

sip_session_refresh_422.pcapng

SIP INVITE

Via	SIP/2.0/UDP 10.180.110.58:5060;branch=z9hG4bK25819A3
Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
UA	Cisco-SIPGateway/IOS-16.9.2
CSeq	101 INVITE
Max-Fwd	70
Contact	<sip:10.180.110.58:5060>
Owner	CiscoSystemsSIP-GW-UserAgent 2677 8235 IN IP4 10.180.110.58
Session Name (s)	SIP Call
Connection	IN IP4 10.180.110.58
Media	audio 8448 RTP/AVP 0 101
Connection	IN IP4 10.180.110.58
Attr	rtpmap:0 PCMU/8000
Attr	rtpmap:101 telephone-event/8000
Attr	fmp:101 0-16
Attr	ptime:20

💡 SIP INVITE initiates a call – carries SDP offer with codec/media proposals; callee responds with 180 Ringing, then 200 OK with SDP answer

⚠ SIP 422 Session Timer too small

SIP ACK

Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
CSeq	101 ACK

Frame 2 | 2019-05-04T13:57:07.439964Z

Frame 3 | 2019-05-04T13:57:07.439964Z

SIP INVITE

Via	SIP/2.0/UDP 10.180.110.58:5060;branch=z9hG4bK2591512
Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
UA	Cisco-SIPGateway/IOS-16.9.2
CSeq	102 INVITE
Max-Fwd	70
Contact	<sip:10.180.110.58:5060>
Owner	CiscoSystemsSIP-GW-UserAgent 2677 8235 IN IP4 10.180.110.58
Session Name (s)	SIP Call
Connection	IN IP4 10.180.110.58
Media	audio 8448 RTP/AVP 0 101
Connection	IN IP4 10.180.110.58
Attr	rtpmap:0 PCMU/8000
Attr	rtpmap:101 telephone-event/8000
Attr	fmp:101 0-16
Attr	ptime:20

💡 SIP INVITE initiates a call – carries SDP offer with codec/media proposals; callee responds with 180 Ringing, then 200 OK with SDP answer

SIP 100 Trying

SIP 180 Ringing

SIP 200 OK

Contact	<sip:1234@10.180.110.48:5060>;+u.sip!devicename.ccm.cisco.com="SEP2C31246A214B"
Connection	IN IP4 10.10.214.57
Media	audio 30520 RTP/AVP 0 101
Attr	rtpmap:0 PCMU/8000
Attr	rtpmap:101 telephone-event/8000
Attr	fmp:101 0-15

💡 100 Trying – proxy accepted the request and is searching for the callee; stops retransmission timer; no end-to-end significance

💡 180 Ringing – callee's phone is alerting; caller hears locally generated ringback; 183 with SDP offers early media (in-band ringback) instead

💡 200 OK – call answered (for INVITE) or registration accepted (for REGISTER); SDP answer completes codec negotiation; caller must send ACK to complete 3-way handshake

SIP ACK

Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
CSeq	102 ACK

Frame 8 | 2019-05-04T13:57:08.524966Z

SIP INVITE

Via	SIP/2.0/UDP 10.180.110.48:5060;branch=z9hG4bK1b581eac80c6
Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
UA	Cisco-CUCM12.5
CSeq	101 INVITE

💡 SIP INVITE initiates a call – carries SDP offer with codec/media proposals; callee responds with 180 Ringing, then 200 OK with SDP answer

SIP Proxy	SIP Phone A
-----------	-------------

Max-Fwd	70
Contact	<sip:2f231a59-524c-49d3-a058-9d6d4317a18d@10.180.110.48:5060>;+u.sip!devicename.ccm.cisco.com="SEP2C31246A214B"
Owner	CiscoSystemsCCM-SIP 155145 1 IN IP4 10.180.110.48
Session Name (s)	SIP Call
Connection	IN IP4 10.10.214.57
Media	audio 30520 RTP/AVP 0 101
Attr	rtpmap:0 PCMU/8000
Attr	rtpmap:101 telephone-event/8000
Attr	fmp:101 0-15

SIP 100 Trying

SIP 200 OK

Contact	<sip:10.180.110.58:5060>
Connection	IN IP4 10.180.110.58
Media	audio 8448 RTP/AVP 0 101
Connection	IN IP4 10.180.110.58
Attr	rtpmap:0 PCMU/8000
Attr	rtpmap:101 telephone-event/8000
Attr	fmp:101 0-16

SIP ACK

Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
CSeq	101 ACK

SIP BYE

Call-ID	56C928CA-6DAB11E9-9939E3AD-C1443EBC@10.180.110.58
CSeq	102 BYE
Reason	Q.850;cause=16

SIP 200 OK

100 Trying – proxy accepted the request and is searching for the callee; stops retransmission timer; no end-to-end significance

200 OK – call answered (for INVITE) or registration accepted (for REGISTER); SDP answer completes codec negotiation; caller must send ACK to complete 3-way handshake

Frame 12 |
2019-05-04T14:12:08.538958Z

SIP BYE terminates an established dialog – both sides send BYE to release media resources; Reason header explains why (e.g., user hangup)

200 OK – call answered (for INVITE) or registration accepted (for REGISTER); SDP answer completes codec negotiation; caller must send ACK to complete 3-way handshake