It's the manu for relay server

1、install

1) wget http://118.142.51.162/update/relay_install-2.0610.sh, download the package at /root
2) sh relay_install-2.0610.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

```sh
#!/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<<		Media Settings<<
Signaling Port	5060	**RTP Port Range**	16384 - 32768
NAT Keep-alive	⦿ Enable ○ Disable	**PacketLength(ms)**	20
P2P	○ Enable ⦿ Disable	**Jitter Buffer**	Adaptive ▼
Virtual Ringback	○ Enable ⦿ Disable	**Media QoS**	None ▼
Register Mode	Mode 1 ▼	**Media Encryption**	None ▼
	Advanced Timing>>		☑ Symmetric RTP
DTMF Signaling	Outband ▼	**Media NAT Traversal**	Relay Proxy ▼
Outband DTMF type	RFC 2833 ▼	**Address**	118.142.51.162
RTP Payload Type	101	**Port**	21080
Signaling QoS	None ▼	**User Name**	admin
Signaling Encryption	None ▼	**Password**	•••••
Signaling NAT Traversal	Relay Proxy ▼		☑ Encryption
Address	118.142.51.162	**Relay Mode**	1 ▼
Port	21080		☐ Enable Relay Extend
User	admin	**Backup Relay Server 1**	
Password	•••••	**Backup Relay Server 2**	
	☑ Encryption	**Backup Relay Server 3**	
Backup Relay Server 1		**Backup Relay Server 4**	
Backup Relay Server 2			
Backup Relay Server 3			
Backup Relay Server 4			