

# 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.

```
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.

# Linux

```
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)
vitel-inbound/pano_pbx 66.241.99.106     Yes          Yes     5060     OK (65 ms)
vitel-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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