

# Vendor Specific Attributes Reference

This page contains a complete current list of the Sonus specific attributes captured and recorded in Call Detail Records (CDR).

- [Media Attributes](#)
- [Session Signaling Attributes](#)
- [Call Attributes](#)
- [Time Attributes](#)
- [SIP Attributes](#)
- [Generic Attributes](#)

## Media Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-Fwd-Flow-In-Realm	string	SIP	11		Yes	Not supported:Realm associated with this forward stream.
NET-Fwd-Flow-In-Src-Addr	string	SIP	12		Yes	Source IP for this forward stream.
NET-Fwd-Flow-In-Src-Port	integer	SIP	13	0	Yes	Source port for this forward stream.
NET-Fwd-Flow-In-Dst-Addr	string	SIP	14		Yes	Destination IP for this forward stream.
NET-Fwd-Flow-In-Dst-Port	integer	SIP	15	0	Yes	Destination port for this forward stream.
NET-Fwd-Flow-Out-Realm	string	SIP	16		Yes	Not supported:Realm associated with this forward stream.
NET-Fwd-Flow-Out-Src-Addr	string	SIP	17		Yes	Describes source IP for this reverse stream.
NET-Fwd-Flow-Out-Src-Port	integer	SIP	18	0	Yes	Describes source port for this forward stream.
NET-Fwd-Flow-Out-Dst-Addr	string	SIP	19		Yes	Describes destination IP for this forward stream.
NET-Fwd-Flow-Out-Dst-Port	integer	SIP	20	0	Yes	Describes destination port for this forward stream.
NET-Bwd-Flow-In-Realm	string	SIP	21		Yes	Not supported:Realm associated with this reverse stream.
NET-Bwd-Flow-In-Src-Addr	string	SIP	22		Yes	Source IP for this reverse stream.
NET-Bwd-Flow-In-Src-Port	integer	SIP	23	0	Yes	Source port for this reverse stream.
NET-Bwd-Flow-In-Dst-Addr	string	SIP	24		Yes	Destination IP for this reverse stream.
NET-Bwd-Flow-In-Dst-Port	integer	SIP	25	0	Yes	Destination port for this reverse stream.
NET-Bwd-Flow-Out-Realm	string	SIP	26		Yes	Not supported:Realm associated with this reverse stream.
NET-Bwd-Flow-Out-Src-Addr	string	SIP	27		Yes	Source IP for this reverse stream.
NET-Bwd-Flow-Out-Src-Port	integer	SIP	28	0	Yes	Source port for this reverse stream.
NET-Bwd-Flow-Out-Dst-Addr	string	SIP	29		Yes	Destination IP for this reverse stream.
NET-Bwd-Flow-Out-Dst-Port	integer	SIP	30	0	Yes	Destination port for this reverse stream.
NET-Fwd-Flow-Media-Type	string	SIP	31		Yes	The media type - voice, fax, data, etc.
NET-Fwd-Flow-PTime	integer	SIP	32	0	Yes	Describes packet ptime in micro seconds.
NET-Fwd-Octets	integer	SIP	33	0	Yes	Number bytes of stream in forward direction.
NET-Fwd-Packets	integer	SIP	34	0	Yes	Total number of packets in forward stream/direction.
NET-Fwd-RTCP-Packets-Lost	integer	SIP	35	0	Yes	Future scope.Total number of RTCP packets lost in forward stream/direction.
NET-Fwd-RTCP-Avg-Jitter	integer	SIP	36	0	Yes	Future scope.RTCP average jitter in forward stream/direction.
NET-Fwd-RTP-Avg-Latency	integer	SIP	37	0	Yes	RTP average latency in forward stream/direction.
NET-Fwd-RTCP-MaxJitter	integer	SIP	38	0	Yes	Future scope.RTCP max jitter in forward stream/direction.
NET-Fwd-RTP-MaxLatency	integer	SIP	39	0	Yes	RTP max latency in forward stream/direction.
NET-Fwd-RTP-Packets-Lost	integer	SIP	40	0	Yes	RTP packets lost in forward stream/direction.
NET-Fwd-RTP-Avg-Jitter	integer	SIP	41	0	Yes	RTP average jitter in forward stream/direction.
NET-Fwd-RTP-MaxJitter	integer	SIP	42	0	Yes	RTP max jitter in forward stream/direction.
NET-Bwd-Octets	integer	SIP	43	0	Yes	Number bytes of stream in backward direction.
NET-Bwd-Packets	integer	SIP	44	0	Yes	Total number of packets in reverse stream/direction.
NET-Bwd-RTCP-Packets-Lost	integer	SIP	45	0	Yes	Future scope.Total number of RTCP packets lost in reverse stream/direction.
NET-Bwd-RTCP-Avg-Jitter	integer	SIP	46	0	Yes	Future scope.RTCP average jitter in reverse stream/direction.
NET-Bwd-RTP-Avg-Latency	integer	SIP	47	0	Yes	RTP average latency in reverse stream/direction.
NET-Bwd-RTCP-MaxJitter	integer	SIP	48	0	Yes	Future scope.RTCP max jitter in reverse stream/direction.
NET-Bwd-RTP-MaxLatency	integer	SIP	49	0	Yes	RTP max latency in reverse stream/direction.

NET-Bwd-RTP-Packets-Lost	integer	SIP	50	0	Yes	RTP packets lost in reverse stream/direction.
NET-Bwd-RTP-Avg-Jitter	integer	SIP	51	0	Yes	RTP average jitter in reverse stream/direction.
NET-Bwd-RTP-MaxJitter	integer	SIP	52	0	Yes	RTP max jitter in reverse stream/direction.

## Session Signaling Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-Session-Ingress-CallId	integer	ISDN/CAS/SIP	60	65535	No	This ID corresponds to INBOUND Call leg of the same call. 0xFFFF(65535) is INVALID number and would be used to indicate that the value needs to be ignored.
NET-Session-Egress-CallId	integer	ISDN/CAS/SIP	61	65535	No	This ID corresponds to OUTBOUND Call leg of the same call. 0xFFFF(65535) is INVALID number and would be used to indicate that the value needs to be ignored.
NET-Session-Generic-Id	integer	ISDN/CAS/SIP	62	0	No	Describes call identifier (conference ID) 0 - Invalid
NET-Routing-Table-Number	integer	ISDN/CAS/SIP	63	0	Yes	Routing table number selected for this call. 0 is INVALID number and would be used to indicate that the value needs to be ignored.
NET-Ingress-Signaling-Group	integer	ISDN/CAS/SIP	64	0	No	Incoming signaling group. 0 is INVALID number and would be used to indicate that the value needs to be ignored. Valid range: 1 - 10000 - SIP SG, 10001 - 20000 - ISDN SG, 20001 - 30000 - CAS SG This attribute is applicable only for INBOUND Call legs.
NET-Egress-Signaling-Group	integer	ISDN/CAS/SIP	65	0	No	Outgoing signaling group. 0 is INVALID number and would be used to indicate that the value needs to be ignored. Valid range: 1 - 10000 - SIP SG, 10001 - 20000 - ISDN SG, 20001 - 30000 - CAS SG This attribute is applicable only for OUTBOUND Call legs.
NET-Primary-Routing-Number	string	ISDN/CAS/SIP	66		Yes	Primary routing number. Empty string is used to indicate that the value needs to be ignored. "" - Invalid
NET-Egress-Final-Routing-Num	string	ISDN/CAS/SIP	67		Yes	Final routing number. Empty string is used to indicate that the value needs to be ignored. "" - Invalid this is valid only for Ingress call. For Egress call, it will have default value of 0.
NET-Ingress-Channel-Number	integer	ISDN/CAS/SIP	68	0	No	Incoming channel number. 0 is INVALID number and would be used to indicate that the value needs to be ignored. Valid range: 1 - 1000 This attribute are applicable only for INBOUND Call legs.
NET-Egress-Channel-Number	integer	ISDN/CAS/SIP	69	0	No	Outgoing channel number. 0 is INVALID number and would be used to indicate that the value needs to be ignored. Valid range: 1 - 1000. This attribute are applicable only for OUTBOUND Call legs.
NET-Call-Type	integer	ISDN/CAS/SIP	70	0	Yes	Describes the call type. 0= unset, 1 = voice, 2 = T38Fax, 11 = Fax_PassThrough 12 = Modem_PassThrough Note: In case of TDM to TDM calls only "1=voice" is supported. ZERO is used to indicate that the value needs to be ignored
NET-Call-Origin	integer	ISDN/CAS/SIP	71	0	No	Describes the call direction. 0=eINVALID, 1=eINBOUND, 2=eOUTBOUND, 0 is INVALID number and would be used to indicate that the value needs to be ignored.
NET-Calling-Number	string	ISDN/CAS/SIP	72		No	Calling number. "" - Invalid. Note: Special config setting required for CAS. NET-Calling-Number attribute for FXS requires assigning Own Number to applied ports. Under Web UI - System tab Select the CAS SG entry from the Signaling Group, click on Channel Hunting pull down list and select the Own Number. Assign the ports with calling phone number.
NET-Called-Number	string	ISDN/CAS/SIP	73		No	Called Number. "" - Invalid
NET-Calling-Name	string	ISDN/CAS/SIP	74		No	Calling Name, if present
NET-Disconnect-Cause	integer	ISDN/CAS/SIP	75	0	Yes	Disconnect cause - Must for Disconnect case. 0 is used to indicate that the value needs to be ignored.
NET-Abort-Cause	integer	ISDN/CAS/SIP	76	0	Yes	Abort cause - Must for Abort case. 0 is used to indicate that the value needs to be ignored.
NET-Ingress-Channel-Id	string	ISDN/CAS/SIP	77		No	ISDN/CAS : Card:Port:Channel, SIP : Card:SGID:Channel. Null indicates no value provided and needs to be ignored. This attribute are applicable only for INBOUND Call legs.
NET-Egress-Channel-Id	string	ISDN/CAS/SIP	78		No	ISDN/CAS : Card:Port:Channel, SIP : Card:SGID:Channel. Null indicates no value provided and needs to be ignored. This attribute are applicable only for OUTBOUND Call legs.
NET-Call-Priority	string	ISDN/CAS/SIP	79		No	Call priority, if present.

## Call Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-Call-Number-Type	string	ISDN	90	-1	Yes	Describes call number type. 0 = Unknown ,1 = International Number,2 = National Number,3 = Network Specific Number,4 = Subscriber Number ,5 = Abbreviated number,-1 - would be used to indicate that the value needs to be ignored.
NET-Call-Plan	string	ISDN	91	-1	Yes	Describes call plan. 0 = Unknown, 1 = ISDN/Telephony numbering plan, 2 = Data Numbering plan, 3 = Telex Numbering plan, 4 = National Standard numbering plan, 5 = Private numbering plan, 6 = Reserved for extension, -1 - would be used to indicate that the value needs to be ignored.
NET-Original-Called-Number	string	ISDN	92		Yes	Describes original called number
NET-Original-Called-Type	string	ISDN	93	-1	Yes	Describes original called number type. 0 = Unknown ,1 = International Number, 2 = National Number, 3 = Network Specific Number, 4 = Subscriber Number, 5 = Abbreviated number.-1 - Would be used to indicate that the value needs to be ignored.
NET-Original-Called-Plan	string	ISDN	94	-1	Yes	Describes original called number plan.0 = Unknown, 1 = ISDN/Telephony numbering plan, 2 = Data Numbering plan, 3 = Telex Numbering plan, 4 = National Standard numbering plan, 5 = Private numbering plan,6 = Reserved for extension. -1 - Would be used to indicate that the value needs to be ignored.
NET-Called-Name	string	ISDN	95		Yes	Describes called name.
NET-Namespace	string	ISDN	96	-3	Yes	Describes Namespace used. -2 = Disabled, -1 = Transparent, 0 = Unset / Untranslated, 1 = DSN, 2 = DRSN, 3 = Q.735, 4 = Maximum value ,0 - Unset/Untranslated used for configuring transformation only and never seen at protocol level.-3 - would be used to indicate that the value needs to be ignored.
NET-Precedence	string	ISDN	97	-1	Yes	Describes call precedence.0 = Unset, 1 = Lowest, 5 = Routine, 10 = Priority, 15 = Immediate, 20 = Flash, 25 = Flash Override, 31 = Flash Override always, 32 = Maximum value.-1 - Would be used to indicate that the value needs to be ignored
NET-Presentation	string	ISDN	98	-1	Yes	Describes call presentation. 0 = Presentation Allowed, 1 = Presentation Restricted, 2 = Number not available due to interworking, 3 = Reserved. -1 - Would be used to indicate that the value needs to be ignored.
NET-Screening	string	ISDN	99	-1	Yes	Describes call screening.0 = User provided(not screened), 1 = User provided(verified and passed), 2 = User provided(verified and failed), 3 = Network provided. -1 - Would be used to indicate that the value needs to be ignored.
NET-Transfer-Capability	string	ISDN	100	-1	Yes	Describes Transfer capability.0 = Speech, 1 = Unrestricted Digital Information, 2 = Restricted Digital information, 3 = 3.1 kHz audio, 4 = Unrestricted digital information with tones/announcements, 5 = Video.-1 - Would be used to indicate that the value needs to be ignored.
NET-Transfer-Mode	string	ISDN	101	-1	Yes	Describes transfer mode.0 = Circuit-mode, 1 = Packet-mode.-1 - Would be used to indicate that the value needs to be ignored.
NET-Transfer-Rate	string	ISDN	102	-1	Yes	Describes transfer rate.0 = This code shall be used for all packet calls, 1 = 64 kbit/s circuit mode, 2 = 2 x 64 kbit/s circuit mode, 3 = 384 kbit/s circuit mode, 4 = 1472 kbit/s, 5 = 1536 kbit/s circuit mode, 6 = 1920 kbit/s circuit mode, 7 = Multirate (64 kbit/s base rate).-1 - Would be used to indicate that the value needs to be ignored.
NET-User-Rate	string	ISDN	103	-1	Yes	Describes user rate.18 = 56 kbit/s, 20 = 64 kbit/s Recommendation X.1.-1 - Would be used to indicate that the value needs to be ignored.

## Time Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-Setup-Time	string	ISDN/CAS/SIP	110		No	Call setup time. This value indicates time in terms of Seconds in UNIX EPOCH format.
NET-Alert-Time	string	ISDN/CAS/SIP	111		Yes	Call alert time. This value indicates time in terms of Seconds in UNIX EPOCH format.
NET-Connect-Time	string	ISDN/CAS/SIP	112		Yes	Call connect time, the date and time the call was actually connected, in UNIX EPOCH format. The time will be the local time configured on the Sonus SBC 1000/2000
NET-Disconnect-Time	string	ISDN/CAS/SIP	113		Yes	Call disconnect time ,the date and time the call terminated, in UNIX EPOCH format. The time will be the local time configured on the Sonus SBC 1000/2000
NET-Inbound-Seize-Time	string	ISDN/CAS/SIP	114		Yes	Inbound seize time. This value indicates time in terms of Seconds in UNIX EPOCH format.
NET-Outbound-Seize-Time	string	ISDN/CAS/SIP	115		Yes	Outbound seize time. This value indicates time in terms of Seconds in UNIX EPOCH format.
NET-Call-Duration	integer	ISDN/CAS/SIP	116	0	Yes	Call duration (call length) in seconds (rounded to nearest second). The value will be 0 if never connected.

NET-Post-Dial-Delay	integer	ISDN/CAS/SIP	117	0	Yes	Post dial delay in micro seconds.
NET-Disconnect-Initiator	integer	ISDN/CAS/SIP	118	0	Yes	Disconnect initiator: 0 - Indicates that this Channel did not initiate the Call disconnect from CCC standpoint, i.e. it received Disconnect from other call leg associated with the call.1 - Indicates that this Channel initiated the Call disconnect from CCC standpoint, i.e. it received Disconnect from external interface.

## SIP Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-P-Asserted-ID	string	SIP	130		Yes	Indicates P-Asserted ID.
NET-SIP-Diversion	string	SIP	131		Yes	Describes SIP diversion header.
NET-Ingress-Local-Addr	string	SIP	132		Yes	Incoming local IP.This attribute will be applicable for Inbound call leg. For Outbound call leg this will be NULL.
NET-Ingress-Remote-Addr	string	SIP	133		Yes	Incoming Remote IP. This attribute will be applicable for Outbound call leg. For Inbound call leg this will be NULL.
NET-Egress-Local-Addr	string	SIP	134		Yes	Outgoing local IP. This attribute will be applicable for Outbound call leg. For Inbound call leg this will be NULL.
NET-Egress-Remote-Addr	string	SIP	135		Yes	Outgoing remote IP. This attribute will be applicable for Outbound call leg. For Inbound call leg this will be NULL.
NET-Ingress-Net-Interface-Id	integer	SIP	136	0	Yes	Incoming network interface ID. This attribute are applicable only for INBOUND Call legs.
NET-Egress-Net-Interface-Id	integer	SIP	137	0	Yes	Outgoing network interface ID. This attribute are applicable only for OUTBOUND Call legs.
NET-Refer-Call-Transfer-Id	string	SIP	138		Yes	REFER call transfer ID.
NET-Session-Forked-Call-Id	string	SIP	139		Yes	Session forked call ID.
NET-Redirect-Number	string	SIP	140		Yes	Redirect number.
NET-Redirect-Ip-Address	string	SIP	141		Yes	Redirect IP address.
NET-Session-Ingress-Realm	string	SIP	142		Yes	Incoming IP realm- Will be provided only if realm is present. IP will be ignored.
NET-Session-Egress-Realm	string	SIP	143		Yes	Outgoing IP realm- Will be provided only if realm is present. IP will be ignored.
NET-Ingress-Signaling-Port-Num	integer	SIP	144	0	Yes	Incoming signaling port number 0 is used to indicate that the value needs to be ignored. This attribute are applicable only for INBOUND Call legs.
NET-Egress-Signaling-Port-Num	integer	SIP	145	0	Yes	Outgoing signaling port number 0 is used to indicate that the value needs to be ignored. This attribute are applicable only for OUTBOUND Call legs.
NET-Transport-Type	integer	SIP	146	0	Yes	Provides the last snapshot of Transport type used in the call. Possible values UDP, TCP or TLS 0=eNONE,1=eUDP,2=eTCP,3=eTLS
NET-P-Preferred-ID	string	SIP	147		No	P-Preferred-Identity header from SIP Invite message

## Generic Attributes

attribute_name	data_type	Call Type	VSA Number	Default Value	Attribute Sent Only On Stop	Description
NET-Firmware-Version	string	ISDN/CAS/SIP	160		No	Indicates Sonus SBC 1000/2000 firmware version.
NET-Local-Time-Zone	string	ISDN/CAS/SIP	161		No	Indicates Sonus SBC 1000/2000 local time zone.
NET-Gw-Id	string	ISDN/CAS/SIP	162		No	Indicates Sonus SBC 1000/2000 gateway ID.
NET-Time-And-Day	string	ISDN/CAS/SIP	163		No	Indicates CDR creation Date and time, Sonus SBC 1000/2000 local time in terms of seconds in UNIX EPOCH format.
NET-Log-Time	string	ISDN/CAS/SIP	164		No	Indicates CDR log time. Format:Day Month dd hh:mm:ss yyyy Example:Thu Nov 17 16:56:12 2011