

Prozess: Was passiert bei einem[..]

08/13/2022 14:48:18

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Category:	Troubleshooting Allgemein::SIP-Meldungen	Votes:	0
State:	public (all)	Result:	0.00 %
Language:	de	Last update:	06/07/2012 09:49:31

Keywords

SIP ausgehend Anruf

Symptom (public)

!!Achtung!!
Dieser Beitrag ist rein Informativ. Folgend wird der Ablauf aufgezeigt, der bei einem ausgehenden Anruf von einem Telefon angezeigt wird. Verwendet wurde dazu ein snom 360. Bei anderen Telefonen kann das Aussehen der Pakete variieren, der Ablauf bleibt aber immer der Gleiche.

Problem (public)

Solution (public)

Sent to udp:212.55.198.132:5060 at 7/3/2012 17:00:35:580 (1220 bytes):

```
INVITE sip:0900500678@sip12.e-fon.ch;user=phone SIP/2.0
Via: SIP/2.0/UDP 192.168.x.y:2048;branch=z9hG4bK-ivc8nr8y63jh;rport
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 1 INVITE
Max-Forwards: 70
Contact: <sip:UserID@192.168.x.y:2048;line=7oyu7q91>;reg-id=1
P-Key-Flags: resolution="31x13", keys="4"
User-Agent: snom360/7.3.30
Accept: application/sdp
Allow: INVITE, ACK, CANCEL, BYE, REFER, OPTIONS, NOTIFY, SUBSCRIBE, PRACK,
MESSAGE, INFO
Allow-Events: talk, hold, refer, call-info
Supported: timer, 100rel, replaces, from-change
Session-Expires: 3600;refresher=uas
Min-SE: 90
Content-Type: application/sdp
Content-Length: 456
```

```
v=0
o=root 1006640356 1006640356 IN IP4 192.168.x.y
s=call
c=IN IP4 192.168.x.y
t=0 0
m=audio 10082 RTP/AVP 8 0 9 99 18 4 3 101
a=crypto:1 AES_CM_128_HMAC_SHA1_32
inline:GmjhlB3yt0VxzUClAe/dwTbW6+Lm7souzPdgT40
a=rtpmap:8 pcma/8000
a=rtpmap:0 pcmu/8000
a=rtpmap:9 g722/8000
a=rtpmap:99 g726-32/8000
a=rtpmap:18 g729/8000
a=rtpmap:4 g723/8000
a=rtpmap:3 gsm/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-16
a=ptime:20
a=sendrcv
```

Received from udp:212.55.198.132:5060 at 7/3/2012 17:00:35:625 (461 bytes):

```
SIP/2.0 407 Proxy Authentication Required
Via: SIP/2.0/UDP
192.168.x.y:2048;branch=z9hG4bK-ivc8nr8y63jh;rport=55860;received=77.59.247.242
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=e168701326369cd7a2f822a094736966.fd25
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 1 INVITE
Proxy-Authenticate: Digest realm="asterisk",
nonce="T1eHc09XhkcjU5DKPoGeVTPMESAsu8u"
Content-Length: 0
```

Sent to udp:212.55.198.132:5060 at 7/3/2012 17:00:35:635 (439 bytes):

```
ACK sip:0900500678@sip12.e-fon.ch;user=phone SIP/2.0
Via: SIP/2.0/UDP 192.168.x.y:2048;branch=z9hG4bK-ivc8nr8y63jh;rport
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=e168701326369cd7a2f822a094736966.fd25
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 1 ACK
Max-Forwards: 70
Contact: <sip:UserID@192.168.x.y:2048;line=7oyu7q91>;reg-id=1
```

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```
Content-Length: 0
Sent to udp:212.55.198.132:5060 at 7/3/2012 17:00:35:649 (1433 bytes):
INVITE sip:0900500678@sip12.e-fon.ch;user=phone SIP/2.0
Via: SIP/2.0/UDP 192.168.x.y:2048;branch=z9hG4bK-x2b6c7qj9kj5;rport
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 2 INVITE
Max-Forwards: 70
Contact: <sip:UserID@192.168.x.y:2048;line=7oyu7q91>;reg-id=1
P-Key-Flags: resolution="31x13", keys="4"
User-Agent: snom360/7.3.30
Accept: application/sdp
Allow: INVITE, ACK, CANCEL, BYE, REFER, OPTIONS, NOTIFY, SUBSCRIBE, PRACK,
MESSAGE, INFO
Allow-Events: talk, hold, refer, call-info
Supported: timer, 100rel, replaces, from-change
Session-Expires: 3600;refresher=uas
Min-SE: 90
Proxy-Authorization: Digest
username="UserID",realm="asterisk",nonce="T1eHc09XhkcxjU5DKPoGeVTPMESAsu8u",uri="sip:0900500678@sip12.e-fon.ch;user=phone",response="7e30b624eb95af
25374cbe74e874a2a3",algorithm=MD5
Content-Type: application/sdp
Content-Length: 456

v=0
o=root 1006640356 1006640356 IN IP4 192.168.x.y
s=call
c=IN IP4 192.168.x.y
t=0 0
m=audio 10082 RTP/AVP 8 0 9 99 18 4 3 101
a=crypto:1 AES_CM_128_HMAC_SHA1_32
inline:GmjhLb3yt0VxzIUClAe/dwTbW6+Lm7souzPdgT40
a=rtpmap:8 pcma/8000
a=rtpmap:0 pcmu/8000
a=rtpmap:9 g722/8000
a=rtpmap:99 g726-32/8000
a=rtpmap:18 g729/8000
a=rtpmap:4 g723/8000
a=rtpmap:3 gsm/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-16
a=ptime:20
a=sendrecv

Received from udp:212.55.198.132:5060 at 7/3/2012 17:00:35:675 (341 bytes):
SIP/2.0 100 trying -- your call is important to us
Via: SIP/2.0/UDP
192.168.x.y:2048;branch=z9hG4bK-x2b6c7qj9kj5;rport=55860;received=77.59.247.242
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 2 INVITE
Content-Length: 0

Received from udp:212.55.198.132:5060 at 7/3/2012 17:00:36:108 (600 bytes):
SIP/2.0 180 Ringing
Via: SIP/2.0/UDP
192.168.x.y:2048;received=77.59.247.242;branch=z9hG4bK-x2b6c7qj9kj5;rport=55860
Record-Route: <sip:212.55.198.132;lr=on;ftag=sqtt0kw19n>
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=as74a4bc7e
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 2 INVITE
Server: e-fon
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, SUBSCRIBE, NOTIFY, INFO
Supported: replaces, timer
Require: timer
Session-Expires: 1800;refresher=uas
Contact: <sip:0900500678@212.55.198.148:5061>
Content-Length: 0

Received from udp:212.55.198.132:5060 at 7/3/2012 17:00:37:469 (1000 bytes):
SIP/2.0 200 OK
Via: SIP/2.0/UDP
192.168.x.y:2048;received=77.59.247.242;branch=z9hG4bK-x2b6c7qj9kj5;rport=55860
Record-Route: <sip:212.55.198.132;lr=on;ftag=sqtt0kw19n>
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=as74a4bc7e
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 2 INVITE
Server: e-fon
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, SUBSCRIBE, NOTIFY, INFO
Supported: replaces, timer
Require: timer
Session-Expires: 1800;refresher=uas
Contact: <sip:0900500678@212.55.198.148:5061>
Content-Type: application/sdp
Content-Length: 372

v=0
o=root 1764535497 1764535497 IN IP4 212.55.198.148
s=e-fon
```

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```
c=IN IP4 212.55.198.148
t=0 0
m=audio 17062 RTP/AVP 8 9 99 3 18 0 101
a=rtpmap:8 PCMA/8000
a=rtpmap:9 G722/8000
a=rtpmap:99 G726-32/8000
a=rtpmap:3 GSM/8000
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=rtpmap:0 PCMU/8000
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-16
a=ptime:20
a=sendrecv
```

Sent to udp:212.55.198.132:5060 at 7/3/2012 17:00:37:494 (457 bytes):

```
ACK sip:0900500678@212.55.198.148:5061 SIP/2.0
Via: SIP/2.0/UDP 192.168.x.y:2048;branch=z9hG4bK-lgy0jtxb0o3j;rport
Route: <sip:212.55.198.132;lr=on;ftag=sqtt0kw19n>
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=as74a4bc7e
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 2 ACK
Max-Forwards: 70
Contact: <sip:UserID@192.168.x.y:2048;line=7oyu7q91>;reg-id=1
Content-Length: 0
```

Sent to udp:212.55.198.132:5060 at 7/3/2012 17:00:39:275 (621 bytes):

```
BYE sip:0900500678@212.55.198.148:5061 SIP/2.0
Via: SIP/2.0/UDP 192.168.x.y:2048;branch=z9hG4bK-d488ionyygqt;rport
Route: <sip:212.55.198.132;lr=on;ftag=sqtt0kw19n>
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=as74a4bc7e
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 3 BYE
Max-Forwards: 70
Contact: <sip:UserID@192.168.x.y:2048;line=7oyu7q91>;reg-id=1
User-Agent: snom360/7.3.30
RTP-RxStat: Total_Rx_Pkts=56,Rx_Pkts=56,Rx_Pkts_Lost=1,Remote_Rx_Pkts_Lost=0
RTP-TxStat: Total_Tx_Pkts=79,Tx_Pkts=79,Remote_Tx_Pkts=0
Content-Length: 0
```

Received from udp:212.55.198.132:5060 at 7/3/2012 17:00:39:335 (492 bytes):

```
SIP/2.0 200 OK
Via: SIP/2.0/UDP
192.168.x.y:2048;received=77.59.247.242;branch=z9hG4bK-d488ionyygqt;rport=55860
Record-Route: <sip:212.55.198.132;lr=on;ftag=sqtt0kw19n>
From: "e-fon AG" <sip:UserID@sip12.e-fon.ch>;tag=sqtt0kw19n
To: <sip:0900500678@sip12.e-fon.ch;user=phone>;tag=as74a4bc7e
Call-ID: 3c28117a4ba7-vpw0350otuz3
CSeq: 3 BYE
Server: e-fon
Allow: INVITE, ACK, CANCEL, OPTIONS, BYE, REFER, SUBSCRIBE, NOTIFY, INFO
Supported: replaces, timer
Content-Length: 0
```