

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.

```
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"
    echo "-----"
    asterisk -rx 'sip show peers'
    echo
```

```
"-----"
-----"
```

```
    echo ""
    echo -e "\e[33mCurrent Chan_SIP RTP Statistics / Active Calls:\e[39m"
    echo "-----"
    asterisk -rx 'sip show channelstats'
    echo
```

```
"-----"
-----"
```

```
    echo ""
    echo -e "\e[33mCurrent PJSIP Peers / Contacts:\e[39m"
    echo "-----"
    asterisk -rx 'pjsip show contacts'
    echo
```

```
"-----"
-----"
```

```
    echo ""
    echo -e "\e[33mCurrent PJSIP Statistics / Active Calls:\e[39m"
    echo "-----"
    asterisk -rx 'pjsip show channelstats'
    echo
```

```
"-----"
-----"
```

```
    sleep 2
done
```

It looks like this when you run it.

VoIP

```
Current Chan_SIP Peers:
-----
Name/username      Host                Dyn Forcerport Comedia  ACL Port  Status      Description
8494/8494           10.1.2.111          D No         No      A 5061     OK (48 ms)
8496/8496           10.1.2.129          D No         No      A 5060     OK (17 ms)
8499/8499           10.1.2.127          D No         No      A 5060     OK (12 ms)
8502/8502           10.1.2.136          D No         No      A 5060     OK (17 ms)
8504/8504           10.1.2.122          D No         No      A 5060     OK (9 ms)
8505/8505           10.1.2.119          D No         No      A 5060     OK (10 ms)
8507/8507           10.1.2.134          D No         No      A 5060     OK (16 ms)
8518/8518           10.1.2.111          D No         No      A 5060     OK (47 ms)
8522/8522           10.1.2.123          D No         No      A 5060     OK (10 ms)
8523/8523           10.1.2.131          D No         No      A 5060     OK (8 ms)
8524/8524           10.1.2.138          D No         No      A 5060     OK (16 ms)
vital-inbound/pano_pbx 66.241.99.106      Yes         Yes     5060     OK (65 ms)
vital-outbound/pano_pbx 64.2.142.216      Yes         Yes     5060     OK (153 ms)
13 sip peers [Monitored: 13 online, 0 offline Unmonitored: 0 online, 0 offline]
-----

Current Chan_SIP RTP Statistics / Active Calls:
-----
Peer      Call ID      Duration Recv: Pack  Lost      (    %) Jitter Send: Pack  Lost      (    %) Jitter
64.2.142.9  09afd8816d6  00:17:05 0000051206  0000000001 ( 0.00%) 0.0000 0000051209 0000000000 ( 0.00%) 0.0005
10.1.2.136  977fc3c0a5f  00:17:05 0000051209  0000000000 ( 0.00%) 0.0000 0000051206 0000000000 ( 0.00%) 0.0001
2 active SIP channels
-----

Current PJSIP Peers/Contacts:
-----
Contact:  <Aor/ContactUri.....> <Hash....> <Status> <RTT(ms)..>
-----
Contact:  8508/sip:8508@10.1.2.128:5060      ac4e8889f9 Avail      16.225
Contact:  8508/sip:8508@66.27.69.149:1024    95f0224f97 Avail      89.155
Contact:  8509/sip:8509@10.1.2.124:5060      f2791c5cae1 Avail      9.383
Objects found: 3
-----

Current PJSIP Statistics / Active Calls:
-----
No objects found.
-----
```

Unique solution ID: #1039

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Last update: 2021-02-01 04:33