

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: <ul style="list-style-type: none">• 0 - cmCustomDisabled• 1 - cmCustomEnabled• 2 - cmCustomDrain	Enable or Disable this signaling group or set to Drain mode.
ApplyToPortName	Yes	Yes	string	none	128 - Max Length	Specifies which physical 1/E1 Port this signaling group is for.
Description	No	No	string	none	64 - Max Length	Describes the Signaling Group so that it is easily identifiable when selected for a Call Route Table
IsdnSgSwitchVariant	Yes	Yes	Enum	3	Possible values: <ul style="list-style-type: none">• 0 - isvATT4ESS• 1 - isvATT5ESS• 2 - isvDMS100• 3 - isvNI2• 4 - isvETSI• 5 - isvQSIG• 6 - isvINET1500	Specifies the ISDN variant for this signaling group
IsdnSgSideOrientation	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none">• 0 - isoUser• 1 - isoNetwork• 2 - isoNone	Specifies the ISDN user/network side for this signaling group
IsdnSgOverlapRxMode	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none">• 0 - iorDisable• 1 - iorEnable	Specifies if overlap receiving is enabled on signaling group. Only valid for Euro ISDN (ETSI) and QSIG Switch Variants.

IsdnSgOverlapTxMode	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none"> • 0 - iosDisable • 1 - iosEnable 	Specifies if overlap sending is enabled on the signaling group. Only valid for Euro ISDN (ETSI) and QSIG Switch Variants.
IsdnSgIndicatedChannel	Yes	Yes	Enum	1	Possible values: <ul style="list-style-type: none"> • 0 - iicPreferred • 1 - iicExclusive 	Specifies the setting of Indicated Channel field the Channel Identification IE in the SETUP message sent to the far end for the signaling group.
IsdnServiceMessageCapability	Yes	Yes	Enum	1	Possible values: <ul style="list-style-type: none"> • 0 - iscDisable • 1 - iscEnable 	Specifies if service messaging is used on the signaling group. Only valid for ATT 4ESS, ATT 5ESS, NI2 and INS NET 1500 Switch Variants.
IsdnStopFarEndT310UponTryingFromSip	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none"> • 0 - isfDisable • 1 - isfEnable 	Specifies if a Q.931 PROGRESS message is sent to the far-end so that it does not timeout (T31) while SIP response is pending from the SIP leg causing the call to release. This setting typically enabled only for testing scenarios and should not be used in a production system.

<p>IsdnAllowCallingNameDisplayToSwitch</p>	<p>Yes</p>	<p>Yes</p>	<p>Enum</p>	<p>0</p>	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - iacDisable • 1 - iacEnable 	<p>Specifies if the Q.931 SETUP message is sent to the far-end should include the DISPLAY Information Element (IE). If this option is enabled, the DISPLAY IE is populated for NI2 and Euro-ISDN switch types, otherwise the DISPLAY IE is not populated for these switch types.</p> <div data-bbox="1304 478 1515 737" style="border: 1px solid #ccc; padding: 5px;"> <p> This setting is available when SDN Side is set to User and Switch Variant is either NI2 or Euro-ISDN.</p> </div> <div data-bbox="1304 737 1515 1423" style="border: 1px solid #ccc; padding: 5px;"> <p> 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 for your environment.</p> </div>
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<p>IsdnSg HuntMethod</p>	<p>Yes</p>	<p>Yes</p>	<p>Enum</p>	<p>4</p>	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - sghmStandard • 1 - sghmReverseStandard • 2 - sghmRoundRobin • 3 - sghmLeastIdle • 4 - sghmMostIdle • 5 - sghmOwnNumber 	<p>Method that Call Contrc uses to allocate ISDN channels. This is only v for Outbound or Bidirectional Direction settings.</p> <ul style="list-style-type: none"> • Standard - This option assigns the first available low numbered channel • Reverse Standard - This option assigns the last available h numbered channel • Round Robin - Th option assigns channels based on next available from low numbered to h numbered. • Least Idle - This option chooses channels based on the least idle chan • Most Idle - This option chooses channels based on the most idle chan
<p>IsdnSg Direction</p>	<p>Yes</p>	<p>Yes</p>	<p>Enum</p>	<p>2</p>	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - sgdirInbound • 1 - sgdirOutbound • 2 - sgdirBidirectional 	<p>Indicates the direction c calls supported</p> <ul style="list-style-type: none"> • Inbound - Support only incoming calls from ISDN endpoir • Outbound - Supp only outgoing call t ISDN endpoints. • Bidirectional - Support both incoming or outgoi calls to ISDN endpoints.

IsdnSgRingbackPlayPolicy	Yes	Yes	Enum	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - sgrbpAuto • 1 - sgrbpAlways • 2 - sgrbpNever • 3 - sgrbpAutoOnAlertProgress • 4 - sgrbpAlwaysOnAlertProgress 	<p>Specifies when to generate local ring back</p> <ul style="list-style-type: none"> • Auto on Alert - Depends if inband audio is available when processing <i>A</i> • Always on Alert - always generate inband ringback w/ processing Alert • Auto on Alert/Progress - Depends if inband audio is available when processing <i>A</i> or Progress • Always on Alert/Progress - always generate inband ringback w/ processing Alert or Progress • Never - never generate inband ringback
ToneTableNumber	Yes	Yes	int	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - Minimum • 65534 - Maximum 	<p>Specifies the Tone Table to use on this signaling group. This option is not available for Inbound and Bidirectional.</p>
ActionsetTableNumber	No	No	int	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - Minimum • 65534 - Maximum 	<p>Specifies the Action Set Table to use on this signaling group. This option is only available for Inbound and Bidirectional.</p>
RouteTableNumber	Yes	Yes	int	1	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 65534 - Maximum 	<p>Specifies the Call Route Table to use on the signaling group to route calls with. This option is only available for Inbound and Bidirectional.</p>
NoChannelAvailableId	No	No	int	34	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 127 - Maximum 	<p>In case of "No Channel/Circuit available" release cause code, CC is going to map this to the value configured against this entry in the signaling group. This cause code will be sent to the relevant protocol module.</p>

TimerSanitySetup	No	No	int	255000	<p>Possible values:</p> <ul style="list-style-type: none"> • 180000 - Minimum • 750000 - Maximum 	Specifies the sanity timer for setup message, in milliseconds. A Call that has not received a response from the peer switch will be released after this time. This is for all call types. The duration of this timer should be equal to or greater than the T301 timer.
IsdnSgTimerT301	Yes	Yes	int	180	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of the ISDN call enters Ringing before clearing call if the call is not answered. The duration of this timer should not exceed the Call Setup Response Timer (TimerSanitySetup)
IsdnSgTimerT302	Yes	Yes	int	15	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the inter digit timeout before proceeding with the call in overlapped dialing
IsdnSgTimerT303	Yes	Yes	int	4	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of a SETUP is sent to wait for a proceeding response
IsdnSgTimerT305	Yes	Yes	int	30	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of a DISCONNECT is sent to wait for a response
IsdnSgTimerT308	Yes	Yes	int	4	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of a RELEASE is sent to wait for a response
IsdnSgTimerT309	Yes	Yes	int	6	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of the D channel goes down to release active calls
IsdnSgTimerT310	Yes	Yes	int	30	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of CALL PROCEEDING to wait for a call progress response
IsdnSgTimerT313	Yes	Yes	int	4	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout for Network side ISDN after sending a CONNECT to wait for the response
IsdnSgTimerT314	Yes	Yes	int	4	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout for QSIG to wait between SEGMENT messages for a segmented message
IsdnSgTimerT316	Yes	Yes	int	120	<p>Possible values:</p> <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of sending a RESTART message for a response

IsdnSgTimerT322	Yes	Yes	int	4	Possible values: <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of sending a STATUS ENQUIRY to wait for a response
IsdnSgTimerT3M1	Yes	Yes	int	120	Possible values: <ul style="list-style-type: none"> • 1 - Minimum • 255 - Maximum 	Specifies the timeout of sending a SERVICE for response
ProtocolIdentifier	No	No	Enum	1	Possible values: <ul style="list-style-type: none"> • 0 - apiNetworkExtensions • 1 - apiROSE 	Specifies the Protocol Identifier to use within ASN.1 for QSIG.
AsnNumberingSpace	No	No	Enum	0	Possible values: <ul style="list-style-type: none"> • 0 - ansLocal • 1 - ansGlobal 	Specifies the ASN.1 numbering space for QSIG.
IncludeNFEIAPDU	No	No	Enum	1	Possible values: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 0 - btFalse • 1 - btTrue 	Controls how the redirecting number is set for Euro ISDN (ETSI). When enabled, redirect number is passed into Facility IE.
PortChannelCountFull	Yes	Yes	Enum	1	Possible values: <ul style="list-style-type: none"> • 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 for PRI signaling groups.
ApplyToChannelList	Yes	Yes	string	none	512 - Max Length	Apply to Channel List used to store the channel list from user. Comma separated values of type "card.port:channel" E.g. 1.1:1,1.1:2,1.1:3,... if Channels selected and NULL, if no channels are selected. Only applicable for PRI signaling groups.

DelayChannelClearing	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none"> 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 channel is kept open after receiving the DISCONNECT with PI=8.
ImmediateDisconnectOnCausecode	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none"> 0 - btFalse 1 - btTrue 	Specifies whether or no channel should be immediately disconnected on cause code received Disconnect Message.
CauseCodes	Yes	Yes	string	16	400 - Max Length	This is a comma separated string of the Q.850 cause codes listed in the Q.850 Cause Codes . Channel should be immediately disconnected if any one of these cause codes matches that received in the Disconnect Message.
TEIAssignment	No	Yes	int	-1	Possible values: <ul style="list-style-type: none"> -1 - Minimum 63 - Maximum 	Specifies the TEI to use TE/User side BRI. 0 through 63 are absolute values and -1 is automatic assignment. If signaling group is set for PRI or NT/Network side BRI then is not used.
SGType	Yes	Yes	Enum	0	Possible values: <ul style="list-style-type: none"> 0 - dstDS1 1 - dstBRI 2 - dstNone 	Specifies the type of ISL signaling group.
SendFacilityPassthrough	No	No	Enum	1	Possible values: <ul style="list-style-type: none"> 0 - btFalse 1 - btTrue 	Specifies if the Signaling Group should transmit a Facility message passed through from another ISL 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: <ul style="list-style-type: none"> 0 - apiNone 1 - apiNotEndToEnd 2 - apiDestISDN 3 - apiOrigISDN 4 - apiReturnISDN 5 - apiInterworking 6 - apiInbandInfo 7 - apiDelayEncountered 	Specifies if an outgoing SETUP message should have a Progress Indicator IE added to it with the configured value. Only adds the IE if one is not already present.

AddNetworkSpecificFacility	No	No	Enum	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - btFalse • 1 - btTrue 	Specifies if an outgoing SETUP message should have a Network Specific Facility IE added to it. C adds the IE if one is not already present. Only valid for ATT 4ESS and ATT 5ESS ISDN variants.
NSFIdentification	No	No	Enum	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - nidNone • 1 - nidUser • 2 - nidNational • 3 - nidInternational 	Sets the Network Specific Facility IE identification if the IE is not present but does not modify an existing IE. Only valid when AddNetworkSpecificFacility is Enabled.
NSFInformation	No	No	Enum	0	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - ninSDN • 1 - ninTollFree • 2 - ninMEGACOM • 3 - ninACCUNET • 4 - ninInternationalTollFree • 5 - ninMultiQuest • 6 - ninLongDistance • 7 - ninCallRedirection 	Sets the Network Specific Facility IE information if IE is not present but does not modify an existing IE. Only valid when AddNetworkSpecificFacility is Enabled.
EarlyMediaOnDestNotIsdn	No	No	Enum	1	<p>Possible values:</p> <ul style="list-style-type: none"> • 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	<p>Possible values:</p> <ul style="list-style-type: none"> • 0 - isdnSgLinkConnRlisd • 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_rxlCount	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	