

# VoIP

## FreePBX Asterisk RTP and Call Monitoring Script

We created this script to assist with constant monitoring of RTP streams and calls in Asterisk/FreePBX. We typically save it to the root of a FreePBX system, name it "chanmonitor" and run `chmod +x /chanmonitor` to make it executable. It runs the following commands every two seconds and displays it in a formatted fashion.

To monitor just PJSIP:

```
#!/bin/bash

while true
do
    clear
    echo -e "\e[33mCurrent PJSIP Peers / Contacts:\e[39m"
    asterisk -rx 'pjsip show contacts'
    echo -e "\e[33mCurrent PJSIP Statistics / Active Calls:\e[39m"
    asterisk -rx 'pjsip show channelstats'
    sleep 2
done
```

To monitor SIP & PJSIP:

```
asterisk -rx 'sip show peers'
asterisk -rx 'sip show channelstats'
asterisk -rx 'pjsip show contacts'
asterisk -rx 'pjsip show channelstats'

#!/bin/bash

while true
do
    clear
    echo -e "\e[33mCurrent Chan_SIP Peers:\e[39m"
    asterisk -rx 'sip show peers'
    echo -e "\e[33mCurrent Chan_SIP RTP Statistics / Active Calls:\e[39m"
    asterisk -rx 'sip show channelstats'
    echo ""
    echo -e "\e[33mCurrent PJSIP Peers / Contacts:\e[39m"
    asterisk -rx 'pjsip show contacts'
    echo -e "\e[33mCurrent PJSIP Statistics / Active Calls:\e[39m"
    asterisk -rx 'pjsip show channelstats'
    sleep 2
done
```

It looks like this when you run it.

# VoIP

## Current PJSIP Peers / Contacts:

```
Contact: <Aor/ContactUri.....> <Hash....> <Status> <RTT(ms)..>
=====
Contact: 201/sip:201@98.153.58.190:1217;x-ast-orig-host d740a87efb Avail      24.923
Contact: 202/sip:202@98.153.58.190:1230;x-ast-orig-host 0feacac99e Avail      21.963
Contact: 203/sip:203@98.153.58.190:1213;x-ast-orig-host b67319401d Avail      23.850
Contact: 204/sip:204@98.153.58.190:1233;x-ast-orig-host be80d347e1 Avail      24.246
Contact: 205/sip:205@98.153.58.190:64070;x-ast-orig-hos 54bbc31379 Avail      23.005
Contact: 206/sip:206@98.153.58.190:1232;x-ast-orig-host bc4e79dea2 Avail      22.068
Contact: 209/sip:209@98.153.58.190:1211;x-ast-orig-host f3d5ee98af Avail      23.361
Contact: Flowroute/sip:04496083@us-west-or.sip.flowrout 47cfa74d15 Avail      26.462
```

Objects found: 8

## Current PJSIP Statistics / Active Calls:

```
.....Receive..... ..Transmit.....
BridgeId ChannelId ..... UpTime.. Codec.   Count    Lost Pct  Jitter   Count    Lost Pct  Jitter RTT...
=====
1c2f7528 Flowroute-0000000a 00:00:17 ulaw      899       0  0  0.000    523       0  0  0.000  0.058
```

Objects found: 1

Unique solution ID: #1039

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