



rtp_sip_g711ulaw_20ms.pcapng

SIP REGISTER

Call-ID	15569799951801883@10.180.110.59
CSeq	1 REGISTER
Contact	<sip:csta@10.180.110.59:5060;transport=udp>
UA	

💡 SIP REGISTER binds a contact URI to an AOR (Address of Record) at the registrar; Expires=0 means unregister; 401 triggers Digest auth challenge

SIP INVITE

Via	SIP/2.0/UDP 10.180.110.58:5060;branch=z9hG4bK25E1BA8
Call-ID	74A3FE35-6DAF11E9-994CE3AD-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 1070 8996 IN IP4 10.180.110.58
Session Name (s)	SIP Call
Connection	IN IP4 10.180.110.58
Media	audio 8452 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	74A3FE35-6DAF11E9-994CE3AD-C1443EBC@10.180.110.58
CSeq	101 ACK

Frame 3 |
2019-05-04T14:26:35.513965Z

Frame 4 |
2019-05-04T14:26:35.513965Z

SIP INVITE

Via	SIP/2.0/UDP 10.180.110.58:5060;branch=z9hG4bK25F71A
Call-ID	74A3FE35-6DAF11E9-994CE3AD-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 1070 8996 IN IP4 10.180.110.58
Session Name (s)	SIP Call
Connection	IN IP4 10.180.110.58
Media	audio 8452 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

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

🔔 SIP 180 Ringing

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

