Resource - isdnsg

About this Resource

Defines an **ISDN Signaling Group Table** for an ISDN protocol connection on the SBC Edge system.

REST API Methods for this Resource

- GET isdnsg
- GET isdnsg id
- POST isdnsg id
- PUT isdnsg id
- DELETE isdnsg id
- POST isdnsg - action resetcounters
- GET isdnsg historicalstatistics
- GET isdnsg historicalstatistics id

Resource Schema

Configuration

Parameter Name	Required	Service Affecting	Data Type	Default Value	Possible Values	Description
customAdminState	Yes	Yes	Enum	1	Possible values: • 0 - cmCustomDisabled • 1 - cmCustomEnabled • 2 - cmCustomDrain	Enable or Disable this signaling group or set t Drain mode.
ApplyToPortName	Yes	Yes	string	none	128 - Max Length	Specifies which physica 1/E1 Port this signaling group is for.
Description	No	No	string	none	64 - Max Length	Describes the Signaling Group so that it is easil identifiable when select for a Call Route Table
IsdnSgSwitchVariant	Yes	Yes	Enum	3	Possible values: • 0 - isvATT4ESS • 1 - isvATT5ESS • 2 - isvDMS100 • 3 - isvNI2 • 4 - isvETSI • 5 - isvQSIG • 6 - isvINET1500	Specifies the ISDN vari for this signaling group
IsdnSgSideOrientation	Yes	Yes	Enum	0	Possible values: • 0 - isoUser • 1 - isoNetwork • 2 - isoNone	Specifies the ISDN user/network side for th signaling group
IsdnSgOverlapRxMode	Yes	Yes	Enum	0	Possible values: • 0 - iorDisable • 1 - iorEnable	Specifies if overlap receiving is enabled on signaling group. Only v for Euro ISDN (ETSI) a QSIG Switch Variants.

IsdnSgOverlapTxMode	Yes	Yes	Enum	0	Possible values: • 0 - iosDisable • 1 - iosEnable	Specifies if overlap sending is enabled on t signaling group. Only va for Euro ISDN (ETSI) ar QSIG Switch Variants.
IsdnSgIndicatedChannel	Yes	Yes	Enum	1	Possible values: • 0 - iicPreferred • 1 - iicExclusive	Specifies the setting of Indicated Channel field the Channel Identificati IE in the SETUP messa sent to the far end for th signaling group.
IsdnServiceMessageCapability	Yes	Yes	Enum	1	Possible values: • 0 - iscDisable • 1 - iscEnable	Specifies if service messaging is used on th signaling group. Only va for ATT 4ESS, ATT 5E NI2 and INS NET 1500 Switch Variants.
IsdnStopFarEndT310UponTryingFromSip	Yes	Yes	Enum	0	Possible values: • 0 - isfDisable • 1 - isfEnable	Specifies if a Q.931 PROGRESS message sent to the far-end so th it does not timeout (T31 while SIP response is pending from the SIP le causing the call to relea This setting typically enabled only for testing scenarios and should n used in a production system.

IsdnAllowCallingNameDisplayToSwitch	Yes	Yes	Enum	0	Possible values: • 0 - iacDisable • 1 - iacEnable	Specifies if the Q.931 SETUP message is ser the far-end should inclu the DISPLAY Informatic Element (IE). If this opti is enabled, the DISPLA IE is populated for **NI2** **uro-ISDN** switch types, otherwise the DISPLAY is not populated for thes switch types. This setting is available when **SDN Side** is se to **User** and **Sw tch Variant** is either **NI2** or **Eu ro-ISDN**. In general, the DISPLAY IE is populated according to ISDN communication standards. The NI2 and Euro-ISDN specifications state that the DISPLAY IE _should not_ be populated. This option allows you to override that configuration fo your environment.

IsdnSgHuntMethod	Yes	Yes	Enum	4	Possible values: • 0 - sghmStandard • 1 - sghmReverseStandard • 2 - sghmRoundRobin • 3 - sghmLeastIdle • 4 - sghmMostIdle • 5 - sghmOwnNumber	Method that Call Contrc uses to allocate ISDN channels. This is only v for Outbound or Bidirectional Direction settings. • **Standard** - This option assigns the first available low numbered channel • **Reverse Standarc** This option assigns the last available h numbered channel • **Round Robin** - Th option assigns channels based or next available from low numbered to h numbered. • **Least Idle** - This option chooses channels based or the least idle chan • **Most Idle** - This option chooses channels based or the most idle chan
IsdnSgDirection	Yes	Yes	Enum	2	Possible values: • 0 - sgdirInbound • 1 - sgdirOutbound • 2 - sgdirBidirectional	Indicates the direction c calls supported • **Inbound** - Support only incoming calls from ISDN endpoir • **Outbound** - Suppc only outgoing call t ISDN endpoints. • **Bidirectional** - Support both incoming or outgoi calls to ISDN endpoints.

IsdnSgRingbackPlayPolicy	Yes	Yes	Enum	0	Possible values: • 0 - sgrbpAuto • 1 - sgrbpAlways • 2 - sgrbpNever • 3 - sgrbpAutoOnAlertProgress • 4 - sgrbpAlwaysOnAlertProgress	Specifies when to generate local ring back • **Auto on Alert** - Depends if inband audio is available when processing A • **Always on Alert** - always generate inband ringback wh processing Alert • **Auto on Alert/Progress** - Depends if inband audio is available when processing A or Progress • **Always on Alert/Progress** - always generate inband ringback wh processing Alert or Progress • **Never** - never generate inband ringback
ToneTableNumber	Yes	Yes	int	0	Possible values: • 0 - Minimum • 65534 - Maximum	Specifies the Tone Tab to use on this signaling group. This option is on available for Inbound ar Bidirectional.
ActionsetTableNumber	No	No	int	0	Possible values: • 0 - Minimum • 65534 - Maximum	Specifies the Action Se Table to use on this signaling group. This option is only available Inbound and Bidirectior
RouteTableNumber	Yes	Yes	int	1	Possible values: • 1 - Minimum • 65534 - Maximum	Specifies the Call Route Table to use on the signaling group to route calls with. This option is only available for Inbou and Bidirectional.
NoChannelAvailableId	No	No	int	34	Possible values: • 1 - Minimum • 127 - Maximum	In case of "No Channel/Circuit availab release cause code, CC is going to map this to t value configured agains this entry in the signalin group. This cause code will be sent to the relev protocol module.

TimerSanitySetup	No	No	int	255000	Possible values: • 180000 - Minimum • 750000 - Maximum	Specifies the sanity tim for setup message, in milliseconds. A Call tha has not received a response from the peer switch will be released after this time. This is fo all call types. The durat of this timer should be equal to or greater than the T301 timer.
IsdnSgTimerT301	Yes	Yes	int	180	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af the ISDN call enters Ringing before clearing call if the call is not answered. The duration this timer should not exceed the Call Setup Response Timer (TimerSanitySetup)
IsdnSgTimerT302	Yes	Yes	int	15	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the inter digit timeout before proceed with the call in overlapp dialing
IsdnSgTimerT303	Yes	Yes	int	4	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af a SETUP is sent to wai a proceeding response
IsdnSgTimerT305	Yes	Yes	int	30	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af a DISCONNECT is sen wait for a response
IsdnSgTimerT308	Yes	Yes	int	4	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af a RELEASE is sent to v for a response
IsdnSgTimerT309	Yes	Yes	int	6	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af the D channel goes dov to release active calls
IsdnSgTimerT310	Yes	Yes	int	30	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af CALL PROCEEDING to wait for a call progress response
IsdnSgTimerT313	Yes	Yes	int	4	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout fo Network side ISDN afte sending a CONNECT to wait for the response
IsdnSgTimerT314	Yes	Yes	int	4	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout fo QSIG to wait between SEGMENT messages f a segmented message
IsdnSgTimerT316	Yes	Yes	int	120	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af sending a RESTART message for a respons

IsdnSgTimerT322	Yes	Yes	int	4	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af sending a STATUS ENQUIRY to wait for a response
IsdnSgTimerT3M1	Yes	Yes	int	120	Possible values: • 1 - Minimum • 255 - Maximum	Specifies the timeout af sending a SERVICE for response
ProtocolIdentifier	No	No	Enum	1	Possible values: • 0 - apiNetworkExtensions • 1 - apiROSE	Specifies the Protocol Identifier to use within ASN.1 for QSIG.
AsnNumberingSpace	No	No	Enum	0	Possible values: • 0 - ansLocal • 1 - ansGlobal	Specifies the ASN.1 numbering space for QSIG.
IncludeNFEIAPDU	No	No	Enum	1	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no include the Network Facility Extension and Interpretation APDU in ASN.1 for QSIG.
IncludeInterfaceIdentifier	No	No	Enum	0	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no include the interface identifier in out going channel identification information elements.
ChannelNumberBit	No	No	Enum	1	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no set the high bit in the channel number byte in channel identification information elements.
SendRNInFacility	No	No	Enum	0	Possible values: • 0 - btFalse • 1 - btTrue	Controls how the redirecting number is se for Euro ISDN (ETSI). When enabled, redirect number is passed into t Facility IE.
PortChannelCountFull	Yes	Yes	Enum	1	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no every channel is being used for the signaling group. When set to 1 ApplyToChannelList is used. Only applicable fo PRI signaling groups.
ApplyToChannelList	Yes	Yes	string	none	512 - Max Length	Apply to Channel List u to store the channel list from user. Comma seperated values of typ "card.port:channel" E.g. 1.1:1,1.1:2,1.1:3,... if Channels selected and NULL, if no channels ar selected. Only applicab for PRI signaling groups

DelayChannelClearing	Yes	Yes	Enum	0	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no channel should be kept open post Disconnect, when PI=8 received.
ChannelClearingDelay	Yes	Yes	int	10		Delay in Seconds chan is kept open after recei the DISCONNECT with PI=8.
ImmediateDisconnectOnCausecode	Yes	Yes	Enum	0	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether or no channel should be immediately disconnect on cause code receivec Disconnect Message.
CauseCodes	Yes	Yes	string	16	400 - Max Length	This is a comma separa string of the Q.850 caus codes listed in the Q.85 Cause Codes. Channel should be immediately disconnected if any one these cause code matc to that received in the Disconnect Message.
TEIAssignment	No	Yes	int	-1	Possible values: • -1 - Minimum • 63 - Maximum	Specifies the TEI to use TE/User side BRI. 0 through 63 are absolute values and -1 is automa assignment. If signaling group is set for PRI or NT/Network side BRI th is not used.
SGType	Yes	Yes	Enum	0	Possible values: • 0 - dstDS1 • 1 - dstBRI • 2 - dstNone	Specifies the type of ISI signaling group.
SendFacilityPassthrough	No	No	Enum	1	Possible values: • 0 - btFalse • 1 - btTrue	Specifies if the Signalin Group should transmit a Facility message passe through from another IS Signaling Group. If set then Facility message is sent, if not set then the Facility message is dropped.
AddSetupProgress	No	No	Enum	0	Possible values: • 0 - apiNone • 1 - apiNotEndToEnd • 2 - apiDestISDN • 3 - apiOrigISDN • 4 - apiReturnISDN • 5 - apiInterworking • 6 - apiInbandInfo • 7 - apiDelayEncountered	Specifies if an outgoing SETUP message shoul have a Progress Indicat IE added to it with the configured value. Only adds the IE if one is not already present.

AddNetworkSpecificFacility	No	No	Enum	0	Possible values: • 0 - btFalse • 1 - btTrue	Specifies if an outgoing SETUP message shoul have a Network Specifi Facility IE added to it. C adds the IE if one is not already present. Only v for ATT 4ESS and ATT 5ESS ISDN variants.
NSFIdentification	No	No	Enum	0	Possible values: • 0 - nidNone • 1 - nidUser • 2 - nidNational • 3 - nidInternational	Sets the Network Speci Facility IE identification the IE is not present bu does not modify an existing IE. Only valid when AddNetworkSpecificFac is Enabled.
NSFInformation	No	No	Enum	0	Possible values: • 0 - ninSDN • 1 - ninTollFree • 2 - ninMEGACOM • 3 - ninACCUNET • 4 - ninInternationalTollFree • 5 - ninMultiQuest • 6 - ninLongDistance • 7 - ninCallRedirection	Sets the Network Speci Facility IE information if IE is not present but do not modify an existing I Only valid when AddNetworkSpecificFac is Enabled.
EarlyMediaOnDestNotIsdn	No	No	Enum	1	Possible values: • 0 - btFalse • 1 - btTrue	Specifies whether receiving Progress Indicator value 2 (Destination not ISDN) should be considered a early media.

Statistics

Parameter Name	Description	Data Type	Possible Values
rt_IsdnSgQ921State	Displays the state of the Q921 link.	Enum	Possible values: • 0 - isdnSgLinkConnRlsd • 1 - isdnSgLinkAwaitEst • 2 - isdnSgLinkAwaitRel • 3 - isdnSgLinkMfEst • 4 - isdnSgLinkTimerRcvr • 5 - isdnSgLinkTEIUnassigned • 6 - isdnSgLinkAssignAwaitTEI • 7 - isdnSgLinkEstAwaitTEI • 8 - isdnSgLinkTEIAssigned
rt_rxCount	Displays the total number of Frames received by this Signaling Group.	long	
rt_rxICount	Displays the number of I Frames received by this Signaling Group.	long	

rt_rxSCount	Displays the number of S Frames received by this Signaling Group.	long	
rt_rxUNCount	Displays the number of UN Frames received by this Signaling Group.	long	
rt_rxUA	Displays the number of UA Frames received by this Signaling Group.	long	
rt_rxSABME	Displays the number of UA Frames received by this Signaling Group.	long	
rt_rxDISC	Displays the number of DISC Frames received by this Signaling Group.	long	
rt_rxDM	Displays the number of DM Frames received by this Signaling Group.	long	
rt_rxFRMR	Displays the number of FRMR Frames received by this Signaling Group.	long	
rt_rxRR	Displays the number of RR Frames received by this Signaling Group.	long	
rt_rxRNR	Displays the number of RNR Frames received by this Signaling Group.	long	
rt_rxREJ	Displays the number of REJ Frames received by this Signaling Group.	long	
rt_rxEstReq	Displays the number of Link Establish Requests for this Signaling Group.	long	
rt_rxRelReq	Displays the number of Link Release Requests for this Signaling Group.	long	
rt_rxDataReq	Displays the number of Link Data Requests for this Signaling Group.	long	
rt_txCount	Displays the total number of Frames transmitted by this Signaling Group.	long	
rt_txCountBusy	Displays the total number of Octets in Busy State transmitted by this Signaling Group.	long	
rt_txUA	Displays the number of UA Frames transmitted by this Signaling Group.	long	
rt_txSABME	Displays the number of SABME Frames transmitted by this Signaling Group.	long	
rt_txDISC	Displays the number of DISC Frames transmitted by this Signaling Group.	long	
rt_txDM	Displays the number of DM Frames transmitted by this Signaling Group.	long	
rt_txFRMR	Displays the number of FRMR Frames transmitted by this Signaling Group.	long	
rt_txRR	Displays the number of RR Frames transmitted by this Signaling Group.	long	
rt_txRNR	Displays the number of RNR Frames transmitted by this Signaling Group.	long	

rt_txREJ	Displays the number of REJ Frames transmitted by this Signaling Group.	long	
rt_txICount	Displays the number of I Frames transmitted by this Signaling Group.	long	
rt_linkDownCount	Displays the total number of links up in this Signaling Group.	int	
rt_linkUpCount	Displays the total number of links up in this Signaling Group.	int	
rt_CurrentActiveCalls	Displays the number of Current Active Calls for this Signaling Group.	int	
rt_TotalCallsProcessed	Displays the number of Total Calls for this Signaling Group.	int	
rt_TotalErroredCalls	Displays the number of Errored Calls for this Signaling Group.	int	
rt_TotalRefusedCalls	Displays the number of Refused Calls for this Signaling Group.	int	
rt_TotalConnectedCalls	Displays the number of Connected Calls for this Signaling Group.	int	
rt_IncomingCallattempts	Displays the number of Ingress Call Attempts for this Signaling Group.	int	
rt_IncomingCallaccepts	Displays the number of Ingress Calls Accepted for this Signaling Group.	int	
rt_IncomingCallrejects	Displays the number of Ingress Calls Rejected for this Signaling Group.	int	
rt_IncomingCallcompletes	Displays the number of Ingress Calls Completed for this Signaling Group.	int	
rt_OutgoingCallattempts	Displays the number of Egress Call Attempts for this Signaling Group.	int	
rt_OutgoingCallaccepts	Displays the number of Egress Calls Accepted for this Signaling Group.	int	
rt_OutgoingCallrejects	Displays the number of Egress Calls Rejected for this Signaling Group.	int	
rt_OutgoingCallcompletes	Displays the number of Egress Calls Completed for this Signaling Group.	int	
rt_TEIInUse	Displays the current TEI value in use. 0 through 63 are static values, 64 through 126 are assigned values and 127 is unassigned.	int	