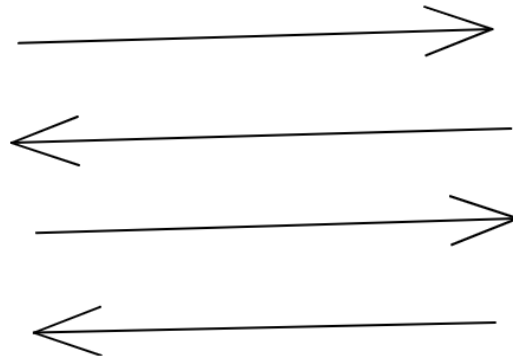


SIPp

Introduction and Installation

SIPp




Asterisk™


KAMAILIO


FreeSWITCH

UAC

Scenario file:  uac.xml

SIPp	UAC	Remote
	(1) INVITE	
	----->	
	(2) 100 (optional)	
	<-----	
	(3) 180 (optional)	
	<-----	
	(4) 200	
	<-----	
	(5) ACK	
	----->	
	(6) PAUSE	
	(7) BYE	
	----->	
	(8) 200	
	<-----	

SIPP Integrated Scenarios

```
1  <?xml version="1.0" encoding="ISO-8859-1" ?>
2  <!DOCTYPE scenario SYSTEM "sipp.dtd">
3
4
5  <scenario name="Basic Sipstone UAC">
6      <!-- In client mode (sipp placing calls), the Call-ID MUST be -->
7      <!-- generated by sipp. To do so, use [call_id] keyword. -->
8      <send retrans="500">
9          <![CDATA[
10
11              INVITE sip:[service]@[remote_ip]:[remote_port] SIP/2.0
12              Via: SIP/2.0/[transport] [local_ip]:[local_port];branch=[branch]
13              From: sipp <sip:sipp@[local_ip]:[local_port]>;tag=[pid]SIPpTag00[call_number]
14              To: [service] <sip:[service]@[remote_ip]:[remote_port]>
15              Call-ID: [call_id]
16              CSeq: 1 INVITE
17              Contact: sip:sipp@[local_ip]:[local_port]
18              Max-Forwards: 70
19              Subject: Performance Test
20              Content-Type: application/sdp
21              Content-Length: [len]
22
23              v=0
24              o=User1 53655765 2353687637 IN IP[local_ip_type] [local_ip]
25              s=-
26              c=IN IP[media_ip_type] [media_ip]
27              t=0 0
28              m=audio [media_port] RTP/AVP 0
29              a=rtpmap:0 PCMU/8000
30
31          ]]>
32      </send>
33
34      <recv response="100"
35          optional="true">
36      </recv>
37
38      <recv response="180" optional="true">
39      </recv>
40
```

https://sipp.readthedocs.io/en/latest/int_scenarios.html

SIPP installation

Install Pre-requisites

```
sudo apt install build-essential libncurses-dev libssl-dev libpcap-dev libnet1 ksctp-tools libsctp-dev
```

Download sipp source code and extract it.

```
cd /usr/local/src/  
wget -c https://github.com/SIPp/sipp/releases/download/v3.6.1/sipp-3.6.1.tar.gz  
tar -xvf sipp-3.6.1.tar.gz  
cd sipp-3.6.1/
```



Compile and make with TLS, PCAP Play and SCTP support.

```
cmake . -DUSE_SSL=1 -DUSE_PCAP=1 -DUSE_SCTP=1  
make
```

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```
sudo apt install build-essential libncurses-dev libssl-dev libpcap-dev libnet1 ksctp-tools libsctp-dev
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tar -xvf sipp-3.6.1.tar.gz  
cd sipp-3.6.1/
```

```
cmake . -DUSE_SSL=1 -DUSE_PCAP=1 -DUSE_SCTP=1
make
```

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