/etc/asterisk/sip_additional.conf";
$conf_iax = "/etc/asterisk/iax_additional.conf";
$conf_h323 = "/etc/asterisk/h323_additional.conf";
$conf_voicemail = "/etc/asterisk/voicemail_additional.conf";

// below files do not need to be chmod
// unless your cron program is not running as root
$conf_peers_sip = "/var/log/asterisk/peers_sip";
$conf_peers_iax = "/var/log/asterisk/peers_iax";
$conf_peers_h323 = "/var/log/asterisk/peers_h323";

?>
```

footer.php

```
</td><td valign=top align=right>

<script type="text/javascript"><!--
google_ad_client = "pub-5292607411754951";
google_ad_width = 160;
google_ad_height = 600;
google_ad_format = "160x600_as";
google_ad_type = "text";
google_ad_channel = "4409143269";
```



```

google_color_border = "FF4500";
google_color_bg = "FFEBCD";
google_color_link = "DE7008";
google_color_url = "E0AD12";
google_color_text = "8B4513";
//--></script>
<script type="text/javascript"
  src="http://pagead2.googlesyndication.com/pagead/show_ads.js">
</script>

<br><br>
<div align=center>

<script type="text/javascript"><!--
google_ad_client = "pub-5292607411754951";
google_ad_width = 110;
google_ad_height = 32;
google_ad_format = "110x32_as_rimg";
google_cpa_choice = "CAAQ2ZCazgEaCCvPXrFfpg_0KPmNxxQ";
//--></script>
<script type="text/javascript"
src="http://pagead2.googlesyndication.com/pagead/show_ads.js">
</script>

<br><br>

<script type="text/javascript"><!--
google_ad_client = "pub-5292607411754951";
google_ad_width = 120;
google_ad_height = 60;
google_ad_format = "120x60_as_rimg";
google_cpa_choice = "CAAQ2eOZzgEaCD4zuVkdzt_CKI-293M";
//--></script>
<script type="text/javascript"
src="http://pagead2.googlesyndication.com/pagead/show_ads.js">
</script>

</div>
</td></tr>
</table>

</body>
</html>

```

gantipassword.php

```

<?
include "header.php";

$submit = $_POST['submit'];

if ($submit)
{
  $ok = false;

```

```

$phone = $_POST['phone'];
$secret = $_POST['secret'];
$new_secret = $_POST['new_secret'];
if ($phone && $secret && $new_secret)
{
    $db_query = "SELECT secret FROM tblUser WHERE
phone='$phone'";
    $db_result = mysql_query($db_query);
    $db_row = @mysql_fetch_array($db_result);
    $current_secret = $db_row['secret'];
    if ($current_secret && ($current_secret==$secret))
    {
        $secret = $new_secret;
        $db_query = "UPDATE tblUser SET
new_password='$new_secret',flag_update='1' WHERE phone='$phone'";
        $db_result = mysql_query($db_query);
        if (@mysql_affected_rows())
        {
            $ok = true;
        }
    }
}
if ($ok)
{
    $content = "
<p>SELAMAT !!!
<p>Anda Berhasil Mengganti Password.
<p>Nomor Telp Anda : $phone
<p>Password Anda Yang Baru : $new_secret
<p>Password Anda akan aktif setelah 5 menit.
<p>Harap simpan informasi ini, Jangan Lupa !
<p>Terima Kasih
<p>
<li>Kembali ke <a href=index.php>home</a>
";
}
else
{
    $content = "
<p>MAAF !!!
<p>Anda Gagal Mengganti Password
<p>
<li>Silahkan Coba <a href=gantipassword.php>Lagi</a>
atau kembali ke <a href=index.php>home</a>
";
}
echo $content;
}
else
{
    $content = "
<table cellpadding=1 cellspacing=1 border=0>
<form action=gantipassword.php method=post>
<tr><td colspan=3>Ganti Password</td></tr>
<tr><td colspan=3>&nbsp;</td></tr>

```

```

        <tr><td><p>Nomor Telp Anda</td><td> : </td><td><input
type=text maxlength=50 size=20 name=phone></td></tr>
        <tr><td><p>Password Anda</td><td> : </td><td><input
type=text maxlength=200 size=20 name=secret></td></tr>
        <tr><td><p>Password Anda Yang Baru</td><td> :
</td><td><input type=text maxlength=50 size=20
name=new_secret></td></tr>
        <tr><td colspan=3>&nbsp;</td></tr>
        <tr><td colspan=3><p><input type=submit class=button
name=submit value=Change></td></tr>
    </form>
</table>
<p>
<li>Kembali ke <a href=index.php>home</a>
";
    echo $content;
}

include "footer.php";
?>

```

header.php

```

<?
include "init.php";
?>

<html>
<head>
<title>VoIP Unika Soegijapranata</title>
<META HTTP-EQUIV="CACHE-CONTROL" CONTENT="NO-CACHE">
<META HTTP-EQUIV="EXPIRES" CONTENT="Mon, 14 Jul 1980 11:12:01
GMT">
<META HTTP-EQUIV="PRAGMA" CONTENT="NO-CACHE">
<meta name="description" content="VoIP Rakyat is an Indonesian
VoIP Network originally based on SIP, and now enhanced to use
other protocol as well such as IAX2 and H323">
<meta name="keywords" content="voip, rakyat, voiprakyat.net,
indonesia, sip, iax2, h323, codec, g723, g711, g729">
<meta name="author" content="Anton Raharja
http://sleepless.ngoprek.org">
<meta name="robots" content="index, follow">
<link rel="stylesheet" type="text/css" href="common.css">
</head>
<body>
<h1>VoIP Unika</h1>
<p>

<table width=100% cellpadding=1 cellspacing=1 border=0>
<tr><td width=100% valign=top align=left>

```

index.php

```
<? include "header.php"; ?>

<p>
<table cellpadding=1 cellspacing=3 border=5>
<tr><td>Nama</td><td> : </td><td>Donny Kurniawan</td></tr>
<tr><td>NIM</td><td> : </td><td>04.50.0018</td></tr>
<tr><td>Status</td><td> : </td><td>TA</td></tr>
<tr><td>Hardware</td><td> : </td><td>PC, Pentium IV 1.8 GHz, RAM 1
GB</td></tr>
<tr><td>Software</td><td> : </td><td>Linux SuSE 9.3, Asterisk
1.2.13</td></tr>
<tr><td>Protokol</td><td> : </td><td>SIP</td></tr>
<tr><td>Codec</td><td> : </td><td>gsm, ilbc, g711</td></tr>
<tr><td>SIP gateway</td><td> :
</td><td><?=$voip_domain?></td></tr>
</table>
<p>

<h2>Menu Utama:</h2>
<ul>
<li><a href="register.php">Register Nomor Telp</a></li>
<li><a href="gantipassword.php">Ganti Password</a></li>
<li><a href="phonebook.php">Lihat Phonebook</a></li>
</ul>

<? include "footer.php"; ?>
```

init.php

```
<?
include "config.php";
include "lib/function.php";
?>
```

phonebook.php

```
<?
include "header.php";

$page = $_GET['page'];
if(!$page){$page = 1;}

$line_per_page = 30;
$sip_peers_online = sip_peers_online();
$num_of_sip_peers = count($sip_peers_online);

$sip_peers_online = sip_peers_online();
$num_of_sip_peers = count($sip_peers_online);
$content .= "
```

```

<p>
<p>Online SIP phones: $num_of_sip_peers
<p>
<table cellpadding=1 cellspacing=1 border=0 width=710>
<tr>
    <td class=box_title width=10>*</td>
    <td class=box_title width=100>Nomor Telp</td>
    <td class=box_title width=200>Nama</td>
    <td class=box_title width=200>Lokasi</td>
    <td class=box_title width=200>Status</td>
</tr>
";
$j = 0;
for($i=0;$i<count($sip_peers_online);$i++)
{
    $j++;
    $peers = $sip_peers_online[$i];
    $phone = $peers[0];
    $ip = $peers[1];
    $status = $peers[2];
    $db_query = "SELECT realname,location FROM tblUser WHERE
phone='$phone'";
    $db_result = mysql_query($db_query);
    $db_row = @mysql_fetch_array($db_result);
    $realname = $db_row['realname'];
    $location = $db_row['location'];
    $str_param = "bgcolor=#e0e0e0";
    if($j % 2){$str_param="bgcolor=#f0f0f0";}
    $content .= "
    <tr $str_param>
        <td class=box_text>$j.</td>
        <td class=box_text><center>$phone</center></td>
        <td class=box_text>$realname</td>
        <td class=box_text>$location</td>
        <td class=box_text><center>$status</center></td>
    </tr>
";
}
$content .= "
</table>
<font size=-2>Note: update per menit</font>
";

$db_query = "SELECT count(*) as count FROM tblUser WHERE
flag_configured='1'";
$db_result = mysql_query($db_query);
$db_row = mysql_fetch_array($db_result);
$num_rows = $db_row['count'];

$pages = ceil($num_rows/$line_per_page);
$nav_pages = "<a href=phonebook.php?page=1><<</a> ";
for($i=1;$i<=$pages;$i++)
{
    if ($i == $page)
    {

```

```

        $nav_pages .= "$i ";
    }
    else
    {
        $nav_pages .= "<a href=phonebook.php?page=$i>$i</a> ";
    }
}
$nav_pages .= "<a href=phonebook.php?page=$pages>>></a>";

$limit = ($page-1)*$line_per_page;

$content .= "
<p>
<p>Register Nomor Telpon:
<p>
$nav_pages
<table cellpadding=1 cellspacing=1 border=0 width=505>
<tr>
<td class=box_title width=5>*</td>
<td class=box_title width=90>Nomor Telp</td>
<td class=box_title width=200>Nama</td>
<td class=box_title width=200>Lokasi</td>
</tr>
";
$db_query = "SELECT realname,location,phone FROM tblUser WHERE
flag_configured='1' ORDER BY phone DESC LIMIT
$limit,$line_per_page";
$db_result = mysql_query($db_query);
$i=$num_rows+1-$limit;
while ($db_row = @mysql_fetch_array($db_result))
{
    $realname = $db_row['realname'];
    $location = $db_row['location'];
    $phone= $db_row['phone'];
    $i--;
    $str_param = "bgcolor=#e0e0e0";
    if($i % 2){$str_param="bgcolor=#f0f0f0";}
    $content .= "
<tr $str_param>
<td class=box_text>$i.</td>
<td class=box_text><center>$phone</center></td>
<td class=box_text>$realname</td>
<td class=box_text>$location</td>
</tr>
";
}
$content .= "
</table>
$nav_pages
<p>
<li>Kembali ke <a href=index.php>home</a>
";
echo $content;

include "footer.php";
?>

```

phpinfo.php

```
<?
phpinfo();
?>
```

register.php

```
<?
include "header.php";

$submit = $_POST['submit'];

if ($submit)
{
    $ok = false;
    $realname = $_POST['realname'];
    $email = $_POST['email'];
    $location = $_POST['location'];
    if ($realname && $email && $location)
    {
        $phone = "ERROR";
        $username = "ERROR";
        $secret = "ERROR";
        $callerid = $realname;
        $mailbox = "ERROR";
        $db_query = "
            INSERT INTO tblUser
            (creation_datetime, realname, email, location, protocol,
            phone, username, secret, host, callerid, context, dtmfmode,
            mailbox, nat, canreininvite, flag_configured, flag_inactive)
            VALUES
            (NOW(), '$realname', '$email', '$location', 'all', '$phone', '$username',
            '$secret', 'dynamic', '$callerid', 'default', 'rfc2833', '$mailbox', 'n
            o', 'yes', '1', '1')
            ";
        $db_result = mysql_query($db_query);
        $last_insert_id = mysql_insert_id();
        if ($last_insert_id)
        {
            $phone = $conf_first_number + $last_insert_id;
            $username = $phone;
            $secret = "abc".$last_insert_id;
            $mailbox = $phone;
            $db_query = "UPDATE tblUser SET
            phone='$phone', username='$username', secret='$secret', mailbox='$mai
            lbox', flag_inactive='0' WHERE id='$last_insert_id'";
            $db_result = mysql_query($db_query);
            if (mysql_affected_rows())
            {
                $ok = true;
            }
        }
    }
}
if ($ok)
```

```

{
    $content = "
        <p>Hallo $realname, Anda Telah Berhasil Melakukan
Registrasi Nomor Telp.
        <p>Nomor Telp Anda : $phone
        <p>Username Anda adalah Nomor Telp Anda ($username)
        <p>Password Anda : $secret
        <p>VoIP server : 192.168.50.42
        <p>Account VoIP Anda dapat digunakan setelah 1 menit.
        <p>Simpan informasi ini! Jangan Lupa!
        <p>Terima Kasih.
        <p>
        <li>Kembali ke <a href=index.php>home</a>
    ";
}
else
{
    $content = "
        <p>MAAF !!!
        <p>Anda Gagal Melakukan Registrasi Nomor Telp.
        <p>
        <li>Silahkan Register <a href=register.php>Lagi</a> atau
kembali ke <a href=index.php>home</a>
    ";
}
echo $content;
}
else
{
    $content = "
        <table cellpadding=1 cellspacing=1 border=0>
        <form action=register.php method=post>
        <tr><td colspan=3>Register Nomor Telp</td></tr>
        <tr><td colspan=3>&nbsp;</td></tr>
        <tr><td>Nama</td><td> : </td><td><input type=text
maxlength=50 size=20 name=realname></td></tr>
        <tr><td>Email</td><td> : </td><td><input type=text
maxlength=200 size=20 name=email></td></tr>
        <tr><td>Lokasi (Kota)</td><td> : </td><td><input type=text
maxlength=50 size=20 name=location></td></tr>
        <tr><td colspan=3>&nbsp;</td></tr>
        <tr><td colspan=3>Note: gunakan alamat email dan lokasi
anda</td></tr>
        <tr><td colspan=3>&nbsp;</td></tr>
        <tr><td colspan=3><input type=submit class=button
name=submit value=Register></td></tr>
        </form>
        </table>
        <p>
        <li>Kembali ke <a href=index.php>home</a>
    ";
    echo $content;
}

include "footer.php";
?>

```


astconfconn.php

```
<?php
//return message variable
function conf_add_record ($file_name, $id, $username, $secret,
$callerid, $host, $type, $context, $dtmfmode, $nat, $canreininvite)
{
    $fn = fopen($file_name, "a+");
    $content = ";BEGIN
$id\n[$id]\nntype=$type\nusername=$username\nsecret=$secret\nhost=$
host\ncallerid=$callerid
<$id>\ncontext=$context\ndtmfmode=$dtmfmode\nmailbox=$id\nnat=$nat
\ncanreininvite=$canreininvite\n;END $id\n\n";

    $ok = false;

    $string = "";
    while (!feof($fn)){
        $string .= fgets($fn, 255);
    }

    if(!ereg("BEGIN $id", $string))
    {
        fputs($fn, $content);
        fclose($fn);
        $ok = true;
    }

    return $ok;
}

function conf_add_voicemail ($file_name, $id, $realname, $email)
{
    $fn = fopen($file_name, "a+");
    $content = ";BEGIN $id\n$id => $id,$realname,$email\n;END
$id\n\n";

    $ok = false;

    $string = "";
    while (!feof($fn)){
        $string .= fgets($fn, 255);
    }

    if(!ereg("BEGIN $id", $string))
    {
        fputs($fn, $content);
        fclose($fn);
        $ok = true;
    }

    return $ok;
}

//return array result
function conf_get_record($file_name, $id)
{
```

```

$arr_file = file($file_name);
$cnt = 0;
$read_start = "";
$read_end = "";
foreach($arr_file as $file_content)
{
    if ($file_content=="BEGIN $id\n"){ $read_start = $cnt;}
    if ($file_content=="END $id\n") { $read_end = $cnt; }
    $cnt++;
}

if ($read_start==" AND $read_end==" )
{
    $result = array();
}
else
{
    for($i=$read_start; $i<=$read_end; $i++)
    {
        $result[] = $arr_file[$i];
    }
}
return $result;
}

//return message variable
function conf_del_record($file_name, $id)
{
    $arr_file = file($file_name);
    $cnt = 0;
    $read_start = "";
    $read_end = "";

    $ok = false;

    foreach($arr_file as $file_content)
    {
        if ($file_content=="BEGIN $id\n"){ $read_start = $cnt;}
        if ($file_content=="END $id\n") { $read_end = $cnt; }
        $cnt++;
    }

    if (!(($read_start==" AND $read_end==" ))
    {
        if (count($arr_file)==13)
        {
            $fn = fopen($file_name, "w+");
            fputs($fn, "");
            fclose($fn);
        }
        else
        {
            //if first row
            if ($read_start==0)
            {

```

```

    $fn = fopen($file_name, "w+");
    $string = "";
    for ($i=13; $i<count($arr_file); $i++)
    {
        $string .= $arr_file[$i];
    }
    fputs($fn, $string);
    fclose($fn);
}
//if last row
elseif (count($arr_file)==($read_end+2))
{
    $fn = fopen($file_name, "w+");
    $string = "";
    for ($i=0; $i<=($read_start-2); $i++)
    {
        $string .= $arr_file[$i];
    }
    $string .= "\n";

    fputs($fn, $string);
    fclose($fn);
}
// if middle row
else
{
    $fn = fopen($file_name, "w+");
    $string = "";
    for ($i=0; $i<=($read_start-2); $i++)
    {
        $string .= $arr_file[$i];
    }

    $string .= "\n";

    for ($i=($read_end+2); $i<count($arr_file); $i++)
    {
        $string .= $arr_file[$i];
    }

    fputs($fn, $string);
    fclose($fn);
}
}
}
    $ok = true;
}
return $ok;
}

//return message variable
function conf_update_record($file_name, $id, $username, $secret,
$callerid, $host, $type, $context, $dtmfmode, $nat, $canreininvite)
{
    $arr_file = file($file_name);
    $cnt = 0;
    $read_start = "";

```

```

$read_end = "";

$ok = false;

foreach($arr_file as $file_content)
{
    if ($file_content=="BEGIN $id\n"){ $read_start = $cnt;}
    if ($file_content=="END $id\n") { $read_end = $cnt; }
    $cnt++;
}

if (!(($read_start==" AND $read_end=="))
{
    if (count($arr_file)==13)
    {
        $fn = fopen($file_name, "w+");
        fputs($fn, "");
        fclose($fn);
    }
    else
    {
        for($i=$read_start; $i<=$read_end; $i++)
        {
            $content_current[] = $arr_file[$i];
        }

        //if first row
        if ($read_start==0)
        {
            $fn = fopen($file_name, "w+");
            $string = "";
            for ($i=13; $i<count($arr_file); $i++)
            {
                $string .= $arr_file[$i];
            }
            fputs($fn, $string);
            fclose($fn);
        }
        //if last row
        elseif (count($arr_file)==($read_end+2))
        {
            $fn = fopen($file_name, "w+");
            $string = "";
            for ($i=0; $i<=($read_start-2); $i++)
            {
                $string .= $arr_file[$i];
            }
            $string .= "\n";

            fputs($fn, $string);
            fclose($fn);
        }
        // if middle row
        else
        {
            $fn = fopen($file_name, "w+");

```

```

$string = "";
for ($i=0; $i<=($read_start-2); $i++)
{
    $string .= $arr_file[$i];
}

$string .= "\n";

for ($i=($read_end+2); $i<count($arr_file); $i++)
{
    $string .= $arr_file[$i];
}

fputs($fn, $string);
fclose($fn);
}
}

//set update
$fn = fopen($file_name, "a+");

$string_update = ";BEGIN
$id\n[$id]\ntype=$type\nusername=$username\nsecret=$secret\nhost=$
host\ncallerid=$callerid
<$id>\ncontext=$context\ndtmfmode=$dtmfmode\n";
$string_update .=
"mailbox=$id\nnat=$nat\ncanreinvite=$canreinvite\n;END $id\n\n";

fputs($fn, $string_update);
fclose($fn);

$ok = true;
}
return $ok;
}
?>

```

function.php

```

<?
$server =
@mysql_connect($conf_db['host'],$conf_db['user'],$conf_db['pass'])
or die("Fail to connect to DB server");
@mysql_select_db($conf_db['name']) or die("Fail to select DB");
include "astconfconn.php";
include "logger.php";
include "usermgmnt.php";
?>

```

logger.php

```

<?

function sip_peers_online()
{
    global $conf_peers_sip, $conf_peers_iax;

```

```

$fd = @fopen($conf_peers_sip,"r");
$peers_content = @fread($fd,filesize($conf_peers_sip));
@fclose($fd);
$peers_online = array();
$lines = explode("\n",$peers_content);
$j = 0;
for($i=0;$i<count($lines);$i++)
{
    $peers = explode("                ",$lines[$i]);
    $phones = trim($peers[0]);
    $next_peers = trim($peers[1]);

    $peers = explode("D    N",$next_peers);
    $sip = trim($peers[0]);
    $next_peers = trim($peers[1]);
    $phone = explode("/",$phones);
    $phone = $phone[0];

    $peers = explode("    ",$next_peers);
    $status = trim($peers[1]);

    if ($phone && $sip && ($sip!="Unspecified"))
    {
        if (is_phone_exists($phone))
        {
            $sip_peers_online[$j] = array($phone,$sip,$status);
            $j++;
        }
    }
}
return $sip_peers_online;
}

function iax_peers_online()
{
    global $conf_peers_iax, $conf_peers_iax;
    $fd = @fopen($conf_peers_iax,"r");
    $peers_content = @fread($fd,filesize($conf_peers_iax));
    @fclose($fd);
    $peers_online = array();
    $lines = explode("\n",$peers_content);
    $j = 0;
    for($i=0;$i<count($lines);$i++)
    {
        $peers = explode("255.255.255.255",$lines[$i]);
        $phones_and_ip = trim($peers[0]);
        $statuses = trim($peers[1]);

        $peers = explode("                ",$phones_and_ip);
        $phones = trim($peers[0]);
        $phone = explode("/",$phones);
        $phone = $phone[0];

        $sips = $peers[1];
        $next_peers = trim($sips);
        $peers = explode("(D)", $next_peers);
    }
}

```

```

    $sip = trim($peers[0]);

    $peers = explode(" ", $statuses);
    $status = trim($peers[1]);

    if ($phone && $sip && ($sip!="(Unspecified)"))
    {
        if (is_phone_exists($phone))
        {
            $iax_peers_online[$j] = array($phone, $sip, $status);
            $j++;
        }
    }
}
return $iax_peers_online;
}
?>

```

usermgmnt.php

```

<?
function is_phone_exists($phone)
{
    $db_query = "SELECT id FROM tblUser WHERE phone='$phone' AND
flag_inactive='0' LIMIT 1";
    $db_result = mysql_query($db_query);
    if ($db_row = mysql_fetch_array($db_result))
    {
        return true;
    }
    return false;
}
?>

```

LAMPIRAN III

DATABASE

```
DROP TABLE IF EXISTS `tblUser`;
CREATE TABLE `tblUser` (
  `id` int(11) NOT NULL auto_increment,
  `creation_datetime` datetime NOT NULL default '0000-00-00
00:00:00',
  `phone` varchar(20) NOT NULL default '',
  `username` varchar(20) NOT NULL default '',
  `secret` varchar(20) NOT NULL default '',
  `new_password` varchar(20) NOT NULL default '',
  `realname` varchar(50) NOT NULL default '',
  `email` varchar(50) NOT NULL default '',
  `location` varchar(50) NOT NULL default '',
  `protocol` varchar(20) NOT NULL default '',
  `host` varchar(20) NOT NULL default '',
  `callerid` varchar(20) NOT NULL default '',
  `context` varchar(20) NOT NULL default '',
  `dtmfmode` varchar(20) NOT NULL default '',
  `mailbox` varchar(20) NOT NULL default '',
  `nat` varchar(20) NOT NULL default '',
  `canreinvite` varchar(20) NOT NULL default '',
  `flag_configured` tinyint(4) NOT NULL default '0',
  `flag_inactive` tinyint(4) NOT NULL default '0',
  `flag_update` tinyint(4) NOT NULL default '0',
  PRIMARY KEY (`id`)
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```