

# Sip Scenario Trace

File: /home/martinh/Vorlesung/16.1.2008/siptrace.pcap

Generated: Mon Jan 14 15:28:29 2008

Traced on: Mon Jan 14 15:27:02 2008

Created by: ./sip\_scenario.pl version=1.2.7

10.1.195.159:5062	10.1.195.159:5060	10.1.195.159:5068 <Call><PFrame><Time>
>F1 REGISTER ----->		1 PF:1 15:27:2.4453
<----- Unauthorized 401 F2<		1 PF:2 15:27:2.4460
>F3 REGISTER ----->		1 PF:3 15:27:2.4998
<----- OK 200 F4<		1 PF:4 15:27:2.5032
>F5 SUBSCRIBE ----->		2 PF:5 15:27:2.5095
<-- Proxy Authentication Required 407 F6<		2 PF:6 15:27:2.5103
>F7 SUBSCRIBE ----->		2 PF:7 15:27:2.5188
<----- OK 202 F8<		2 PF:8 15:27:2.5248
<----- NOTIFY F9<		2 PF:9 15:27:2.5271
>F10 200 OK ----->		2 PF:10 15:27:2.5364
	<----- REGISTER F11<	3 PF:11 15:27:12.1140
	>F12 401 Unauthorized ----->	3 PF:12 15:27:12.1147
	<----- REGISTER F13<	3 PF:13 15:27:12.1529
	>F14 401 Unauthorized ----->	3 PF:14 15:27:12.1556
	<----- REGISTER F15<	3 PF:15 15:27:15.8824
	>F16 200 OK ----->	3 PF:16 15:27:15.8852
	<----- (xml) PUBLISH F17<	4 PF:17 15:27:15.8920
	>F18 407 Proxy Authentication Required ->	4 PF:18 15:27:15.8928
	<----- (xml) PUBLISH F19<	4 PF:19 15:27:15.8947

<----- (xml) NOTIFY F21<	>F20 200 OK ----->	4 PF:20 15:27:15.9003
>F22 200 OK ----->		2 PF:21 15:27:15.9044
>F23 INVITE (sdp)----->		2 PF:22 15:27:15.9132
<- Proxy Authentication Required 407 F24<		5 PF:23 15:27:30.9332
>F25 ACK ----->		5 PF:24 15:27:30.9339
>F26 INVITE (sdp)----->		5 PF:25 15:27:30.9851
<----- Giving a try 100 F27<		5 PF:26 15:27:30.9867
	>F28 INVITE (sdp)----->	5 PF:27 15:27:30.9934
	<----- Trying 100 F29<	5 PF:28 15:27:30.9936
	<----- Ringing 180 F30<	5 PF:29 15:27:31.0092
<----- Ringing 180 F31<		5 PF:30 15:27:31.0321
	<----- (sdp) OK 200 F32<	5 PF:31 15:27:31.0327
<----- (sdp) OK 200 F33<		5 PF:32 15:27:33.2561
>F34 ACK ----->		5 PF:33 15:27:33.2569
	>F35 ACK ----->	5 PF:34 15:27:33.2631
>F36 BYE ----->		5 PF:35 15:27:33.2720
	>F37 BYE ----->	5 PF:36 15:27:45.0740
	<----- OK 200 F38<	5 PF:37 15:27:45.0757
<----- OK 200 F39<		5 PF:38 15:27:45.0787
		5 PF:39 15:27:45.0794

SIP MESSAGE 1 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 1 14/Jan/08 15:27:2.4453 TimeFromPreviousSipFrame=0.0000 TimeFromStart=0.0000  
REGISTER sip:10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK6DBFC6A5  
CSeq: 2373 REGISTER  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Expires: 900  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Call-ID: 1858983004@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2

Event: registration  
Allow-Events: presence  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>;methods="INVITE, MESSAGE, INFO, SUBSCRIBE, OPTIONS,"

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SIP MESSAGE 2            10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 2            14/Jan/08 15:27:2.4460 TimeFromPreviousSipFrame=0.0007 TimeFromStart=0.0007  
SIP/2.0 401 Unauthorized  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK6DBFC6A5  
CSeq: 2373 REGISTER  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.d22a  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Call-ID: 1858983004@10.1.195.159  
WWW-Authenticate: Digest realm="10.1.195.159", nonce="478b7262d6cef9a3ad878fad5b5dc84c94585e3b"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 3            10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 3            14/Jan/08 15:27:2.4998 TimeFromPreviousSipFrame=0.0538 TimeFromStart=0.0546  
REGISTER sip:10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK2EC967EC  
CSeq: 2374 REGISTER  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Authorization: Digest username="martinh", realm="10.1.195.159", nonce="478b7262d6cef9a3ad878fad5b5dc84c94585e3b", uri="sip:10.1.  
Expires: 900  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Call-ID: 1858983004@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Event: registration  
Allow-Events: presence  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>;methods="INVITE, MESSAGE, INFO, SUBSCRIBE, OPTIONS,"

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SIP MESSAGE 4            10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 4            14/Jan/08 15:27:2.5032 TimeFromPreviousSipFrame=0.0034 TimeFromStart=0.0580  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK2EC967EC  
CSeq: 2374 REGISTER  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.d1f4  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>  
Call-ID: 1858983004@10.1.195.159  
Contact: <sip:martinh@10.1.195.159:5062;transport=udp>;expires=900  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 5 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 5 14/Jan/08 15:27:2.5095 TimeFromPreviousSipFrame=0.0063 TimeFromStart=0.0643  
SUBSCRIBE sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK20A3CCE7  
CSeq: 5787 SUBSCRIBE  
To: <sip:test@10.1.195.159>  
Expires: 600  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Call-ID: 2087044015@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Event: presence  
Accept: application/xpidf+xml  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

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SIP MESSAGE 6 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 6 14/Jan/08 15:27:2.5103 TimeFromPreviousSipFrame=0.0007 TimeFromStart=0.0650  
SIP/2.0 407 Proxy Authentication Required  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK20A3CCE7  
CSeq: 5787 SUBSCRIBE  
To: <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.4080  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Call-ID: 2087044015@10.1.195.159  
Proxy-Authenticate: Digest realm="10.1.195.159", nonce="478b7262d6cef9a3ad878fad5b5dc84c94585e3b"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 7 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 7 14/Jan/08 15:27:2.5188 TimeFromPreviousSipFrame=0.0085 TimeFromStart=0.0735  
SUBSCRIBE sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK442A8915  
CSeq: 5788 SUBSCRIBE  
To: <sip:test@10.1.195.159>  
Proxy-Authorization: Digest username="martinh", realm="10.1.195.159", nonce="478b7262d6cef9a3ad878fad5b5dc84c94585e3b", uri="sip:  
Expires: 600  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Call-ID: 2087044015@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Event: presence  
Accept: application/xpidf+xml  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

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SIP MESSAGE 8 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 8 14/Jan/08 15:27:2.5248 TimeFromPreviousSipFrame=0.0060 TimeFromStart=0.0795  
SIP/2.0 202 OK

Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK442A8915  
CSeq: 5788 SUBSCRIBE  
To: <sip:test@10.1.195.159>;tag=10.3375.1200320822.3  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Call-ID: 2087044015@10.1.195.159  
Expires: 600  
Contact: <sip:127.0.0.1:5060>  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 9 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 9 14/Jan/08 15:27:2.5271 TimeFromPreviousSipFrame=0.0024 TimeFromStart=0.0819  
NOTIFY sip:martinh@10.1.195.159:5062;transport=udp SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK55a5.a6ab65a1.0  
To: sip:martinh@10.1.195.159;tag=66E922C9  
From: sip:test@10.1.195.159;tag=10.3375.1200320822.3  
CSeq: 1 NOTIFY  
Call-ID: 2087044015@10.1.195.159  
Content-Length: 0  
User-Agent: OpenSER (1.3.0-notls (i386/linux))  
Max-Forwards: 70  
Event: presence  
Contact: <sip:127.0.0.1:5060>  
Subscription-State: active;expires=600

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SIP MESSAGE 10 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 10 14/Jan/08 15:27:2.5364 TimeFromPreviousSipFrame=0.0093 TimeFromStart=0.0912  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK55a5.a6ab65a1.0  
From: <sip:test@10.1.195.159>;tag=10.3375.1200320822.3  
CSeq: 1 NOTIFY  
Call-ID: 2087044015@10.1.195.159  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

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SIP MESSAGE 11 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 11 14/Jan/08 15:27:12.1140 TimeFromPreviousSipFrame=9.5776 TimeFromStart=9.6688  
REGISTER sip:10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport;branch=z9hG4bKkndmhfyk  
Max-Forwards: 70  
To: "Test" <sip:test@10.1.195.159>  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 257 REGISTER

Contact: <sip:test@10.1.195.159:5068>;expires=3600  
Allow: INVITE,ACK,BYE,CANCEL,OPTIONS,PRACK,REFER,NOTIFY,SUBSCRIBE,INFO,MESSAGE  
User-Agent: Twinkle/1.1  
Content-Length: 0

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SIP MESSAGE 12 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 12 14/Jan/08 15:27:12.1147 TimeFromPreviousSipFrame=0.0007 TimeFromStart=9.6694  
SIP/2.0 401 Unauthorized  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport=5068;branch=z9hG4bKkndmhfyk  
To: "Test" <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.38d5  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 257 REGISTER  
WWW-Authenticate: Digest realm="10.1.195.159", nonce="478b726c245426f3fdfe1a501e17c7a7b644655d"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 13 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 13 14/Jan/08 15:27:12.1529 TimeFromPreviousSipFrame=0.0382 TimeFromStart=9.7076  
REGISTER sip:10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport;branch=z9hG4bKmtnhllpy  
Max-Forwards: 70  
To: "Test" <sip:test@10.1.195.159>  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 258 REGISTER  
Contact: <sip:test@10.1.195.159:5068>;expires=3600  
Authorization: Digest username="test",realm="10.1.195.159",nonce="478b726c245426f3fdfe1a501e17c7a7b644655d",uri="sip:10.1.195.159"  
Allow: INVITE,ACK,BYE,CANCEL,OPTIONS,PRACK,REFER,NOTIFY,SUBSCRIBE,INFO,MESSAGE  
User-Agent: Twinkle/1.1  
Content-Length: 0

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SIP MESSAGE 14 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 14 14/Jan/08 15:27:12.1556 TimeFromPreviousSipFrame=0.0027 TimeFromStart=9.7104  
SIP/2.0 401 Unauthorized  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport=5068;branch=z9hG4bKmtnhllpy  
To: "Test" <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.be6f  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 258 REGISTER  
WWW-Authenticate: Digest realm="10.1.195.159", nonce="478b726c245426f3fdfe1a501e17c7a7b644655d"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 15 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 15 14/Jan/08 15:27:15.8824 TimeFromPreviousSipFrame=3.7267 TimeFromStart=13.4371  
REGISTER sip:10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport;branch=z9hG4bKxpdjgwcw  
Max-Forwards: 70  
To: "Test" <sip:test@10.1.195.159>  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 259 REGISTER  
Contact: <sip:test@10.1.195.159:5068>;expires=3600  
Authorization: Digest username="test",realm="10.1.195.159",nonce="478b726c245426f3fdfe1a501e17c7a7b644655d",uri="sip:10.1.195.159"  
Allow: INVITE,ACK,BYE,CANCEL,OPTIONS,PRACK,REFER,NOTIFY,SUBSCRIBE,INFO,MESSAGE  
User-Agent: Twinkle/1.1  
Content-Length: 0

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SIP MESSAGE 16 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 16 14/Jan/08 15:27:15.8852 TimeFromPreviousSipFrame=0.0028 TimeFromStart=13.4400  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport=5068;branch=z9hG4bKxpdjgwcw  
To: "Test" <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.3a05  
From: "Test" <sip:test@10.1.195.159>;tag=gb1ne  
Call-ID: pbdttkhvvytswi@10.1.195.159  
CSeq: 259 REGISTER  
Contact: <sip:test@10.1.195.159:5068>;expires=3600  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 17 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 17 14/Jan/08 15:27:15.8920 TimeFromPreviousSipFrame=0.0068 TimeFromStart=13.4468  
PUBLISH sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport;branch=z9hG4bKkvlrjwgj  
Max-Forwards: 70  
To: "Test" <sip:test@10.1.195.159>  
From: "Test" <sip:test@10.1.195.159>;tag=wavdb  
Call-ID: iwkcugmhxifmnou@10.1.195.159  
CSeq: 368 PUBLISH  
Content-Type: application/pidf+xml  
Event: presence  
Expires: 3600  
User-Agent: Twinkle/1.1  
Content-Length: 191  
  
<?xml version="1.0" encoding="UTF-8"?>  
<presence xmlns="urn:ietf:params:xml:ns:pidf" entity="sip:test@10.1.195.159"><tuple id="udupwd"><status><basic>open</basic></status></tuple></presence>

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SIP MESSAGE 18 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 18 14/Jan/08 15:27:15.8928 TimeFromPreviousSipFrame=0.0008 TimeFromStart=13.4476

SIP/2.0 407 Proxy Authentication Required  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport=5068;branch=z9hG4bKkvlrjwgj  
To: "Test" <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.5713  
From: "Test" <sip:test@10.1.195.159>;tag=wavdb  
Call-ID: iwkcugmhxifmnou@10.1.195.159  
CSeq: 368 PUBLISH  
Proxy-Authenticate: Digest realm="10.1.195.159", nonce="478b726f5fb649396e7fe4801674bd52a63690ac"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 19 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 19 14/Jan/08 15:27:15.8947 TimeFromPreviousSipFrame=0.0019 TimeFromStart=13.4495  
PUBLISH sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport;branch=z9hG4bKzuecxmbh  
Max-Forwards: 70  
Proxy-Authorization: Digest username="test", realm="10.1.195.159", nonce="478b726f5fb649396e7fe4801674bd52a63690ac", uri="sip:test@10.1.195.159"  
To: "Test" <sip:test@10.1.195.159>  
From: "Test" <sip:test@10.1.195.159>;tag=wavdb  
Call-ID: iwkcugmhxifmnou@10.1.195.159  
CSeq: 369 PUBLISH  
Content-Type: application/pidf+xml  
Event: presence  
Expires: 3600  
User-Agent: Twinkle/1.1  
Content-Length: 191

```
<?xml version="1.0" encoding="UTF-8"?>  
<presence xmlns="urn:ietf:params:xml:ns:pidf" entity="sip:test@10.1.195.159"><tuple id="udupwd"><status><basic>open</basic></status></tuple></presence>
```

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SIP MESSAGE 20 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 20 14/Jan/08 15:27:15.9003 TimeFromPreviousSipFrame=0.0056 TimeFromStart=13.4551  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159:5068;rport=5068;branch=z9hG4bKzuecxmbh  
To: "Test" <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.9388  
From: "Test" <sip:test@10.1.195.159>;tag=wavdb  
Call-ID: iwkcugmhxifmnou@10.1.195.159  
CSeq: 369 PUBLISH  
Expires: 3600  
SIP-ETag: a.1200296893.3377.3.0  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

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SIP MESSAGE 21 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 21 14/Jan/08 15:27:15.9044 TimeFromPreviousSipFrame=0.0041 TimeFromStart=13.4592  
NOTIFY sip:martinh@10.1.195.159:5062;transport=udp SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK25a5.42bc3a36.0  
To: sip:martinh@10.1.195.159;tag=66E922C9



From: sip:test@10.1.195.159;tag=10.3375.1200320822.3  
CSeq: 2 NOTIFY  
Call-ID: 2087044015@10.1.195.159  
Content-Length: 191  
User-Agent: OpenSER (1.3.0-notls (i386/linux))  
Max-Forwards: 70  
Event: presence  
Contact: <sip:127.0.0.1:5060>  
Subscription-State: active;expires=587  
Content-Type: application/pidf+xml

```
<?xml version="1.0" encoding="UTF-8"?>  
<presence xmlns="urn:ietf:params:xml:ns:pidf" entity="sip:test@10.1.195.159"><tuple id="udupwd"><status><basic>open</basic></sta
```

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SIP MESSAGE 22 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 22 14/Jan/08 15:27:15.9132 TimeFromPreviousSipFrame=0.0088 TimeFromStart=13.4679  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK25a5.42bc3a36.0  
From: <sip:test@10.1.195.159>;tag=10.3375.1200320822.3  
CSeq: 2 NOTIFY  
Call-ID: 2087044015@10.1.195.159  
To: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=66E922C9  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

---

SIP MESSAGE 23 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 23 14/Jan/08 15:27:30.9332 TimeFromPreviousSipFrame=15.0200 TimeFromStart=28.4879  
INVITE sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK620D40B1  
CSeq: 5503 INVITE  
To: <sip:test@10.1.195.159>  
Content-Type: application/sdp  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Subject: sip:martinh@10.1.195.159  
Content-Length: 226  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

v=0  
o=username 0 0 IN IP4 10.1.195.159  
s=The Funky Flow  
c=IN IP4 10.1.195.159  
t=0 0  
m=audio 32790 RTP/AVP 97 3 0  
a=rtpmap:0 PCMU/8000  
a=rtpmap:3 GSM/8000  
a=rtpmap:8 PCMA/8000

a=rtpmap:97 iLBC/8000  
a=fmtp:97 mode=20

---

SIP MESSAGE 24 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 24 14/Jan/08 15:27:30.9339 TimeFromPreviousSipFrame=0.0007 TimeFromStart=28.4887  
SIP/2.0 407 Proxy Authentication Required  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK620D40B1  
CSeq: 5503 INVITE  
To: <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.2878  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Proxy-Authenticate: Digest realm="10.1.195.159", nonce="478b727ee817d106c85a7a0a318dca14455971dd"  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

---

SIP MESSAGE 25 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 25 14/Jan/08 15:27:30.9851 TimeFromPreviousSipFrame=0.0511 TimeFromStart=28.5398  
ACK sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK620D40B1  
CSeq: 5503 ACK  
To: <sip:test@10.1.195.159>;tag=329cfeaa6ded039da25ff8cbb8668bd2.2878  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

---

SIP MESSAGE 26 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 26 14/Jan/08 15:27:30.9867 TimeFromPreviousSipFrame=0.0016 TimeFromStart=28.5414  
INVITE sip:test@10.1.195.159 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
CSeq: 5504 INVITE  
To: <sip:test@10.1.195.159>  
Proxy-Authorization: Digest username="martinh", realm="10.1.195.159", nonce="478b727ee817d106c85a7a0a318dca14455971dd", uri="sip:  
Content-Type: application/sdp  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Subject: sip:martinh@10.1.195.159  
Content-Length: 226  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

v=0  
o=username 0 0 IN IP4 10.1.195.159  
s=The Funky Flow  
c=IN IP4 10.1.195.159  
t=0 0

m=audio 32790 RTP/AVP 97 3 0  
a=rtpmap:0 PCMU/8000  
a=rtpmap:3 GSM/8000  
a=rtpmap:8 PCMA/8000  
a=rtpmap:97 iLBC/8000  
a=fmtp:97 mode=20

---

SIP MESSAGE 27 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 27 14/Jan/08 15:27:30.9934 TimeFromPreviousSipFrame=0.0068 TimeFromStart=28.5482  
SIP/2.0 100 Giving a try  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
CSeq: 5504 INVITE  
To: <sip:test@10.1.195.159>  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Server: OpenSER (1.3.0-notls (i386/linux))  
Content-Length: 0

---

SIP MESSAGE 28 10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 28 14/Jan/08 15:27:30.9936 TimeFromPreviousSipFrame=0.0001 TimeFromStart=28.5483  
INVITE sip:test@10.1.195.159:5068 SIP/2.0  
Max-Forwards: 10  
Record-Route: <sip:10.1.195.159;lr=on>  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK522e.09a8bf21.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
CSeq: 5504 INVITE  
To: <sip:test@10.1.195.159>  
Content-Type: application/sdp  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Subject: sip:martinh@10.1.195.159  
Content-Length: 226  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

v=0  
o=username 0 0 IN IP4 10.1.195.159  
s=The Funky Flow  
c=IN IP4 10.1.195.159  
t=0 0  
m=audio 32790 RTP/AVP 97 3 0  
a=rtpmap:0 PCMU/8000  
a=rtpmap:3 GSM/8000  
a=rtpmap:8 PCMA/8000  
a=rtpmap:97 iLBC/8000  
a=fmtp:97 mode=20

---

SIP MESSAGE 29 10.1.195.159:5068() -> 10.1.195.159:5060()

UDP Frame 29 14/Jan/08 15:27:31.0092 TimeFromPreviousSipFrame=0.0156 TimeFromStart=28.5639  
SIP/2.0 100 Trying  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK522e.09a8bf21.0,SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
To: <sip:test@10.1.195.159>  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5504 INVITE  
Server: Twinkle/1.1  
Content-Length: 0

---

SIP MESSAGE 30 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 30 14/Jan/08 15:27:31.0321 TimeFromPreviousSipFrame=0.0229 TimeFromStart=28.5868  
SIP/2.0 180 Ringing  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK522e.09a8bf21.0,SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5504 INVITE  
Server: Twinkle/1.1  
Content-Length: 0

---

SIP MESSAGE 31 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 31 14/Jan/08 15:27:31.0327 TimeFromPreviousSipFrame=0.0007 TimeFromStart=28.5875  
SIP/2.0 180 Ringing  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5504 INVITE  
Server: Twinkle/1.1  
Content-Length: 0

---

SIP MESSAGE 32 10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 32 14/Jan/08 15:27:33.2561 TimeFromPreviousSipFrame=2.2233 TimeFromStart=30.8108  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK522e.09a8bf21.0,SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
Record-Route: <sip:10.1.195.159;lr=on>  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5504 INVITE  
Contact: <sip:test@10.1.195.159:5068>  
Content-Type: application/sdp  
Allow: INVITE,ACK,BYE,CANCEL,OPTIONS,PRACK,REFER,NOTIFY,SUBSCRIBE,INFO,MESSAGE  
Server: Twinkle/1.1  
Supported: replaces,norefersub

Content-Length: 191

v=0  
o=test 1822003027 1193200193 IN IP4 10.1.195.159  
s=-  
c=IN IP4 10.1.195.159  
t=0 0  
m=audio 8000 RTP/AVP 3 101  
a=rtpmap:3 GSM/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

---

SIP MESSAGE 33 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 33 14/Jan/08 15:27:33.2569 TimeFromPreviousSipFrame=0.0008 TimeFromStart=30.8116  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
Record-Route: <sip:10.1.195.159;lr=on>  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5504 INVITE  
Contact: <sip:test@10.1.195.159:5068>  
Content-Type: application/sdp  
Allow: INVITE,ACK,BYE,CANCEL,OPTIONS,PRACK,REFER,NOTIFY,SUBSCRIBE,INFO,MESSAGE  
Server: Twinkle/1.1  
Supported: replaces,norefersub  
Content-Length: 191

v=0  
o=test 1822003027 1193200193 IN IP4 10.1.195.159  
s=-  
c=IN IP4 10.1.195.159  
t=0 0  
m=audio 8000 RTP/AVP 3 101  
a=rtpmap:3 GSM/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

---

SIP MESSAGE 34 10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 34 14/Jan/08 15:27:33.2631 TimeFromPreviousSipFrame=0.0062 TimeFromStart=30.8178  
ACK sip:test@10.1.195.159:5068 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
CSeq: 5504 ACK  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Route: <sip:10.1.195.159;lr=on>  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

---

SIP MESSAGE 35            10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 35            14/Jan/08 15:27:33.2720 TimeFromPreviousSipFrame=0.0089 TimeFromStart=30.8267  
ACK sip:test@10.1.195.159:5068 SIP/2.0  
Max-Forwards: 10  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK522e.09a8bf21.2  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK69337A95  
CSeq: 5504 ACK  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

---

SIP MESSAGE 36            10.1.195.159:5062() -> 10.1.195.159:5060()  
UDP Frame 36            14/Jan/08 15:27:45.0740 TimeFromPreviousSipFrame=11.8020 TimeFromStart=42.6287  
BYE sip:test@10.1.195.159:5068 SIP/2.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK1B998112  
CSeq: 5505 BYE  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Route: <sip:10.1.195.159;lr=on>  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

---

SIP MESSAGE 37            10.1.195.159:5060() -> 10.1.195.159:5068()  
UDP Frame 37            14/Jan/08 15:27:45.0757 TimeFromPreviousSipFrame=0.0018 TimeFromStart=42.6305  
BYE sip:test@10.1.195.159:5068 SIP/2.0  
Max-Forwards: 10  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK622e.b4367216.0  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK1B998112  
CSeq: 5505 BYE  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
Content-Length: 0  
User-Agent: kphone/4.2  
Contact: "Martin Hellebrandt" <sip:martinh@10.1.195.159:5062;transport=udp>

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SIP MESSAGE 38            10.1.195.159:5068() -> 10.1.195.159:5060()  
UDP Frame 38            14/Jan/08 15:27:45.0787 TimeFromPreviousSipFrame=0.0030 TimeFromStart=42.6334

SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159;branch=z9hG4bK622e.b4367216.0,SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK1B998112  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5505 BYE  
Server: Twinkle/1.1  
Content-Length: 0

---

SIP MESSAGE 39 10.1.195.159:5060() -> 10.1.195.159:5062()  
UDP Frame 39 14/Jan/08 15:27:45.0794 TimeFromPreviousSipFrame=0.0006 TimeFromStart=42.6341  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 10.1.195.159:5062;branch=z9hG4bK1B998112  
To: <sip:test@10.1.195.159>;tag=wnmhu  
From: "Martin Hellebrandt" <sip:martinh@10.1.195.159>;tag=62E1000F  
Call-ID: 647996371@10.1.195.159  
CSeq: 5505 BYE  
Server: Twinkle/1.1  
Content-Length: 0

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