

sip\_register.pcapng

SIP REGISTER

Call-ID	FFFFFFFFC30A6183-6CEC11E9-FFFFFFFF96F9E3AD-FFFFFFFFC1443EBC
UA	Cisco-SIPGateway/IOS-16.9.2
CSeq	2 REGISTER
Contact	<sip:cisco@10.180.110.58:5060>
Expires	3600
Scheme	Digest
Username	"cisco"
Realm	"kydavis.cisco.com"
Authentication URI	"sip:10.180.110.65:5060"
Digest Authentication Response	

💡 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 401 Unauthorized

Scheme	DIGEST
Realm	"kydavis.cisco.com"

💡 401 Unauthorized – server challenges client with Digest auth (realm + nonce); client must retry with computed response hash using shared secret

SIP REGISTER

Call-ID	FFFFFFFFC30A6183-6CEC11E9-FFFFFFFF96F9E3AD-FFFFFFFFC1443EBC
UA	Cisco-SIPGateway/IOS-16.9.2
CSeq	3 REGISTER
Contact	<sip:cisco@10.180.110.58:5060>
Expires	3600
Scheme	Digest
Username	"cisco"
Realm	"kydavis.cisco.com"
Authentication URI	"sip:10.180.110.65:5060"
Digest Authentication Response	"3a55608cf3c28051a73097190e50b360"
Algorithm	MD5

💡 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 200 OK

Contact	<sip:10.180.110.65:5060;transport=UDP>;expires=3600
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💡 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