

Supported SIP Headers

The SBC Core supports the SIP headers listed in this section.



Note

The SBC supports up to 20 parameters per SIP header to accommodate enhanced services such as IMS and VoLTE using call flows such as ICS and SRVCC.



IMPORTANT

The Transparency Profile is the recommended method of configuring transparency on the SBC Core for new deployments as well as when applying additional transparency configurations to existing deployments. Do not use IP Signaling Profile flags in these scenarios because the flags will be retired in upcoming releases.

Refer to the [SBC SIP Transparency Implementation Guide](#) for additional information.



Note

The SBC treats User-Agent and Server headers as known headers beginning in release 4.1.0. The SBC accepts these headers based on ABNF grammar format and restricts them to a maximum of 10 server-vals. You must explicitly turn ON these headers for transparency. Additionally, if a header requires more than 10 server-vals in compliance with ABNF grammar, the header must convert to an unknown header using SMM.

SIP provides a mechanism to represent common header field names in an abbreviated form. This may be useful when messages are too large to be carried on the transport available to it. A compact form may be substituted for the longer form of a header field name at any time without changing the semantics of the message. A header field name may appear in both long and short forms within the same message. A compact form of some common header field names is also defined for use when overall message size is an issue. Any headers marked with an alternate like: ' | ' indicates the long form or the short form of the header.

In order to maintain backward capability, as of 4.1.6R0 and 4.2.4R0 releases, the SBC relaxes the ABNF grammar formatting to allow invalid syntax server-vals plus an unlimited number of server-vals for these two headers.

SIP Header List

Key:



= Supported



= Not supported

A

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	

Accept	✓	✓	
Accept-Contact a	✓	✓	
Accept-Language	✓	✓	4.0.0
Accept-Resource-Priority	✓	✓	
Alert-Info	✓	✓	
Allow	✓	✓	
Also	✓	✓	
Anonymity	✓	✓	
Authorization	✓	✓	

C

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
CallConnectId	✓	✓	
Call-ID i	✓	✓	
Call-Info	✓	✓	
Contact m	✓	✓	
Content-Disposition	✓	✓	
Content-Type c	✓	✓	
Content-Encoding e	✓	✓	
Content-Length l	✓	✓	
CSeq	✓	✓	

D

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Diversion	✓	✓	

E

Supported Feature	
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SIP Header	Send	Receive and Process	Release Added (since 3.1.7)
Error-Info	✓	✓	
Event o	✓	✓	
Expires	✓	✓	

F

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Feature-Caps	✓	✓	5.1.0
Flow-Timer	✓	✗	4.0.0
From f	✓	✓	

G

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Geolocation	✓	✓	
Geolocation-Error	✓	✓	
Geolocation-Routing	✓	✓	

H

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
History-Info	✓	✓	

I

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Info-Package	✓	✓	5.1.0

M

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Max-Forwards	✓	✓	
MIME-Version	✓	✓	
Min-Expires	✓	✓	
Min-SE	✓	✓	

O

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Overload-Control	✓	✓	

P

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
P-Access-Network-Info	✓	✓	
P-Area-Info	✓	✓	
P-Asserted-Identity	✓	✓	
P-Associated-URI	✓	✓	
Path	✓	✓	
P-Asserted-Service	✓	✗	5.1.0
P-Called-Party-ID	✓	✓	
P-Carrier-Info	✓	✓	
P-CDR-Info	✓	✓	
P-Charge-Info	✓	✓	
P-Charging-Function-Addresses	✓	✓	
P-Charging-Vector	✓	✓	
P-ChgMsg-Info	✓	✓	

P-Com.Session-Info			5.1.0
P-DCS-Billing-Info			4.0.0
P-DCS-LAES			
P-Early-Media			
"P-K-Adn"			
P-K-Cfl			
P-K-Cfo			
P-Orig-CA			
P-Preferred-Identity			
P-Profile-Key			5.1.0
Privacy			
Proxy-Authenticate			
Proxy-Authorization			
Proxy-Require			
P-Sig-Info			
P-Svc-Info			
P-Term-CA			
P-Visited-Network-ID			

R

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
RAck			
Reason			
Record-Route			
Recv-Info			5.1.0
Referred-By b			
Refer-Sub			4.0.0
Refer-To r			
Remote-Party-ID			
Replaces			
Reply-To			
Requested-By			

Require	✓	✓	
Resource-Priority	✓	✓	
Retry-After	✓	✓	
Route	✓	✓	
RSeq	✓	✓	

S

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Security-Client	✓	✓	
Security-Server	✓	✓	
Security-Verify	✓	✓	
Server	✓	✓	4.0.0
Service-Route	✓	✓	
Session-Expires x	✓	✓	
Sip-Etag	✓	✓	4.0.0
Sip-If-Match	✓	✓	4.0.0
Subscription-State	✓	✓	
Supported k	✓	✓	
Suppress-If-Match	✓	✓	4.0.0

T

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Target-Dialog	✓	✓	
Timestamp	✓	✓	
To t	✓	✓	

U

Supported Feature	
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SIP Header	Send	Receive and Process	Release Added (since 3.1.7)
UnSupported	✓	✗	
User-Agent	✓	✓	4.0.0
User-to-User	✓	✓	

V

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Via v	✓	✓	

W

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
Warning	✓	✓	4.0.0
WWW-Authenticate	✓	✓	

X

SIP Header	Supported Feature		Release Added (since 3.1.7)
	Send	Receive and Process	
X-ATP	✓	✓	
X-AUT	✓	✓	
X-BCI	✓	✓	
X-CALLING-NUM	✓	✓	
X-Carrier-Info	✓	✓	
X-CHGDelay	✓	✓	
X-CHGInfo	✓	✓	
X-CONTRACT-ADDR	✓	✓	
X-EMG	✓	✓	
X-FCI	✓	✓	

X-FWDORIG-NUM	✓	✓	
X-GENERIC-NUM	✓	✓	
X-ISUPEvent	✓	✓	
X-ISUPMtype	✓	✓	
X-NOCI	✓	✓	
X-OBCI	✓	✓	
X-ORIGCLD-NUM	✓	✓	
X-REDBWDINF	✗	✓	
X-REDCAP	✓	✓	
X-REDCNT	✓	✓	
X-REDFWDINF	✓	✓	
X-Service-Indicator	✓	✓	
X-Service-Type	✓	✓	
X-TMR	✓	✓	
X-USI	✓	✓	

