Linux

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.

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```
Contact: <Aor/ContactUri............> <Hash...> <Status> <RTT(ms)..>
 Contact: 201/sip:201098.153.58.190:1217;x-ast-orig-host d740a87efb Avail
                                                                                                                          24.923
 Contact: 202/sip:202098.153.58.190:1230;x-ast-orig-host 0feacac99e Avail Contact: 203/sip:203098.153.58.190:1213;x-ast-orig-host b67319401d Avail
                                                                                                                          21.963
                                                                                                                          23.850
 Contact: 203/sip:203698.153.58.190:1213;x-ast-orig-nost b6/319401d AVail Contact: 204/sip:204698.153.58.190:1233;x-ast-orig-host be80d347e1 Avail Contact: 205/sip:205698.153.58.190:64070;x-ast-orig-host bc4e79dea2 Avail Contact: 206/sip:206698.153.58.190:1232;x-ast-orig-host bc4e79dea2 Avail
                                                                                                                          23.005
                                                                                                                          22.068
 Contact: 209/sip:209@98.153.58.190:1211;x-ast-orig-host f3d5ee98af Avail Contact: Flowroute/sip:04496083@us-west-or.sip.flowrout 47cfa74d15 Avail
                                                                                                                          26.462
Objects found: 8
BridgeId ChannelId ....... UpTime.. Codec. Count Lost Pct Jitter Count Lost Pct Jitter RTT....
1c2f7528 Flowroute-0000000a 00:00:17 ulaw
                                                                                    0 0.000
                                                                                                                            0 0 0.000 0.058
Objects found: 1
```

Unique solution ID: #1039

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