

It's the manu for relay server

1、install

- 1) wget http://118.142.51.162/update/relay_install-2.068.sh, download the package at /root
- 2) sh relay_install-2.068.sh , to install
- 3) cd /root/relay
- 4) modify the file relay.cfg (the indicated parts are needed midifing)

RELAY_PORT=21080

UDP_PORT=1701

TCP_PORT=1701

PATA=--listen

8) modify another file run_relaysrv

```
#!/bin/sh
export PATH=/bin:/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
### Base setting ###
. /root/relay/relay1.cfg
NCLIENTS=10000
DEBUG_PORT=`expr $RELAY_PORT + 1`
### With mysql setting ###
DB_HOST=localhost
DB_USER=relay
DB_PW=relay_pw
DB_NAME=relay_db
DB_TABLE=relay_table
RELAY_USER=username
RELAY_PW=password
### CPU threaded and Port range setting ###
NCPU=`grep "^processor" /proc/cpuinfo | wc -l`
procs=`ps -e`
if echo "$procs" | grep -q avs
then
    PORT_RANGE="-r 5000-10000"
else
    PORT_RANGE="-r 5000-60000"
fi
[ -z "$NCPU" ] && NCPU=2
ulimit -n 10000
start_relay()
{
```

```

        /root/relay/relaysrv -n $NCPU -p $RELAY_PORT -c $NCLIENTS -L $DEBUG_P
ORT -u $UDP_PORT -t $TCP_PORT $PORT_RANGE
    }
start_relay_listen()
{
    /root/relay/relaysrv -n $NCPU -p $RELAY_PORT -c $NCLIENTS -L $DEBUG_P
ORT -u $UDP_PORT -t $TCP_PORT $PORT_RANGE --listen
}
start_mysql()
{
    /root/relay/relaysrv -n $NCPU -p $RELAY_PORT -c $NCLIENTS -L $DEBUG_P
ORT -u $UDP_PORT -t $TCP_PORT $PORT_RANGE --listen -a "/root/relay/relayaut
h_mysql.so:$DB_HOST,$DB_USER,$DB_PW,$DB_NAME,$DB_TABLE,$RELAY_USE
R,$RELAY_PW"
}
start_sqlite()
{
    /root/relay/relaysrv -n $NCPU -p $RELAY_PORT -c $NCLIENTS -L $DEBUG_P
ORT -u $UDP_PORT -t $TCP_PORT $PORT_RANGE --listen -a "/root/relay/relayaut
h_sqlite.so:/root/relay/srv.sql,srvdb,Username,Password"
}
case "$PATA" in
    stop)
        killall relaysrv >/dev/null 2>/dev/null
        sleep 1
        echo "Relay Server stop ..."
        ;;
    --listen)
        killall relaysrv >/dev/null 2>/dev/null
        sleep 1
        start_relay_listen
        echo "Relay Server Listen ... "
        ;;
    --mysql)
        killall relaysrv >/dev/null 2>/dev/null
        start_mysql
        echo "Relay server start with mysql database ..."
        ;;
    --sqlite)
        killall relaysrv >/dev/null 2>/dev/null
        sleep 1
        start_sqlite
        echo "Relay server start with sqlite database..."
        ;;

```

```
--help)
  echo "Usage: run_relaysrv {--start|--stop|--listen|--mysql|--sqlite|--help
}"
;;
*)
  killall relaysrv >/dev/null 2>/dev/null
  sleep 1
  start_relay
  echo "Relay Server start by default ..."
;;
esac
exit 0
```

8) start relay server: /root/relay/run_relaysrv
/root/relay/run_relaysrv
/root/relay/run_sqlwebd

9) stop relay server: killall relaysrv

2、 Manage the relay by web interface

Log on http://your_ip:8089, the default user and passwd are both admin
Then you can manage the relay server

Don't forget to set your gateway as below:

Configurations -> Call settings -> advanced settings<< & media settings<<



Advanced Settings<<

Signaling Port

NAT Keep-alive Enable Disable

P2P Enable Disable

Virtual Ringback Enable Disable

Register Mode

Advanced Timing>>

DTMF Signaling

Outband DTMF type

RTP Payload Type

Signaling QoS

Signaling Encryption

Signaling NAT Traversal

Address

Port

User

Password

Encryption

Backup Relay Server 1

Backup Relay Server 2

Backup Relay Server 3

Backup Relay Server 4

Media Settings<<

RTP Port Range -

PacketLength(ms)

Jitter Buffer

Media QoS

Media Encryption

Symmetric RTP

Media NAT Traversal

Address

Port

User Name

Password

Encryption

Relay Mode

Enable Relay Extend

Backup Relay Server 1

Backup Relay Server 2

Backup Relay Server 3

Backup Relay Server 4