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.

Linux

```
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
Author: n/a
Last update: 2024-08-15 08:20