



SVI SQL CDR Table Format

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Version 4.1

Change History

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1 INTRODUCTION

The SVI system generates CDRs (Call Data Records) into an SQL database. The default system configuration generates a table with a known set of fields. The fields and their data values are listed below.

1.1 CDR TABLE PARAMETERS

All the CDR function calls use the same parameter set. However, each function can define which parameters are present.

Name	SQL Data Type	Description
cdr_id	VARCHAR(64)	Unique CDR ID
state	Smallint	Enumerated type index number for call state. See section 1.1.1.1
t_setup	TIMESTAMP	The time the incoming call arrived.
t_ringing	TIMESTAMP	The time the incoming call went to ringing.
t_answer	TIMESTAMP	The time the incoming call went to answer.
t_clear	TIMESTAMP	The time the incoming call cleared.
criteria	Char[], up to 40 characters	Identifies criteria used for routing decision.
pulse	Char[], up to 255 characters	Specifies the number of meter pulses received.
ic_call_id	Char[], up to 512 characters	Incoming call identifier required by CDR records. See section 1.1.1.3
ic_br	Smallint (16-bit integer)	Enumerated type index number for incoming bearer. See section 1.1.1.4
ic_cpc	Smallint	Incoming enumerated value for the Calling Party Classification. See section 1.1.1.5
ic_cdpn_sc	Boolean	Incoming Sending Complete flag for called party number. See section 1.1.1.6
ic_cdpn_dgts	Char[], up to 40 characters	Incoming called Party Number Digits
ic_cdpn_noa	Smallint (16-bit integer)	Enumerated type index number for Incoming Called Party Number Nature of Address. See section 1.1.1.7
ic_cgpn_dgts	Char[], up to 40 characters	Incoming Calling Party Number Digits.
ic_cgpn_noa	Smallint (16-bit integer)	Enumerated type index number for Incoming Calling Party Number Nature of Address. See section 1.1.1.7

ic_cgpn_pli	Smallint (16-bit integer)	Enumerated type index number for Incoming Calling Party Number Presentation Line Indicator. See section 1.1.1.8
ic_cgpn_si	Smallint (16-bit integer)	Enumerated type index number for Incoming Calling Party Number Screening Indicator. See section 1.1.1.9
ic_rgn_dgts	Char[], up to 40 characters	Incoming Redirecting Number Digits.
ic_rgn_noa	Smallint (16-bit integer)	Enumerated type index number for Incoming Redirecting Number Nature of Address. See section 1.1.1.7
ic_rgn_pli	Smallint (16-bit integer)	Enumerated type index number for Incoming Redirecting Presentation Line Indicator. See section 1.1.1.8
ic_ocn_dgts	Char[], up to 40 characters	Incoming Original Called Party Number Digits.
ic_ocn_noa	Smallint (16-bit integer)	Enumerated type index number for Incoming Original Called Number Nature of Address. See section 1.1.1.7
ic_ocn_pli	Smallint (16-bit integer)	Enumerated type index number for Incoming Original Called Number Presentation Line Indicator. See section 1.1.1.8
ic_pn_dgts	Char[], up to 40 characters	Incoming Presentation Number Digits.
ic_pn_noa	Smallint (16-bit integer)	Enumerated type index number for Incoming Presentation Nature of Address. See section 1.1.1.7
ic_pn_pli	Smallint (16-bit integer)	Enumerated type index number for Incoming Presentation Number Presentation Line Indicator. See section 1.1.1.8
ic_hg	Char [] up to 40 characters	Provides the incoming name/instance of the hunt group that the call originated from. See section 1.1.1.10
ic_dp	Smallint 16- bit Integer	Contains Incoming SVI internal database entry used for routing.
ic_codec	Smallint	Incoming Enumerated type of codec for SIP calls, where the SVI has been involved in codec negotiation and knows the codec selected. See section 1.1.1.11
ic_ep_name	Char[] up to 40 characters	Contains Incoming end point name for TDM end points.
ic_prt	Char [] up to 40 characters	Incoming endpoint identification information.
ic_cause	Smallint	Incoming Clearing Cause Code. See section 1.1.1.14

og_call_id	Char[], up to 512 characters	Outgoing call identifier required by CDR records. See section 1.1.1.3
og_br	Smallint (16-bit integer)	Enumerated type index number for outgoing bearer. See section 1.1.1.4
og_cpc	Smallint	Outgoing enumerated value for the Calling Party Classification. See section 1.1.1.5
og_cdpn_sc	Boolean	Called Party Number Sending-Complete flag for Outgoing called party number. See section 1.1.1.6
og_cdpn_dgts	Char[], up to 40 characters	Called Party Number Digits.
og_cdpn_noa	Smallint (16-bit integer)	Enumerated type index number for Outgoing Called Party Number Nature of Address. See section 1.1.1.7
og_cgpn_dgts	Char[], up to 40 characters	Outgoing Calling Party Number Digits.
og_cgpn_noa	Smallint (16-bit integer)	Enumerated type index number for Outgoing Calling Party Number Nature of Address. See section 1.1.1.7
og_cgpn_pli	Smallint (16-bit integer)	Enumerated type index number for Outgoing Calling Party Number Presentation Line Indicator. See section 1.1.1.8
og_cgpn_si	Smallint (16-bit integer)	Enumerated type index number for Outgoing Calling Party Number Screening Indicator. See section 1.1.1.9
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og_pn_dgts	Char[], up to 40 characters	Outgoing Presentation Number Digits.

og_pn_noa	Smallint (16-bit integer)	Enumerated type index number for Outgoing Presentation Nature of Address. See section 1.1.1.7
og_pn_pli	Smallint (16-bit integer)	Enumerated type index number for Outgoing Presentation Number Presentation Line Indicator. See section 1.1.1.8
og_hg	Char [] up to 40 characters	Provides the Outgoing name/instance of the hunt group that the call originated from. See section 1.1.1.10
og_dp	Smallint 16- bit Integer	Contains Outgoing SVI internal database entry used for routing.
og_codec	Smallint	Incoming Enumerated type of codec for SIP calls, where the SVI has been involved in codec negotiation and knows the codec selected. See section 1.1.1.11
og_ep_name	Char[] up to 40 characters	Contains Outgoing end point name for TDM end points.
og_prt	Char [] up to 40 characters	Outgoing endpoint identification information.
og_cause	smallint	Outgoing Clearing Cause Code. See section 1.1.1.14
clr_party	Smallint	Enumerated type index number for clearing party. See section 1.1.1.12
ic_route_info	Char[] up to 100 characters	This information provides additional details of the Incoming leg of the call depending on the protocol. See section 1.1.1.13
og_route_info	Char[] up to 100 characters	This information provides additional details of of the outgoing leg of a call depending on the protocol. See section 1.1.1.13
ic_billing_nu m	Char [] up to 40 characters	The incoming CDPN for billing purposes.
og_billing_nu m	Char [] up to 40 characters	The outgoing CDPN for billing purposes.
duration	Integer	Duration of the call.
charge	DECIMAL	Identifies whether the call (if it can be determined) is chargeable or not. See section 1.1.1.2
cost	DECIMAL	Cost of the call. (Applicable to Billing module only)
forward_cost	DECIMAL	Forwarding cost. (Applicable to Billing module only)
forward_char ge	DECIMAL	Forwarding Charge. (Applicable to Billing module only)
profit	DECIMAL	Calculated profit. (Applicable to Billing module only)
ic_account	Integer	Billing account for incoming leg Customer. (Applicable to Billing module only)
og_account	Integer	Billing account for outgoing leg Customer. (Applicable to Billing module only)

ic_number_plan_name	Char [] up to 40 characters	Number Plan name of incoming leg Customer. (Applicable to Billing module only)
ic_number_plan_prefix	Char [] up to 40 characters	Number Plan prefix of incoming leg Customer. (Applicable to Billing module only)
ic_number_plan_group	Char [] up to 40 characters	Number Plan group of incoming leg Customer. (Applicable to Billing module only)
og_number_plan_name	Char [] up to 40 characters	Number Plan name of outgoing leg Customer. (Applicable to Billing module only)
og_number_plan_prefix	Char [] up to 40 characters	Number Plan prefix of outgoing leg Customer. (Applicable to Billing module only)
og_number_plan_group	Char [] up to 40 characters	Number Plan group of outgoing leg Customer. (Applicable to Billing module only)
ic_cr_id	Char [] up to 40 characters	Customer table CustomerRefId Of incoming leg Customer (Applicable to Billing module only)
og_cr_id	Char [] up to 40 characters	Customer table CustomerRefId Of outgoing leg Customer (Applicable to Billing module only)
ic_azg_id	Integer	Incoming leg AZGroup id. (Applicable to Billing module only)
og_azg_id	Integer	Outgoing leg AZGroup id. (Applicable to Billing module only)
ic_cust_type	Integer	The incoming call leg customer type.
og_cust_type	Integer	The outgoing call leg customer type.
exported	Smallint	Flag to indicate if the record has been exported. Defaults to 0.
ic_billing_cgpn	Char [] up to 40 characters	The incoming CGPN for billing purposes.
og_billing_cgpn	Char [] up to 40 characters	The outgoing CGPN for billing purposes.
callback	Smallint	Flag to indicate whether the call is a callback. This will be set to 1 when a call is generated by the Call Back feature and 0 otherwise.
ic_contact	Char [] up to 255 characters	The incoming contact information.
og_contact	Char [] up to 255 characters	The outgoing contact information.
forward_reason	Integer	The reason for the forward, if this is a CDR generated for a second (or later) leg of the call. See Section 1.1.1.15
rem_cost	DECIMAL	Collect call cost. (Applicable to Billing module only)
rem_charge	DECIMAL	Collect call charge. (Applicable to Billing module only)
collect_call	Boolean	Indicates collect call feature specific call.
stats	Char [] up to 500 characters	RTP QOS statistics for the call. Require configuration of RTP Options in Customer table.

unique_id	Char [] up to 100 characters	The SIP Traversed ID. Requires config of TraversedCallID on VoipDestination
li_info	Char [] up to 50 characters	This information provides additional details of the Lawful Intercept leg of the call. See section 1.1.1.17
custom_ssme	Char [] up to 255 characters	Stores extracted data from SIP INVITEs based on SSME XML document attached to either the VoipDestination or VoipStack 'Incoming CDR SSME'
media_ids	Char [] up to 255 characters	The MGCP or MEGACO transaction Ids in a JSON string. See section 1.1.1.18
sri_ids	Char [] up to 255 characters	The GSM MAP SRI TCAP Ids in a JSON string. See section 1.1.1.18
camel_ids	Char [] up to 255 characters	The CAMEL TCAP Ids in a JSON string. See section 1.1.1.18
sdp_addrs	Char [] up to 500 characters	The SDP media addresses in a JSON string. See section 1.1.1.18
history	Char [] up to 255 characters	Currently unused.

1.1.1 PARAMETER DETAILS

The below sections define the possible values of fields which are enumerated types or have other value restrictions.

1.1.1.1 State

This parameter is an index into an enumerated type determining the call state as shown below.

Value	Call state
0	Idle
1	Routing
2	Setup
3	Ringing
4	Answered
5	Clearing
6	Retry
7	COT Test
8	Transfer
9	Ring out

1.1.1.2 Charge

This parameter indicates the chargeable status of a call.

0 = not chargeable

1 = chargeable

1.1.1.3 Call ID

Null terminated string, maximum length 512 characters.

The call id is used as a unique identifier in the API for the duration of a call allowing for handling of multiple simultaneous calls. Can also be used to tie up routing info requests with corresponding responses.

1.1.1.4 Bearer Code

This parameter is an index into an enumerated type as shown below.

Value	Incoming bearer
0	Unknown
1	Speech
2	3.1 KHz
3	7 KHz
4	64 KHz Restricted
5	64 KHz Unrestricted
6...	Spare

1.1.1.5 CPC – Calling Party Classification

index	Values
0	Unknown
1	Ordinary (Residential)
2	Ordinary (Business)
3	Payphone (General)
4	Administration Diverted Ordinary
5	Administration Diverted Payphone
6	ISDN (Residential)
7	ISDN (Business)
8	Pre-payment Payphone (Public)
9	Pre-payment Payphone (Renter's Residential)
10	Pre-payment Payphone (Renter's, Business)
11	Service Line
12	Centrex
13	Operator Services Operator
14	AMC Operator (NND/IND)
15	AMC Operator (NND)
16	DPNSS 1
17-32	Reserved
33	French
34	English
35	German
36	Russian
37	Spanish

1.1.1.6 SC - Sending Complete

Boolean flag.

0 = Sending Not Complete

1 = Sending Complete

The Sending Complete flag can be used to decide if a complete or partial match can be reported. A partial match can only ever be reported if the `cdpn_sc` flag is TRUE, i.e. all digits are known. Whilst the `cdpn_sc` flag is FALSE, a series of routing requests may be sent to the SQL database providing progressively more digits as they become known. Prior to the `cdpn_sc` flag being set to TRUE, the database could return either no match or a complete match. If at any stage no match is found then the application would stop sending routing requests for the same call. However, if at any stage a complete match is found, then the application could use the route or routes found - or it could wait for further routes to be revealed as more digits become known.

1.1.1.7 NOA – Nature of Address

Index into an enumerated type as shown below.

Value	Nature of address
0	Spare
1	Subscriber
2	Unknown
3	National
4	International
5	Network Specific
6..0x6f	Spare
0x70	Reserved
0x71..0x7d	Spare
0x7e	UK Specific
0x7f..	Spare

1.1.1.8 PLI – Presentation Line Indicator

Index into an enumerated type as shown below.

Value	Presentation Line Indicator
0	Allowed
1	Restricted
2	Address Not Allowed
3...	Spare

1.1.1.9 SI – Screening Indicator

Index into an enumerated type as shown below.

Value	Screening Indicator
0	User provided not verified.
1	User provided verified and passed.
2	User provided verified and failed.
3	Network provided.
4...	Spare

1.1.1.10 Hunt Group

If the SVI has been configured to manage the hunt groups of the system this parameter contains the name if specified of the hunt group or the number of the hunt group.

e.g. Vodaphone Trunk Group (if trunk group instance configured on the SVI has a name)

e.g. 9 (if trunk group instance does not have a name)

1.1.1.11 Codecs

A codec value is only returned for SIP-ISUP calls and SIP-SIP calls where the SVI is involved in the codec negotiation. For ISUP-ISUP calls, and SIP-SIP calls where the endpoints negotiate the codecs between themselves without the SVIs involvement, the value set here will be NULL.

Index into an enumerated type as shown below.

Value	Codecs
0	G711 Alaw 64k
1	G711 Alaw 56k
2	G711 Ulaw 64k
3	G711 Ulaw 56k
4	G722 64k
5	G722 56k
6	G722 48k
7	G723.1
9	G728
10	G729
14	GSM Full Rate
15	GSM Half Rate
16	T38
17	T38 Strict
18	T38 Loose
19	T38 GW
43	Speex
44	PSST

45	G726 40k
46	G726 32k
47	G726 16k
48	G726 24k
49	G723.1
50	DTMF
51	AMR
52	Telephone-event
53	NSE
54	iLBC
55	EVRC
56	G.Clear
57	CCD
58	G.nX64
59	G168EC-IC
60	G168EC-OG
61	CN
62	RED

1.1.1.12 Clp – Clearing Party

This enum indicates the party that cleared down the call.

0 = Incoming party

1 = Outgoing party

2 = SVI

1.1.1.13 route_info – Routing Information

The format of this field depends on the protocol used in the call:

SIP/H323: ip=<ip-address>:<port>;adj=<adjacent ip-address>:<adjacent port>;

ISUP: opc=<originating point code>;dpc=<destination point code>;ni=<national indicator>;cic=<circuit identification code>

1.1.1.14 Clearing cause code

This is protocol specific, and will contain the clearing code returned by the particular protocol involved.

1.1.1.15 Forward reason

When multiple CDRs are generated for separate legs of a forwarded call, a value is inserted to indicate the type of forward.

Code	Meaning
1	Unconditional Forward
2	Forward on Busy
3	Forward on No Answer
4	Translation (C4 style forward)

1.1.1.16 Customer Type

This indicates the type of the customer configured

Code	Meaning
0	Wholesaler
1	Subscriber
2	Carrier Pre-select
3	Offnet Subscriber
4	Reseller

1.1.1.17 li_info – Lawful Intercept Information

This is a ; separated string.

liid=< Lawful Intercept Identifier>;cin=< Communciation Identity Number>;dir=<To/From Target>

1.1.1.18 JSON Strings

Example format of media_ids:

```
{"IC":["9108","9111"],"OG":["9109","9110"]}
```

Example format of sri_ids:

```
{"IC":["421f0001","421f0001","421f0001"]}
```

Example format of camel_ids:

```
{"IC":["01000000","02000000"]}
```

Example format of sdp_addrs:

```
{"IC":{"lcl":["<ip:port1>"],"lclVid":["<ip:port2>"],"rmt":["<ip:port3>"],"rmtVid":["<ip:port4>"]},"OG":{"lcl":["<ip:port5>"],"lclVid":["<ip:port6>"],"rmt":["<ip:port7>"],"rmtVid":["<ip:port8>"]}}
```

2 C5 CALL FORWARDS

The SVI-C5 generates multiple CDRs (Call Data Records) for calls getting forwarded.

2.1 LOGIC

The type of CDR generated by the C5 system for a Call forward scenario depends on the type of call forward involved. This will also depend on the parameter 'MultipleCDRsOnForward' in the Global table of the database. This parameter is set to 1 by default for a C5 system resulting in separate cdr getting generated for calls involving forward. Each of the scenarios is explained below. All the cdr's generated for a call forward will have the incoming leg call ID same. The 'forward_reason' column of the cdr table is populated in the even to a call forward and this is the main information to be looked at to see if the call is forwarded and what type of call forward has occurred. A value 0 for forward_reason indicate the first call which resulted in the call to be forwarded. The CDR ID for the generated multiple cdr's will have a common id part followed by 'X1', 'X2' etc based on the number of cdrs'. (see examples)

2.1.1 UNCONDITIONAL

The unconditional forward results in a direct call going out of the system with the new number. So there will only be 2 CDR's generated for an unconditional forward. Both the cdr's will have state 4.

2.1.2 BUSY

Call forward on busy can happen in two ways. One is getting a 486 Busy response from the SIP endpoint. Another is that the SIP Endpoint has reached its maximum allowed incoming calls in the configuration (MaxInCalls of Customer table). In the later case, only 2 cdr's will be generated similar to the call forward unconditional. In the event of a call forward due to 486 Busy reject code from endpoint 3 cdr's will be created. The extra cdr will represent the rejected call with 486.

2.1.3 NO ANSWER

The call forward on no answer feature can only be triggered using the ringing timeout parameter available in the SubscriberNumbers table. Once this timeout value reaches, the C5 will trigger a call forward on no answer if configured. This type of forward generates 3 cdr's. 2 cdr's with state 4 for the forwarded call which went to answer. One extra cdr representing the rejected/cleared call due to ringing timeout/no answer with state 6.

2.1.4 TRANSLATE

This is the C4 style forward. The cdr behaviour in this case is same as unconditional forward.

2.1.5 MULTIPLE FORWARDS

When multiple call forwards are involved, the number of cdr's will be one more than the number of forwards involved. All these cdr's will have state 4 and will represent each forwarded call leg with the forward_reason indicating the types of forwards occurred. There can be extra cdr's apart from the ones explained with state 6 if the forwards involve a ringing timeout or a busy rejection or any other reject. These are for extra information related to the rejections that resulted in the call to be forwarded. For example for a complex case where call first gets forwarded due to no answer and then due to user busy, there will be 6 cdr's. 1 cdr for the initial no answer clear (state 6), 2 cdr's for the user busy rejection (state 6) and then 3 cdr's with state 4 for the final call which is answered. This logic can be extended for more forwards are involved.

2.2 EXAMPLES

This section lists some real CDR examples based on the logic explained in the previous section. User 4412345 calling User 4412346 who has forwarded the call to User 4412347. Where there are multiple forwards User 4412348 is the final destination. Important forward related info highlighted in bold.

2.2.1 UNCONDITIONAL

Unconditional call forward cdr example.

```
***** 1. row *****
cdr_id: E4499096e4f6eb9ca8ec0e7292778cfcd8d137cdad627625X2
state: 4
t_setup: 2014-05-13 14:57:29
t_ringing: 2014-05-13 14:57:29
t_answer: 2014-05-13 14:57:31
t_clear: 2014-05-13 14:57:36
criteria: NULL
pulse: NULL
ic_call_id: 5821DC30A0CC8573AABD90D8B521A7101DDF9@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
```

ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4125077734-149@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060

ic_billing_num: 4412346
og_billing_num: 4412347
duration: 5
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 2. row *****
cdr_id: E4499096e4f6eb9ca8ec0e7292778cfcd8d137cdad627625X1
state: 4
t_setup: 2014-05-13 14:57:29
t_ringing: 2014-05-13 14:57:29
t_answer: 2014-05-13 14:57:31
t_clear: 2014-05-13 14:57:36
criteria: NULL
pulse: NULL
ic_call_id: 5821DC30A0CC8573AABD90D8B521A7101DDF9@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346

ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4125077734-149@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535

og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 5
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 1
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.2 BUSY

A call forward on busy cdr scenario is shown below.

***** 1. row *****
cdr_id: E46462984d68aa916e8d37ec1a07befc36e8e64e090aa632
state: 6
t_setup: 2014-05-13 15:54:42
t_ringing: NULL
t_answer: 0000-00-00 00:00:00
t_clear: NULL

criteria: NULL
pulse: NULL
ic_call_id: D5DA78643B3B8997E2D3B7C8A26C52551DDFB@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 486
og_call_id:
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts:
og_cdpn_noa: 0
og_cgpn_dgts:
og_cgpn_noa: 0
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg:

og_dp: 0
og_codec: 0
og_ep_name:
og_prt:
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info:
ic_billing_num: 4412346
og_billing_num:
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: NULL
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn:
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: NULL
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 2. row *****
cdr_id: E46462992fbb9f858701baf6d9f1255c330769bfd6a15b7bX2
state: 4
t_setup: 2014-05-13 15:54:42
t_ringing: 2014-05-13 15:54:42
t_answer: 2014-05-13 15:54:43

t_clear: 2014-05-13 15:54:47
criteria: NULL
pulse: NULL
ic_call_id: D5DA78643B3B8997E2D3B7C8A26C52551DDFB@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4128510573-152@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL

og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 3. row *****
cdr_id: E46462992fbb9f858701baf6d9f1255c330769bfd6a15b7bX1
state: 4
t_setup: 2014-05-13 15:54:42
t_ringing: 2014-05-13 15:54:42

t_answer: 2014-05-13 15:54:43
t_clear: 2014-05-13 15:54:47
criteria: NULL
pulse: NULL
ic_call_id: D5DA78643B3B8997E2D3B7C8A26C52551DDFB@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4128510573-152@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL

og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 2
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.3 NO ANSWER

A call forward no answer cdr example is shown below.

```
***** 1. row *****
cdr_id: E4665C9A61cec464aa2f30031f26331bc84b5da43b3863b6
state: 6
t_setup: 2014-05-13 15:58:55
t_ringing: 2014-05-13 15:58:55
t_answer: 0000-00-00 00:00:00
t_clear: NULL
criteria: NULL
pulse: NULL
ic_call_id: 99F1FDC1278AE4499C5F70A13EE6E41B1DDFC@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 65533
og_call_id: 4128763386-153@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 20991222
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
```

og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991222
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.74:5060;adj=192.168.10.74:5060
ic_billing_num: 4412346
og_billing_num: 4412346
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345

og_contact:
forward_reason: NULL
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 2. row *****
cdr_id: E466709Ba1e32bc5f51df089f1a0494d23309373ff56e4bdX2
state: 4
t_setup: 2014-05-13 15:59:05
t_ringing: 2014-05-13 15:59:05
t_answer: 2014-05-13 15:59:31
t_clear: 2014-05-13 15:59:35
criteria: NULL
pulse: NULL
ic_call_id: 99F1FDC1278AE4499C5F70A13EE6E41B1DDFC@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4128773519-154@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345

og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0

ic_contact: 4412345

og_contact:

forward_reason: 0

rem_cost: NULL

rem_charge: NULL

collect_call: 0

stats: NULL

***** 3. row *****

cdr_id: E466709Ba1e32bc5f51df089f1a0494d23309373ff56e4bdX1

state: 4

t_setup: 2014-05-13 15:59:05

t_ringing: 2014-05-13 15:59:05

t_answer: 2014-05-13 15:59:31

t_clear: 2014-05-13 15:59:35

criteria: NULL

pulse: NULL

ic_call_id: 99F1FDC1278AE4499C5F70A13EE6E41B1DDFC@192.168.10.54

ic_br: NULL

ic_cpc: NULL

ic_cdpn_sc: NULL

ic_cdpn_dgts: 4412346

ic_cdpn_noa: 3

ic_cgpn_dgts: 4412346

ic_cgpn_noa: 3

ic_cgpn_pli: NULL

ic_cgpn_si: NULL

ic_rgn_dgts: NULL

ic_rng_noa: NULL

ic_rgn_pli: NULL

ic_ocn_dgts: NULL

ic_ocn_noa: NULL

ic_ocn_pli: NULL

ic_pn_dgts: NULL

ic_pn_noa: NULL

ic_pn_pli: NULL

ic_hg: C4

ic_dp: 0

ic_codec: NULL

ic_ep_name: C4

ic_prt: SIP

ic_cause: 200

og_call_id: 4128773519-154@SVIGateway

og_br: NULL

og_cpc: NULL

og_cdpn_sc: NULL

og_cdpn_dgts: 4412346

og_cdpn_noa: 3

og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345

callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 3
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.4 TRANSLATE

A C4 style forward example.

```
***** 1. row *****
cdr_id: E481789C05c6eee7d6aaeb30adaf69a253bb56e73f2108ffX2
state: 4
t_setup: 2014-05-13 16:56:44
t_ringing: 2014-05-13 16:56:44
t_answer: 2014-05-13 16:56:46
t_clear: 2014-05-13 16:56:50
criteria: NULL
pulse: NULL
ic_call_id: 95BC4295926FAF17D19D51A619DAE51F1DDFD@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
```

ic_cause: 200
og_call_id: 4132233200-155@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL

ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

***** 2. row *****

cdr_id: E481789C05c6eee7d6aaeb30adaf69a253bb56e73f2108ffX1
state: 4
t_setup: 2014-05-13 16:56:44
t_ringing: 2014-05-13 16:56:44
t_answer: 2014-05-13 16:56:46
t_clear: 2014-05-13 16:56:50
criteria: NULL
pulse: NULL
ic_call_id: 95BC4295926FAF17D19D51A619DAE51F1DDFD@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4

ic_prt: SIP
ic_cause: 200
og_call_id: 4132233200-155@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991214
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5070;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.57:5060;adj=192.168.10.57:5060
ic_billing_num: 4412346
og_billing_num: 4412347
duration: 4
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL

og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 4
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.5 MULTIPLE FORWARDS

Below are some cdr examples involving multiple forwards..

2.2.5.1 Example 1

C4 style forward followed by unconditional forward.

```
***** 1. row *****
cdr_id: E6547CA03bb6abee9b5bbc3c10c73ebbd9dc04c7f4dcc19fX3
state: 4
t_setup: 2014-05-14 09:33:03
t_ringing: NULL
t_answer: 2014-05-14 09:33:04
t_clear: 2014-05-14 09:33:05
criteria: NULL
pulse: NULL
ic_call_id: 6AEAD46BD894D41A884EBD7809AE35BC18A23@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
```

ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4192011597-159@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 1
charge: NULL

cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 2. row *****
cdr_id: E6547CA03bb6abee9b5bbc3c10c73ebbd9dc04c7f4dcc19fX2
state: 4
t_setup: 2014-05-14 09:33:03
t_ringing: NULL
t_answer: 2014-05-14 09:33:04
t_clear: 2014-05-14 09:33:05
criteria: NULL
pulse: NULL
ic_call_id: 6AEAD46BD894D41A884EBD7809AE35BC18A23@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412347
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL

ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4192011597-159@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412347
og_cdpn_noa: 3
og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 1

charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 4
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 3. row *****
cdr_id: E6547CA03bb6abee9b5bbc3c10c73ebbd9dc04c7f4dcc19fX1
state: 4
t_setup: 2014-05-14 09:33:03
t_ringing: NULL
t_answer: 2014-05-14 09:33:04
t_clear: 2014-05-14 09:33:05
criteria: NULL
pulse: NULL
ic_call_id: 6AEAD46BD894D41A884EBD7809AE35BC18A23@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412347
ic_cgpn_noa: 3

ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4192011597-159@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412347
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348

duration: 1
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 1
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.5.2 Example 2

Forward on no answer and forward unconditional combined.

***** 1. row *****

cdr_id: E65DCEA1be91b996623065fa15c790aa8e87de58be990dc3
state: 6
t_setup: 2014-05-14 09:52:55
t_ringing: 2014-05-14 09:52:56
t_answer: 0000-00-00 00:00:00
t_clear: NULL
criteria: NULL
pulse: NULL
ic_call_id: 16D4F6C987D1312C669D19349D8F303118A24@192.168.10.54
ic_br: NULL

ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 65533
og_call_id: 4193204262-160@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 20991222
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991222
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP

og_cause: NULL
clr_party: 1
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.74:5060;adj=192.168.10.74:5060
ic_billing_num: 4412346
og_billing_num: 4412346
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: NULL
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 2. row *****
cdr_id: E65DE2A20be9a644dab8e04e2e9fb962340329fb60727878X3
state: 4
t_setup: 2014-05-14 09:53:06
t_ringing: NULL
t_answer: 2014-05-14 09:53:07
t_clear: 2014-05-14 09:53:17
criteria: NULL
pulse: NULL
ic_call_id: 16D4F6C987D1312C669D19349D8F303118A24@192.168.10.54

ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4193214336-161@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001

og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 10
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 3. row *****
cdr_id: E65DE2A20be9a644dab8e04e2e9fb962340329fb60727878X2
state: 4
t_setup: 2014-05-14 09:53:06
t_ringing: NULL
t_answer: 2014-05-14 09:53:07
t_clear: 2014-05-14 09:53:17
criteria: NULL
pulse: NULL

ic_call_id: 16D4F6C987D1312C669D19349D8F303118A24@192.168.10.54

ic_br: NULL

ic_cpc: NULL

ic_cdpn_sc: NULL

ic_cdpn_dgts: 4412347

ic_cdpn_noa: 3

ic_cgpn_dgts: 4412346

ic_cgpn_noa: 3

ic_cgpn_pli: NULL

ic_cgpn_si: NULL

ic_rgn_dgts: NULL

ic_rng_noa: NULL

ic_rgn_pli: NULL

ic_ocn_dgts: NULL

ic_ocn_noa: NULL

ic_ocn_pli: NULL

ic_pn_dgts: NULL

ic_pn_noa: NULL

ic_pn_pli: NULL

ic_hg: C4

ic_dp: 0

ic_codec: NULL

ic_ep_name: C4

ic_prt: SIP

ic_cause: 200

og_call_id: 4193214336-161@SVIGateway

og_br: NULL

og_cpc: NULL

og_cdpn_sc: NULL

og_cdpn_dgts: 4412347

og_cdpn_noa: 3

og_cgpn_dgts: 4412346

og_cgpn_noa: 3

og_cgpn_pli: NULL

og_cgpn_si: NULL

og_rgn_dgts: NULL

og_rng_noa: NULL

og_rgn_pli: NULL

og_ocn_dgts: NULL

og_ocn_noa: NULL

og_ocn_pli: NULL

og_pn_dgts: NULL

og_pn_noa: NULL

og_pn_pli: NULL

og_hg: 20991213

og_dp: 0

og_codec: NULL

og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 10
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 3
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

***** 4. row *****

cdr_id: E65DE2A20be9a644dab8e04e2e9fb962340329fb60727878X1
state: 4
t_setup: 2014-05-14 09:53:06
t_ringing: NULL
t_answer: 2014-05-14 09:53:07
t_clear: 2014-05-14 09:53:17
criteria: NULL

pulse: NULL
ic_call_id: 16D4F6C987D1312C669D19349D8F303118A24@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412347
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4193214336-161@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412347
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0

og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=0.0.0.0:65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 10
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 1
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL

2.2.5.3 Example 3

Forward on no answer and forward on busy combined.

***** 1. row *****

cdr_id: E6A16A041e168ec81da81b8ed25eccf503a00d924e79a156
state: 6
t_setup: 2014-05-14 12:17:10
t_ringing: 2014-05-14 12:17:10
t_answer: 0000-00-00 00:00:00
t_clear: NULL
criteria: NULL
pulse: NULL
ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 65533
og_call_id: 4201858445-5@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 20991222
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL

og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991222
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info: ip=192.168.10.74:5060;adj=192.168.10.74:5060
ic_billing_num: 4412346
og_billing_num: 4412346
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: NULL
rem_cost: NULL
rem_charge: NULL
collect_call: 0

stats: NULL

***** 2. row *****

cdr_id: E6A17E05775873101ac558b0cdcf1feedfbac85dd9f52a1bX2

state: 6

t_setup: 2014-05-14 12:17:20

t_ringing: NULL

t_answer: 0000-00-00 00:00:00

t_clear: NULL

criteria: NULL

pulse: NULL

ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54

ic_br: NULL

ic_cpc: NULL

ic_cdpn_sc: NULL

ic_cdpn_dgts: 4412346

ic_cdpn_noa: 3

ic_cgpn_dgts: 4412345

ic_cgpn_noa: 3

ic_cgpn_pli: NULL

ic_cgpn_si: NULL

ic_rgn_dgts: NULL

ic_rng_noa: NULL

ic_rgn_pli: NULL

ic_ocn_dgts: NULL

ic_ocn_noa: NULL

ic_ocn_pli: NULL

ic_pn_dgts: NULL

ic_pn_noa: NULL

ic_pn_pli: NULL

ic_hg: C4

ic_dp: 0

ic_codec: NULL

ic_ep_name: C4

ic_prt: SIP

ic_cause: 486

og_call_id:

og_br: NULL

og_cpc: NULL

og_cdpn_sc: NULL

og_cdpn_dgts: 4412346

og_cdpn_noa: 0

og_cgpn_dgts: 4412345

og_cgpn_noa: 0

og_cgpn_pli: NULL

og_cgpn_si: NULL

og_rgn_dgts: NULL

og_rng_noa: NULL

og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg:
og_dp: 0
og_codec: 0
og_ep_name:
og_prt:
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info:
ic_billing_num: 4412346
og_billing_num:
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: NULL
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn:
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0
rem_cost: NULL
rem_charge: NULL

collect_call: 0
stats: NULL
***** 3. row *****
cdr_id: E6A17E05775873101ac558b0cdcf1feedfbac85dd9f52a1bX1
state: 6
t_setup: 2014-05-14 12:17:20
t_ringing: NULL
t_answer: 0000-00-00 00:00:00
t_clear: NULL
criteria: NULL
pulse: NULL
ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 486
og_call_id:
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 0
og_cgpn_dgts: 4412346
og_cgpn_noa: 0
og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL

og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg:
og_dp: 0
og_codec: 0
og_ep_name:
og_prt:
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info:
ic_billing_num: 4412346
og_billing_num:
duration: NULL
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: NULL
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn:
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 3
rem_cost: NULL

rem_charge: NULL
collect_call: 0
stats: NULL
***** 4. row *****
cdr_id: E6A17E0698579b87d504839c66db62ba7abaf8aa2c13e08fX3
state: 4
t_setup: 2014-05-14 12:17:20
t_ringing: NULL
t_answer: 2014-05-14 12:17:23
t_clear: 2014-05-14 12:17:25
criteria: NULL
pulse: NULL
ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412345
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4201868658-7@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412345
og_cgpn_noa: 3
og_cgpn_pli: NULL
og_cgpn_si: NULL

og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 2
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:
forward_reason: 0

rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 5. row *****
cdr_id: E6A17E0698579b87d504839c66db62ba7abaf8aa2c13e08fX2
state: 4
t_setup: 2014-05-14 12:17:20
t_ringing: NULL
t_answer: 2014-05-14 12:17:23
t_clear: 2014-05-14 12:17:25
criteria: NULL
pulse: NULL
ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412347
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412346
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4201868658-7@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412347
og_cdpn_noa: 3
og_cgpn_dgts: 4412346
og_cgpn_noa: 3
og_cgpn_pli: NULL

og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 2
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345
og_contact:

forward_reason: 3
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL
***** 6. row *****
cdr_id: E6A17E0698579b87d504839c66db62ba7abaf8aa2c13e08fX1
state: 4
t_setup: 2014-05-14 12:17:20
t_ringing: NULL
t_answer: 2014-05-14 12:17:23
t_clear: 2014-05-14 12:17:25
criteria: NULL
pulse: NULL
ic_call_id: 2CEDBC78BE662F3D29382D0FAC5843FD18A2B@192.168.10.54
ic_br: NULL
ic_cpc: NULL
ic_cdpn_sc: NULL
ic_cdpn_dgts: 4412346
ic_cdpn_noa: 3
ic_cgpn_dgts: 4412347
ic_cgpn_noa: 3
ic_cgpn_pli: NULL
ic_cgpn_si: NULL
ic_rgn_dgts: NULL
ic_rng_noa: NULL
ic_rgn_pli: NULL
ic_ocn_dgts: NULL
ic_ocn_noa: NULL
ic_ocn_pli: NULL
ic_pn_dgts: NULL
ic_pn_noa: NULL
ic_pn_pli: NULL
ic_hg: C4
ic_dp: 0
ic_codec: NULL
ic_ep_name: C4
ic_prt: SIP
ic_cause: 200
og_call_id: 4201868658-7@SVIGateway
og_br: NULL
og_cpc: NULL
og_cdpn_sc: NULL
og_cdpn_dgts: 4412346
og_cdpn_noa: 3
og_cgpn_dgts: 4412347
og_cgpn_noa: 3

og_cgpn_pli: NULL
og_cgpn_si: NULL
og_rgn_dgts: NULL
og_rng_noa: NULL
og_rgn_pli: NULL
og_ocn_dgts: NULL
og_ocn_noa: NULL
og_ocn_pli: NULL
og_pn_dgts: NULL
og_pn_noa: NULL
og_pn_pli: NULL
og_hg: 20991213
og_dp: 0
og_codec: NULL
og_ep_name: 1001
og_prt: SIP
og_cause: NULL
clr_party: 0
ic_route_info: ip=192.168.10.54:5080;adj=65535
og_route_info: ip=192.168.10.54:5070;adj=192.168.10.54:5070
ic_billing_num: 4412346
og_billing_num: 4412348
duration: 2
charge: NULL
cost: NULL
forward_cost: NULL
forward_charge: NULL
profit: NULL
ic_account: NULL
og_account: NULL
ic_number_plan_name: NULL
ic_number_plan_prefix: NULL
ic_number_plan_group: NULL
og_number_plan_name: NULL
og_number_plan_prefix: NULL
og_number_plan_group: NULL
ic_cr_id: NULL
og_cr_id: NULL
ic_azg_id: NULL
og_azg_id: NULL
ic_cust_type: NULL
og_cust_type: 1
exported: 0
ic_billing_cgpn: 4412345
og_billing_cgpn: 4412345
callback: 0
ic_contact: 4412345

og_contact:
forward_reason: 2
rem_cost: NULL
rem_charge: NULL
collect_call: 0
stats: NULL