



Cisco Call Detail Records Field Descriptions

This chapter defines all fields in the current CDRs in the order in which they appear in the CDR.

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CDR Field Descriptions

The following table describes all fields in the current CDRs in the order in which they appear.

Table 1: CDR Field Descriptions

Field Name	Range of Values	Description
cdrRecordType	0, 1, 2	<p>Defines the type of record. The following valid values apply:</p> <ul style="list-style-type: none"> • 0—Start call detail record (not used) • 1—End call detail record (CDR) • 2—CMR record <p>Default - For CDRs, this field always remains 1.</p>
globalCallID_callManagerId	Positive Integer	<p>Designates a unique Unified Communications Manager identity.</p> <p>The Global Call ID comprises two fields: globalCallID_callId globalCallID_callManagerId.</p> <p>All records that are associated with a standard call have the same Global Call ID in them.</p> <p>Default - Ensure that this field is populated.</p>

Field Name	Range of Values	Description
globalCallID_callId	Positive Integer	

Field Name	Range of Values	Description
		<p>Designates a unique call identity value that is assigned to each call. The system allocates this identifier independently on each call server. Values get chosen sequentially when a call begins. A value gets assigned for each call, successful or unsuccessful. When Unified Communications Manager restarts, it checks the file for the current globalCallID_callId number and assigns the next 1000th number to the next GlobalCallID_callId.</p> <p>The Global Call ID consists of two fields: globalCallID_callId globalCallID_callManagerId.</p> <p>All records that are associated with a standard call have the same Global Call ID in them.</p> <p>Note For Unified Communications Manager Release 5.x and later releases, the value in the GlobalCallId CDR field survives over Unified Communications Manager restarts. In Release 4.x and earlier releases, although the GlobalCallId field is time-based, the field gets reused under conditions of heavy traffic. Because of this behavior, problems can occur with customer billing applications and the ability of CAR to correlate CMRs with CDRs and to correlate conference call CDRs. For Release 5.x and later releases, GlobalCallId redesign ensures that the field retains a unique value, at least for a certain number of days.</p>

Field Name	Range of Values	Description
		<p>Now, the last used globalCallId_callId value gets written to disk periodically (for every x number of calls). The value gets retrieved after a Unified Communications Manager restart, and the new globalCallId_callId value begins with this number plus x.</p> <p>Default - Ensure that this field is populated.</p>
origLegCallIdentifier	Positive Integer	<p>Identifies the originating leg of a call. Be aware that this value is unique within a cluster. If the leg of a call persists across several subcalls and CDRs (as during a call transfer), this value remains constant.</p> <p>Default - Ensure that this field is populated.</p>
dateTimeOrigination	Integer	<p>Identifies the date and time when the user goes off the hook or the date and time that the H.323 SETUP message is received for an incoming call. The time gets stored as UTC.</p> <p>Default - Ensure that this field is populated.</p>
origNodeId	Positive Integer	<p>Identifies the server, or node within a cluster, to which the originator of the call is registered at the time that the call is made.</p> <p>Default - Ensure that this field is populated.</p>

Field Name	Range of Values	Description
origSpan	0, Positive Integer	<p>For calls that originate at a gateway, this field indicates the B-channel number of the T1, PRI, or BRI trunk where the call originates, or a zero value for FXS or FXO trunks.</p> <p>For H.323 gateways, the span number remains unknown, and this field contains the call leg ID of the originator.</p> <p>For calls that did not originate at a gateway, the value specifies zero.</p> <p>Default - This field gets populated based on these rules.</p>
origIpAddr	Integer	<p>Identifies the v4 IP address of the device that originates the call signaling.</p> <p>For Cisco Unified IP Phones, this field specifies the v4 address of the phone.</p> <p>For PSTN calls, this field specifies the v4address of the H.323 gateway.</p> <p>For intercluster calls, this field specifies the v4address of the remote Unified Communications Manager.</p> <p>Default - 0. If the v4 address does not exist for the originating device, this field equals 0. This field gets populated based on these rules.</p>

Field Name	Range of Values	Description
callingPartyNumber	Text String	<p>Specifies a numeric string of up to 25 characters that indicates the calling party number if the calling party is identified with a directory number.</p> <p>If the calling party uses a blended address in the identity headers, this field contains the directory number portion of the blended address.</p> <p>For calls that originate at a Cisco Unified IP Phone, this field shows the extension number of the line that is used.</p> <p>For incoming H.323 calls, this field specifies the value that is received in the Calling Party Number field in the Setup message. This field reflects any translations that are applied to the Calling Party Number before it arrives at the Unified Communications Manager (such as translations at the gateway).</p> <p>For the server calls, where Unified Communications Manager originates a half call without a calling party, this field may remain empty.</p> <p>CallingPartyNumber could contain a SIP URI.</p> <p>Default - This field gets populated based on these rules.</p>
callingPartyUnicodeLoginUserID	Unicode – UTF_8	<p>Specifies the calling party login user ID. The format of this field specifies UTF_8.</p> <p>Default - Empty string “”. If the user ID does not exist, this field stays empty.</p>

Field Name	Range of Values	Description
origCause_location	0 to 15	<p>Specifies the Location field that is indicated in the ISDN release message for clearing causes that are received over ISDN signaling links. See topics that are related to call termination cause codes for a list of the valid values per Q.850.</p> <p>For clearing causes that are created internally by the Unified Communications Manager, this value specifies zero.</p> <p>Default - 0</p>
origCause_value	0 to 129	<p>Reflects the reason for clearance for the calls that are cleared by the originating party.</p> <p>Unified Communications Manager currently uses the Q.850 codes and some Unified Communications Manager defined codes. See topics that are related to call termination cause codes for a listing.</p> <p>For calls that are cleared by the terminating party, this field specifies zero.</p> <p>In addition to the standard values that are described in Q.850, when a call is split by a feature (transfer or conference), the CDR terminates, and this field gets set to 393216. This represents a proprietary value for this field.</p> <p>Default - 0</p>

Field Name	Range of Values	Description
origPrecedenceLevel	0 to 4	<p>Represents the precedence level of the original leg. For MLPP, each call leg includes a precedence level.</p> <ul style="list-style-type: none"> • Precedence 0 = FLASH OVERRIDE/ EXECUTIVE OVERRIDE • Precedence 1 = FLASH • Precedence 2 = IMMEDIATE • Precedence 3 = PRIORITY • Precedence 4 = ROUTINE <p>Default - 4</p>
origMediaTransportAddress_IP	0, Integer	<p>Identifies the v4 IP address of the device that originates the media for the call.</p> <p>For Cisco Unified IP Phones, this field specifies the v4 address of the phone.</p> <p>For PSTN calls, this field specifies the v4address of the H.323 gateway.</p> <p>For intercluster calls, this field specifies the v4address of the remote phone.</p> <p>Default - 0. If media is not established or the address is not v4, this field equals 0.</p>
origMediaTransportAddress_Port	0, Positive Integer	<p>Identifies the IP port number that is associated with the OrigMediaTransportAddress_IP field.</p> <p>Default - 0. If media is not established, this field stays 0.</p>

Field Name	Range of Values	Description
origMediaCap_payloadCapability	0, Positive Integer	Identifies the codec type that the originator uses to transmit media. Unified Communications Manager currently uses the following payload capability values: 0, 1-16, 18-20, 25, 32, 33, 81-86. See topics related to codec types for a listing of the valid values. Default - 0. If media is not established, this field stays 0.
origMediaCap_maxFramesPerPacket	0, Positive Integer	Identifies the number of milliseconds of data per packet that the originating party sends. This field normally gets set to 10, 20, or 30 for G.729 or G.711 codecs, but the field can store any nonzero value. Default - 0. If media is not established, this field stays 0.
origMediaCap_g723BitRate	0	This field is not used in the current release of Unified Communications Manager. Default - This field will remain 0.
origVideoCap_Codec	0, 100 = H.261, 101 = H.263, 103 = H.264	Identifies the codec type that the originator uses to transmit video (H.261, H.263, or H.264.) Default - 0. If media is not established, this field stays 0.
origVideoCap_Bandwidth	0, Positive Integer	Identifies the bandwidth that is measured in units of kbps. Default - 0. If media is not established, this field stays 0.

Field Name	Range of Values	Description
origVideoCap_Resolution	0, 1 = SQCIF, 2 = QCIF, 3 = CIF, 4 = CIF4, 5 = CIF16 6 = H263 custom resolution 7 = W360P 8 = VGA 9 = W448P 10 = HD720P 11 = HD1080P 12 = CIF2	Indicates the transmitting resolution. In the case of H.264 codec or SIP device, this field refers to the max transmitting resolution the device can transmit for this call. Default - 0. If media is not established, this field stays 0.
origVideoTransportAddress_IP	0, Integer	Identifies the v4 IP address of the device that originates the call. Default - 0. If media is not established or the address is not v4, this field stays 0.
origVideoTransportAddress_Port	0, Positive Integer	Identifies the video RTP port that is associated with the origVideoTransportAddress_IP field. Default - 0. If media is not established, this field stays 0.

Field Name	Range of Values	Description
origRSVPAudioStat	0 to 5	<p>Provides the status of the RSVP audio reservation from originator to terminator.</p> <p>0 – No reservation.</p> <p>1 – RSVP Reservation Failure condition at call setup or feature invocation.</p> <p>2 – RSVP Reservation Success condition at the call setup or feature invocation.</p> <p>3 – RSVP Reservation No Response (RSVP Agent) condition at the call setup or feature invocation.</p> <p>4 – RSVP Mid Call Failure Preempted condition (preempted after the call setup).</p> <p>5 – RSVP Mid Call Failure Lost Bandwidth condition (includes all mid-call failures except MLPP preemption).</p> <p>Default – 0</p>

Field Name	Range of Values	Description
origRSVPVideoStat	0 to 5	<p>Provides the status of the RSVP video reservation from originator to terminator.</p> <p>0 – No reservation.</p> <p>1 – RSVP Reservation Failure condition at call setup or feature invocation.</p> <p>2 – RSVP Reservation Success condition at call setup or feature invocation.</p> <p>3 – RSVP Reservation No Response (RSVP Agent) condition at call setup or feature invocation.</p> <p>4 – RSVP MID Call Failure Preempted condition (preempted after call setup).</p> <p>5 – RSVP MID Call Failure Lost Bandwidth condition (includes all mid-call failures except MLPP preemption).</p> <p>Default – 0</p>
destLegCallIdentifier	0, Positive Integer	<p>Identifies the terminating leg of a call. This value remains unique within a cluster. If the leg of a call persists across several sub-calls and, consequently, several CDRs (as during a call transfer), this value remains constant.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destNodeId	0, Positive Integer	<p>Identifies the location, or node within a cluster, to which the terminating party of the call is registered at the time that the call is made.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>

Field Name	Range of Values	Description
destSpan	0, Positive integer	<p>For calls that are received at a gateway, this field indicates the B channel number of the T1, PRI, or BRI trunk where the call is received, or a zero value for FXS or FXO trunks.</p> <p>For H.323 gateways, the span number remains unknown, and this field contains the call leg ID of the destination.</p> <p>For calls not terminating at a gateway, the value specifies zero.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destIpAddr	0, Integer	<p>Identifies the v4 IP address of the device that terminates the call signaling.</p> <p>For Cisco Unified IP Phones, this field specifies the v4 address of the phone.</p> <p>For PSTN calls, this field specifies the v4address of the H.323 gateway.</p> <p>For intercluster calls, this field specifies the v4address of the remote Unified Communications Manager.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0. If the v4 address does not exist for this device, the field equals 0.</p>

Field Name	Range of Values	Description
originalCalledPartyNumber	Text String	<p>Specifies the number to which the original call was presented, prior to any call forwarding. If translation rules are configured, this number reflects the called number after the translations have been applied.</p> <p>If a blended address is used for the called party, this field specifies the directory number portion of the blended address.</p> <p>This field represents a numeric string of up to 48 characters that can be either digits or a SIP URL.</p> <p>Default - Empty string "". If destination cannot be reached, or if the called party number is a directory URI, this field stays empty.</p>
finalCalledPartyNumber	Text String	<p>Specifies the phone number to which the call finally gets presented, until it is answered or rings out. If no forwarding occurs, this number shows the same number as the originalCalledPartyNumber.</p> <p>If the call finally gets presented to a directory URI, the field remains empty.</p> <p>If a blended address is used, this field specifies the directory number portion of the blended address.</p> <p>For calls to a conference bridge, this field contains the actual identifier of the conference bridge, which is an alphanumeric string (for example, b0019901001).</p> <p>This field represents an alphanumeric string that can be either digits or a SIP URL.</p> <p>Default - Empty string "". If destination cannot be reached, this field stays empty.</p>

Field Name	Range of Values	Description
finalCalledPartyUnicodeLoginUserID	Unicode – UTF_8	<p>Specifies the login user ID. The format of this field specifies UTF_8.</p> <p>Default - Empty string “”. If the user ID does not exist, this field stays empty.</p>
destCause_location	0 to 15	<p>For clearing causes that are received over ISDN signaling links, the ISDN release message indicates this location field. See topics that are related to call termination cause codes for a listing of the valid values per Q.850.</p> <p>For clearing causes that Unified Communications Manager creates internally, this value equals zero.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destCause_value	0 to 129	<p>Reflects the reason for the calls that the destination party cleared. See topics that are related to call termination cause codes for a listing of the valid values per Q.850.</p> <p>For calls that the originating party clears, this field stays zero.</p> <p>In addition to the standard values that are described in Q.850, when a call gets split by a feature (transfer or conference), the CDR terminates, and this field gets set to 393216. This represents a proprietary value for this field.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>

Field Name	Range of Values	Description
destPrecedenceLevel	0 to 4	<p>Represents the destination legs precedence level. For MLPP, each call leg has a precedence level.</p> <ul style="list-style-type: none"> • Precedence 0 = FLASH OVERRIDE • Precedence 1 = FLASH • Precedence 2 = IMMEDIATE • Precedence 3 = PRIORITY • Precedence 4 = ROUTINE <p>Default - 4</p>
destMediaTransportAddress_IP	0, Integer	<p>Identifies the v4 IP address of the device that terminates the media for the call.</p> <p>For Cisco Unified IP Phones, this field designates the v4 address of the phone.</p> <p>For PSTN calls, this field designates the v4address of the H.323 gateway.</p> <p>For intercluster calls, this field shows the v4address of the remote phone.</p> <p>Default - 0. If the destination cannot be reached or the IP address of the destination is not v4, this field stays 0.</p>
destMediaTransportAddress_Port	0, Positive Integer	<p>Identifies the IP port number that is associated with the DestMediaTransportAddress_IP field.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>

Field Name	Range of Values	Description
destMediaCap_payloadCapability	0, Positive Integer	<p>Identifies the codec type that the terminating party uses to transmit media.</p> <p>Unified Communications Manager currently uses the following payload capability values: 0, 1-16, 18-20, 25, 32, 33, 81-86. See topics related to codec types for a listing of the valid values.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destMediaCap_maxFramesPerPacket	0, Positive Integer	<p>Identifies the number of milliseconds of data per packet that the terminating party of the call sends. This field normally gets set to 10, 20, or 30 for G.729 or G.711 codecs but can store any nonzero value.</p> <p>This field can specify zero if the media is never established.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destMediaCap_g723BitRate	0	<p>This field is not used in the current release of Unified Communications Manager.</p> <p>Default - This field stays 0.</p>
destVideoCap_Codec	0, 100 = H.261, 101 = H.263, 103 = H.264	<p>Identifies the codec type that the terminating party uses to transmit video (H.261, H.263, or H.264).</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>
destVideoCap_Bandwidth	0, Positive Integer	<p>Identifies the bandwidth, and is measured in units of kbps.</p> <p>Default - 0. If the destination cannot be reached, this field stays 0.</p>

Field Name	Range of Values	Description
destVideoCap_Resolution	0, 1 = SQCIF, 2 = QCIF, 3 = CIF, 4 = CIF4, 5 = CIF16 6 = H263 custom resolution 7 = W360P 8 = VGA 9 = W448P 10 = HD720P 11 = HD1080P 12 = CIF2	Indicates the transmitting resolution. In the case of H.264 codec or SIP device, this field refers to the max transmitting resolution the device can transmit for this call. Default - 0. If media is not established, this field stays 0.
destVideoTransportAddress_IP	0, Integer	Identifies the v4 IP address of the device that receives the call. Default - 0. If the destination cannot be reached or the IP address of the destination is not v4, this field stays 0.
destVideoTransportAddress_Port	0, Positive Integer	Identifies the video RTP port that is associated with the destVideoTransportAddress_IP field. Default - 0. If the destination cannot be reached, this field stays 0.

Field Name	Range of Values	Description
destRSVPAudioStat	0 - 5	<p>Designates the status of the RSVP audio reservation from terminator to originator.</p> <p>0 – No reservation.</p> <p>1 – RSVP Reservation Failure condition at the call setup or feature invocation.</p> <p>2 – RSVP Reservation Success condition at call setup or feature invocation.</p> <p>3 – RSVP Reservation No Response (RSVP Agent) condition at call setup or feature invocation.</p> <p>4 – RSVP Mid Call Failure Preempted condition (preempted after call setup).</p> <p>5 – RSVP Mid Call Failure Lost Bandwidth condition (includes all mid call failures except MLPP preemption).</p> <p>Default – 0</p>

Field Name	Range of Values	Description
destRSVPVideoStat	0 - 5	<p>Designates the status of the RSVP video reservation from terminator to originator.</p> <p>0 – No reservation.</p> <p>1 – RSVP Reservation Failure condition at call setup or feature invocation.</p> <p>2 – RSVP Reservation Success condition at call setup or feature invocation.</p> <p>3 – RSVP Reservation No Response (RSVP Agent) condition at call setup or feature invocation.</p> <p>4 – RSVP Mid Call Failure Preempted condition (preempted after call setup).</p> <p>5 – RSVP Mid Call Failure Lost Bandwidth condition (includes all mid call failures except MLPP preemption).</p> <p>Default – 0</p>
dateTimeConnect	0, Integer	<p>Identifies the date and time that the call connects. The time gets stored as UTC. If the call is never answered, this value shows zero.</p> <p>Default - 0. If the call is never connected, this field stays 0.</p>
dateTimeDisconnect	Integer	<p>Identifies the date and time when the call is cleared. This field gets set even if the call never connects. The time gets stored as UTC.</p> <p>Default - Ensure that this field is populated.</p>

Field Name	Range of Values	Description
lastRedirectDn	Text String	<p>Specifies a numeric string of up to 25 characters. The numeric string can contain digits or a SIP URL.</p> <p>For forwarded calls, this field specifies the phone number of the next to last hop before the call reaches its final destination. If only one hop occurs, this number matches the OriginalCalledPartyNumber.</p> <p>If a blended address is used for call addressing, this field contains only the directory number portion of the blended address.</p> <p>For calls that are not forwarded, this field matches the OriginalCalledPartyNumber and the FinalCalledPartyNumber.</p> <p>For calls to a conference bridge, this field contains the actual identifier of the conference bridge, which is an alphanumeric string (for example, b0019901001).</p> <p>Default - Empty string "". If the call is never redirected, or if the next to last hop address is a directory URI, this field remains empty.</p>
pkid	Text String	<p>Identifies a text string that the database uses internally to uniquely identify each row. This text string provides no meaning to the call itself.</p> <p>Default - A unique ID should always populate this field.</p>

Field Name	Range of Values	Description
originalCalledPartyNumberPartition	Text String	<p>Identifies unique partition name that is associated with the OriginalCalledPartyNumber field because Unified Communications Manager supports multiple Cisco Unified IP Phones with the same extension number in different partitions.</p> <p>For calls that egress through an H.323 gateway, this field uniquely specifies the partition name that is associated with the route pattern that points to the gateway.</p> <p>Default - Empty string "". If the original called party does not have a partition, this field remains empty.</p>
callingPartyNumberPartition	Text String	<p>Identifies unique partition name that is associated with the CallingPartyNumber field because Unified Communications Manager supports multiple Cisco Unified IP Phones with the same extension number in different partitions.</p> <p>For calls that ingress through an H.323 gateway, this field remains blank.</p> <p>Default - Empty string "". If the original called party does not have a partition, this field remains empty.</p>

Field Name	Range of Values	Description
finalCalledPartyNumberPartition	Text String	<p>Identifies unique partition name that is associated with the FinalCalledPartyNumber field because Unified Communications Manager supports multiple Cisco Unified IP Phones with the same extension number in different partitions.</p> <p>For calls that egress through an H.323 gateway, this field uniquely specifies the partition name that is associated with the route pattern that points to the gateway.</p> <p>Default - Empty string "". If the final called party does not have a partition, this field remains empty.</p>
lastRedirectDnPartition	Text String	<p>Identifies unique partition name that is associated with the LastRedirectDn field because Unified Communications Manager supports multiple Cisco Unified IP Phones with the same extension number in different partitions.</p> <p>For calls that egress through an H.323 gateway, this field specifies the partition name that is associated with the route pattern that points to the gateway.</p> <p>Default - Empty string "". If the last redirecting Party does not have a partition or the call was never redirected, this field stays empty.</p>
duration	0, Positive integer	<p>Identifies the difference between the Connect Time and Disconnect Time. This field specifies the time that the call remains connected, in seconds. This field remains zero if the call never connects or if it connects for less than 1 second.</p> <p>Default - 0</p>

Field Name	Range of Values	Description
origDeviceName	Text String	Specifies the text string that identifies the name of the originating device. Default - Ensure that this field is populated.
destDeviceName	Text String	Specifies the text string that identifies the name of the destination device. Default - Empty string"". If the original device does not have a name, this field stays empty.
origCallTerminationOnBehalfOf	0, Positive Integer	Specifies code that identifies why the originator was terminated. For example, if the originator of the call hangs up the phone, the OnBehalfOf code shows "12" for Device. If the call terminates because of a transfer, the OnBehalfOf code shows "10" for Transfer. See topics related to CDR field descriptions for a list of the codes. This release added new OnBehalfOf codes. Default - 0
destCallTerminationOnBehalfOf	0, Positive Integer	Specifies code that identifies why the destination was terminated. For example, if the destination of the call hangs up the phone, the OnBehalfOf code shows "12" for Device. If the call terminates because of a transfer, the OnBehalfOf code shows "10" for Transfer. See topics related to CDR field descriptions for a list of the codes. This release added new OnBehalfOf codes. Default - 0

Field Name	Range of Values	Description
origCalledPartyRedirectOnBehalfOf	0, Positive Integer	<p>Specifies code that identifies the reason for redirection of the original called party.</p> <p>For example, if the original called party was redirected because of a conference, the OnBehalfOf code specifies "4."</p> <p>See topics related to CDR field descriptions for a list of the codes. This release added new OnBehalfOf codes.</p> <p>Default - 0</p>
lastRedirectRedirectOnBehalfOf	0, Integer	<p>Specifies code that identifies the reason for redirection of the last redirected party.</p> <p>For example, if the last redirected party was redirected on behalf of a conference, the OnBehalfOf code specifies "4."</p> <p>See topics related to CDR field descriptions for a list of the codes. This release added new OnBehalfOf codes.</p> <p>Default - 0</p>
origCalledPartyRedirectReason	0, Integer	<p>Identifies the reason for a redirect of the original called party.</p> <p>See topics related to redirect reason codes for a complete list of the codes.</p> <p>Default - 0</p>
lastRedirectRedirectReason	0, Integer	<p>Identifies the last redirect reason for redirection.</p> <p>See topics related to redirect reason codes for a complete list of the codes.</p> <p>Default - 0</p>

Field Name	Range of Values	Description
destConversationID	0, Integer	<p>Specifies a unique identifier that is used to identify the parties of a conference call.</p> <p>For conference chaining scenarios, the origConversationID and destConversationID fields identify which conferences are chained together.</p> <p>Default - 0</p>
globalCallId_ClusterId	Text String	<p>Specifies a unique ID that identifies a cluster of Unified Communications Managers.</p> <p>The field is generated at installation and is not used by Unified Communications Manager. The fields globalCallId_ClusterId + globalCallId_CMId + globalCallId_CallId make up this unique key.</p> <p>Default - This field should always be populated.</p>
joinOnBehalfOf	0, Integer	<p>Specifies code that identifies the reason for a join.</p> <p>For example, if the join takes place on behalf of a transfer, the OnBehalfOf code specifies "10."</p> <p>See topics related to CDR field descriptions for a list of the codes.</p> <p>Default - 0</p>
comment	Text String	<p>Allows features to add text to the CDRs. This text can describe details about the call.</p> <p>For example, the following field flags malicious calls:</p> <p>Tag—CallFlag Value—MALICIOUS</p> <p>Default - Empty string "".</p>
authCodeDescription	Text String	<p>Provides a description of the FAC.</p> <p>Default - Empty string "" or null.</p>

Field Name	Range of Values	Description
authorizationLevel	0, Integer	Displays the level of the FAC. Default - 0
clientMatterCode	Text String	Displays the client matter code. Before the system extends a call, the user enters a client matter code that can be used for assigning account or billing codes to calls. Default - Empty string "" or null.
origDTMFMethod	0, Positive Integer	Displays the DTMF method that the originator uses. 0 - No DTMF - Use ANY matched DTMF. 1 - OOB - Use OOB if endpoints behind SIPTrunk support it. 2 - 2833 - Use RFC2833 if endpoints behind SIPTrunk support it. 3 - OOB and 2833 - Use both KPML and RFC2833 if endpoints behind SIPTrunk can support both. 4 - Unknown Default - 0 (No preference)
destDTMFMethod	0, Positive Integer	Displays the DTMF method that the destination uses. 0 - No DTMF - Use ANY matched DTMF. 1 - OOB - Use OOB if endpoints behind SIPTrunk support it. 2 - 2833 - Use RFC2833 if endpoints behind SIPTrunk support it. 3 - OOB and 2833 - Use both KPML and RFC2833 if endpoints behind SIPTrunk can support both. 4 - Unknown. Default - 0 (No preference)

Field Name	Range of Values	Description
callSecuredStatus	0, Positive Integer	<p>Displays the highest security status that is reached during a call. For example, if the call is originally unsecured, and later the call changes to secured, the CDR contains 1 for “Secured” even though different portions of the call have different status values.</p> <p>0 - Non-secured 1 - Authenticated (not encrypted) 2 - Secured (encrypted) Default - 0 (Non-secured)</p>
origConversationID	Integer	<p>Identifies the conference ID that is associated with the originating leg of the call. In most cases, this field equals 0.</p> <p>For conference chaining scenarios, the origConversationID and destConversationID fields identify which conferences are chained together.</p> <p>Default - 0</p>
origMediaCap_Bandwidth	0, Positive Integer	<p>Displays the media bandwidth that is used at the origination of the call.</p> <p>Default - 0</p>
destMediaCap_Bandwidth	0, Positive Integer	<p>Displays the media bandwidth that is used at the destination of the call.</p> <p>Default - 0</p>
authorizationCodeValue	Text String	<p>Displays the Forced Authorization Code (FAC) that is associated with the call.</p> <p>Default - Empty string “” or null.</p>
outpulsedCallingPartyNumber	Text String	<p>Comprises an alphanumeric string of up to 50 characters.</p> <p>The calling party number gets outpulsed from the device. This field gets populated only when normalization or localization takes place at the device.</p> <p>Default - Empty string “” or null.</p>

Field Name	Range of Values	Description
outpulsedCalledPartyNumber	Text String	<p>Comprises an alphanumeric string of up to 50 characters.</p> <p>The called party number gets outpulsed from the device. This field gets populated only when normalization or localization takes place at the device.</p> <p>Default - Empty string "" or null.</p>
origIpv4v6Addr	Text string	<p>Comprises an alphanumeric string of up to 64 characters.</p> <p>This field identifies the IP address of the device that originates the call signalling. The field can be either IPv4 or IPv6 format depending on the type of IP address that gets used for the call.</p> <p>For Cisco Unified IP Phones, this field is the address of the Cisco Unified IP Phone. For PSTN calls, this field is the address of the gateway. For intercluster calls, this field is the address of the remote Unified Communications Manager.</p> <p>The IP address is either in dotted decimal format or in colon separated hexadecimal format.</p> <p>Default - The IP address of the originating device as reported by the device or used for the call after media negotiation.</p>

Field Name	Range of Values	Description
destIpv4v6Addr	Text string	<p>Comprises an alphanumeric string of up to 64 characters.</p> <p>This field identifies the IP address of the device that terminates the call signalling. The field can be either in IPv4 or IPv6 format depending upon the type of IP address that gets used for the call.</p> <p>For Cisco Unified IP Phones, this field is the address of the Cisco Unified IP Phone. For PSTN calls, this field is the address of the gateway. For intercluster calls, this field is the address of the remote Unified Communications Manager.</p> <p>The IP address is either in dotted decimal format or in colon separated hexadecimal format.</p> <p>Default - Empty String "" or null. If the destination does not get reached, this field stays empty.</p>
origVideoCap_Codec_Channel2	0, 100 = H.261, 101 = H.263, 103 = H.264,	<p>Identifies the codec type that the originator uses to transmit video (H.261, H.263, or H.264) for the second video channel.</p> <p>Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.</p>
origVideoCap_Bandwidth_Channel2	0, Positive integer	<p>Identifies the bandwidth measured in units of kbps for the second video channel.</p> <p>Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.</p>

Field Name	Range of Values	Description
origVideoCap_Resolution_Channel2	0, 1 = SQCIF, 2 = QCIF, 3 = CIF, 4 = CIF4, 5 = CIF16 6 = H263 custom resolution 7 = W360P 8 = VGA 9 = W448P 10 = HD720P 11 = HD1080P 12 = CIF2	Indicates the transmitting resolution for the second video channel. In the case of H.264 codec or SIP device, this field refers to the maximum transmitting resolution the device can transmit for this call. Default - 0. If media is not established, this field stays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
origVideoTransportAddress_IP_Channel2	0, Integer	Identifies the v4 IP address of the device that originates the call for the second video channel. Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
origVideoTransportAddress_Port_Channel2	0, Positive integer	Identifies the video RTP port associated with the origH239VideoTransportAddress_IP field for the second video channel. Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
origVideoChannel_Role_Channel2	0 = Presentation role, 1 = Live role, Positive integer	Identifies the H.239 video channel role of the device that originates. Default - 0. If media does not get established, this field displays 0. Also, if H.239 is not supported, this field displays 0.

Field Name	Range of Values	Description
destVideoCap_Codec_Channel2	0, 100 = H.261, 101 = H.263, 103 = H.264	Identifies the codec type that the terminating party uses to transmit video (H.261, H.263, or H.264) for the second video channel. Default - 0. If the destination cannot be reached, this field stays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
destVideoCap_Bandwidth_Channel2	0, Positive integer	Identifies the bandwidth measured in units of kbps for the second video channel. Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
destVideoCap_Resolution_Channel2	0, 1 = SQCIF, 2 = QCIF, 3 = CIF, 4 = CIF4, 5 = CIF16 6 = H263 custom resolution 7 = W360P 8 = VGA 9 = W448P 10 = HD720P 11 = HD1080P 12 = CIF2	Indicates the transmitting resolution for the second video channel. In the case of H.264 codec or SIP device, this field refers to the maximum transmitting resolution the device can transmit for this call. Default - 0. If media is not established, this field stays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
destVideoTransportAddress_IP_Channel2	0, Integer	Identifies the v4 IP address of the device that receives the call. Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.

Field Name	Range of Values	Description
destVideoTransportAddress_Port_Channel2	0, Positive integer	Identifies the video RTP port associated with the destH239VideoTransportAddress_IP field. Default - 0. If media does not get established, this field displays 0. Also, if H.239 and BFCP are not supported for this call, this field displays 0.
destVideoChannel_Role_Channel2	0 = Presentation role, 1 = Live role, Positive integer	Identifies the H.239 video channel role of the device that receives the call. Default - 0. If media does not get established, this field displays 0. Also, if H.239 is not supported, this field displays 0.
incomingProtocolID	0 = Unknown, 1 = SIP, 2 = H323, 3 = CTI/JTAPI, 4 = Q931, Integer	Identifies the protocol (SIP, H.323, CTI/JTAPI, or Q.931) used between Cisco Unified CM and the upstream voice product in the call path.
incomingProtocolCallRef	Varchar(32)	Identifies the globally unique call reference identification for the protocol. The value is received from the upstream voice product. The value is alpha-numeric and truncated to 32 characters.
outgoingProtocolID	0 = Unknown, 1 = SIP, 2 = H323, 3 = CTI/JTAPI, 4 = Q931, Integer	Identifies the protocol (SIP, H.323, CTI/JTAPI, or Q.931) used between Cisco Unified CM and the downstream voice product in the call path.

Field Name	Range of Values	Description
outgoingProtocolCallRef	Varchar(32)	Identifies the globally unique call reference identification for the protocol. The value is passed to the next downstream voiced product. The value is alpha-numeric and truncated to 32 characters.
currentRoutingReason	Positive Integer	Displays the reason why the call was intercepted for the active call. This field is used with the external call control feature. See topics related to routing reason values for external call control for a list of reasons. Default value is 0.
origRoutingReason	Positive Integer	Displays the reason why the call was intercepted for the first time. This field is used with the external call control feature, See topics related to routing reason values for external call control for a list of reasons. Default value is 0.
lastRedirectingRoutingReason	Positive Integer	Displays why the call was intercepted for the last time. This field is used with the external call control feature. See topics related to routing reason values for external call control for a list of reasons. Default - Empty string.
huntPilotPartition	Text String	Indicates the partition for the hunt pilot DN. Default - Empty string.
huntPilotDN	Text String	Indicates the hunt pilot DN through which the call is routed. Default - Empty string.

Field Name	Range of Values	Description
calledPartyPatternUsage	Positive Integer	

Field Name	Range of Values	Description
		<p>Indicates the pattern of the called party.</p> <p>Default value specifies 5 (PATTERN_ROUTE).</p> <ul style="list-style-type: none"> • If the huntPilotDN is populated, use the huntPilotDN field value as the hunt pilot. • If the huntPilotDN is not available, check the pattern usage (7 =PATTERN_HUNT_PILOT) in the CDR table to identify the call type. If this call is a hunt list call, use the finalCalledPartyNumber as the huntPilotDN. <p>Possible value for the fields:</p> <ul style="list-style-type: none"> • 0 CallPark PATTERN_CALL_PARK • 1 Conference PATTERN_CONF • 2 Device PATTERN_DEVICE • 3 Translation PATTERN_TRANSLATION • 4 Call Pick Up Group PATTERN_CALL_PICK_UP_GROUP • 5 Route PATTERN_ROUTE • 6 Message Waiting PATTERN_MESSAGE_WAITING • 7 Hunt Pilot PATTERN_HUNT_PILOT • 8 Voice Mail Port PATTERN_VOICE_MAIL_PORT • 9 Domain Routing PATTERN_ROUTE_DOMAIN • 10 IPAddress Routing PATTERN_ROUTE_IPNET

Field Name	Range of Values	Description
		<ul style="list-style-type: none"> • 11 Device template PATTERN_DEVICE_TEMPLATE • 12 Directed Call Park PATTERN_DIRECTED_CALL_PARK • 13 Device Intercom PATTERN_DEVICE_INTERCOM • 14 Translation Intercom PATTERN_TRANSLATION_INTERCOM • 15 Translation Calling Party Number PATTERN_TRANSLATION_CALLING_PARTY_NUMBER • 16 Mobility Handoff PATTERN_MOBILITY_HANDOFF • 17 Mobility DTMF PATTERN_MOBILITY_DTMF • 18 Mobility IVR PATTERN_MOBILITY_IVR • 19 Device Intercom Template PATTERN_DEVICE_INTERCOM_TEMPLATE
incomingICID	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the IMS Identifier(ICID) from the P-Charging Vector at the incoming call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>

Field Name	Range of Values	Description
incomingOrigIOI	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the originating Interoperator Identifier(IOI) from the P-Charging Vector at the incoming call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>
incomingTermIOI	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the terminating Interoperator Identifier(IOI) from the P-Charging Vector at the incoming call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>
outgoingICID	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the IMS Identifier(ICID) from the P-Charging Vector at the outgoing call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>

Field Name	Range of Values	Description
outgoingOrigIOI	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the originating Interoperator Identifier(IOI) from the P-Charging Vector at the outgoing call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>
outgoingTermIOI	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>This field is populated with the terminating Interoperator Identifier(IOI) from the P-Charging Vector at the outgoing call leg of the call.</p> <p>This field will be empty when the call leg has no IMS or SIP trunk with P-Charging-Vector enabled.</p> <p>Default = Empty String " "</p>
outpulsedOriginalCalledPartyNumber	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>The Original called party number outpulsed from the device. Refer to section on Redirecting Number Transformation for details.</p> <p>Default = Empty String " "</p>
outpulsedLastRedirectingNumber	Text String	<p>Specifies alphanumeric string up to 50 characters.</p> <p>The Last Redirecting number outpulsed from the device. Refer to section on Redirecting Number Transformation for details.</p> <p>Default = Empty String " "</p>
wasCallQueued	Positive Integer	<p>Specifies whether the call has been put into a queue or not. A value of 0 means that the call is not put into any queue; 1 means the call has been put into a queue.</p>

Field Name	Range of Values	Description
totalWaitTimeInQueue	Positive Integer	Specifies how long a caller has been put into a queue. The value is specified in second. The value is 0 if the call is never put into any queue.
callingPartyNumber_uri	Text String	<p>Specifies an alphanumeric string of up to 254 characters that identifies the calling party if the calling party uses a directory URI for call addressing.</p> <p>If the calling party uses a blended address in the identity headers, this field contains the directory URI portion of the blended address.</p> <p>Default - Empty string "". If the calling party does not use a directory URI, the field stays empty.</p>
originalCalledPartyNumber_uri	Text String	<p>Specifies a string of up to 254 alphanumeric characters that specifies the directory URI to which the original call was addressed, prior to any call forwarding, provided the call was addressed to a directory URI.</p> <p>If a blended address is used for the called party, this field specifies the directory URI portion of the blended address.</p> <p>Default - Empty string "". If destination cannot be reached, or if the called party is a directory number, this field stays empty.</p>

Field Name	Range of Values	Description
finalCalledPartyNumber_uri	Text String	<p>Specifies an alphanumeric string of up to 254 characters that indicate the directory URI address to which the call finally gets presented, if the final address is a directory URI. If no forwarding occurs, this field shows the same directory URI as the originalCalledPartyNumber_uri field.</p> <p>If a blended address is used for the called number, this field specifies the directory URI portion of the blended address.</p> <p>For calls to a conference bridge, this field contains the actual identifier of the conference bridge, which is an alphanumeric string (for example, b0019901001).</p> <p>Default - Empty string "". If destination cannot be reached, or if a directory number is used for called addressing, this field stays empty.</p>

Field Name	Range of Values	Description
lastRedirectDn_uri	Text String	<p>Specifies an alphanumeric string of up to 254 characters.</p> <p>For forwarded calls that use a directory URI for addressing, this field specifies the directory URI of the next to last hop before the call reaches its final destination. If only one hop occurs, this number matches the originalCalledPartyNumber_uri.</p> <p>If a blended address is used, this field contains only the directory URI portion of the blended address.</p> <p>For calls that are not forwarded, this field matches the originalCalledPartyNumber_uri and the finalCalledPartyNumber_uri.</p> <p>For calls to a conference bridge, this field contains the actual identifier of the conference bridge, which is an alphanumeric string (for example, b0019901001).</p> <p>Default - Empty string "". If the call is never redirected, or if the address is a directory number, this field remains empty.</p>
mobileCallingPartyNumber	Text string	<p>Specifies the mobile cellular number if the original calling device is a mobile device.</p> <p>If the original calling device is not a mobile device, this field remains empty.</p> <p>Default - Empty string</p>
finalMobileCalledPartyNumber	Text string	<p>Specifies the mobile called party if the final called device is a mobile device.</p> <p>If the final called device is not a mobile device, this field remains empty.</p> <p>Default - Empty string</p>

Field Name	Range of Values	Description
origMobileDeviceName	Text string	<p>Specifies the device name of the calling party if the call is placed from a mobile device.</p> <p>If the mobile call uses a remote destination profile, the device name is the mobile number and remote destination profile name. For example, mobileNumber: RDP-name.</p> <p>If the mobile device uses a mobile identity, the device name is the mobile identity name.</p> <p>If the original device is not a mobile device, this field remains empty.</p> <p>Default - Empty string</p>
destMobileDeviceName	Text string	<p>Specifies the name of the destination mobile device.</p> <p>If the mobile device uses a remote destination profile the device name is the mobile number and remote destination profile name. For example, mobileNumber: RDP-name.</p> <p>If the mobile device uses a mobile identity, the device name is the mobile identity name.</p> <p>If the destination device is not a mobile device, this field remains empty.</p> <p>Default - Empty string</p>
origMobileCallDuration	Positive integer	<p>Specifies the call duration in the mobile network of the originating device if the calling party is a mobile device.</p> <p>If the calling party is not a mobile device, this field remains empty.</p> <p>Default - 0</p>

Field Name	Range of Values	Description
destMobileCallDuration	Positive integer	<p>Specifies the call duration in the mobile network for the destination device if the destination device is a mobile device.</p> <p>If the destination device is not a mobile device, this field remains empty.</p> <p>Default - 0</p>
mobileCallType	Positive integer	<p>Specifies the mobility feature that is invoked for this mobile call.</p> <p>Default - 0</p>
originalCalledPartyPattern	Text String	<p>Specifies numeric string (with special characters) up to 50 characters.</p> <p>This is the pattern to which the original call was placed before any configured translation is applied.</p> <p>Calls to Translation Pattern will always populate the pattern after applying the configured transformation on the translation pattern.</p> <p>Default—empty string “”.</p>
finalCalledPartyPattern	Text String	<p>Specifies numeric string (with special characters) string up to 50 characters.</p> <p>The pattern of the final called party to which the call is presented until that call is answered or ringing has ended. If no forwarding occurred, this pattern is the same as originalCalledPartyPattern. This field indicates the pattern before any configured translation rules are applied.</p> <p>This value is the same as the finalCalledPartyNumber if the number is a direct match without any translation</p> <p>Default—empty string “”.</p>

Field Name	Range of Values	Description
lastRedirectingPartyPattern	Text String	<p>Specifies numeric string (with special characters) string up to 50 characters.</p> <p>The pattern of the last party which redirected the call to the current called party. If there is no redirection, the field has the same value as the originalCalledPartyPattern.</p> <p>Default—empty string "".</p>
huntPilotPattern	Text String	<p>Specifies numeric string (with special characters) string up to 50 characters.</p> <p>The huntPilot pattern as configured in the database. This field is populated only when the HuntPilot member answers the call which is placed either directly or due to redirection to the huntPilot.</p> <p>Default - empty string "". If no huntPilot member answers, this field is empty.</p>
origDeviceType	Text String	<p>Indicates whether the device that initiated the call was a Spark client that is anchored to Cisco Unified Communications Manager over the Spark Remote Device:</p> <ul style="list-style-type: none"> • If yes, this field indicates "CiscoSparkRemoteDevice" • If no, this field is empty.

Field Name	Range of Values	Description
destDeviceType	Text String	<p>Indicates whether the device that was called was a Spark client that is anchored to Cisco Unified Communications Manager over the Spark Remote Device:</p> <ul style="list-style-type: none"> • If yes, this field indicates "CiscoSparkRemoteDevice" • If no, this field is empty. <p>Note If the Spark client "rings" and the CDR Log Calls with Zero Duration Flag service parameter is True, this field gets populated as 'CiscoSparkRemoteDevice' even if an enterprise number was dialed with "Ring all shared lines" configured.</p>

Related Topics

- [Call Termination Cause Codes](#)
- [CDR Examples](#)
- [Cisco Call Management Record Field Descriptions](#)
- [Codec Types](#)
- [Convert Signed Decimal Value to IP Address](#)
- [Documentation Related to CDR](#)
- [Global Call Identifier](#)
- [Redirect Reason Codes](#)
- [Routing Reason Values for External Call Control](#), on page 46

Routing Reason Values for External Call Control

Unified Communications Manager supports the external call control feature, which enables an adjunct route server to make call-routing decisions for Unified Communications Manager by using the Cisco Unified Routing Rules Interface. When you configure external call control, Unified Communications Manager issues a route request that contains the calling party and called party information to the adjunct route server. The adjunct route server receives the request, applies appropriate business logic, and returns a route response that instructs Unified Communications Manager on how the call should get routed, along with any additional call treatment that should get applied.

The adjunct route server can instruct Unified Communications Manager to allow, divert, or deny the call, modify calling and called party information, play announcements to callers, reset call history so adjunct voicemail and IVR servers can properly interpret calling/called party information, and log reason codes that indicate why calls were diverted or denied.

The following table includes the reasons that can display for the currentRoutingReason, origRoutingReason, or lastRedirectingRoutingReason fields.

Table 2: Routing Reason Values for External Call Control

Field Value	Reason	Description
0	PDPDecision_NONE	This value indicates that the route server did not return a routing directive to the Unified Communications Manager.
1	PDPDecision_Allow_Fulfilled	This value indicates that Unified Communications Manager allowed a call.
2	PDPDecision_Allow_Unfulfilled	This value indicates that Unified Communications Manager disallowed a call.
3	PDPDecision_Divert_Fulfilled	This value indicates that Unified Communications Manager diverted the call.
4	PDPDecision_Divert_Unfulfilled	This value indicates that Unified Communications Manager was not able to divert the call.
5	PDPDecision_Forward_Fulfilled	This value indicates that Unified Communications Manager forwarded the call.
6	PDPDecision_Forward_Unfulfilled	This value indicates that Unified Communications Manager was unable to forward the call.
7	PDPDecision_Reject_Fulfilled	This value indicates that Unified Communications Manager rejected the call.
8	PDPDecision_Reject_Unfulfilled	This value indicates that Unified Communications Manager was not able to reject the call.

Related Topics

[CDR Examples](#)

[Cisco Call Management Record Field Descriptions](#)

[Redirect Reason Codes](#)

