



CHAPTER 2

Example of a Call Detail Block File

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This chapter provides an example of an actual call detail block (CDB) record generated by the Cisco BTS 10200 Softswitch's Element Management System (EMS) for a Local Plain Old Telephone Service (POTS) SIP to Media Gateway Control Protocol (MGCP) Line Call. The ASCII text as created is depicted below with a translation matrix after that can be used to decode the contents of the record within the file. The billing file shown contains only a single record.



Note

The times shown in the record below are in Pacific Standard Time (PST), which is offset minus 8 hours from Greenwich Mean Time (GMT).

This CDB is configured to use the semicolon (;) as a field separator and the vertical bar (|) as a record separator. Where the value for a given field is denoted by an empty field, two field separators in a row [semicolons (;)], it indicates that the field is irrelevant in the call context shown.

The contents of the billing file are:

```
001;06.0.0;2002-01-01 10:35:10;CA146||
3;1009190106000;1009190127000;;;1009190108000;1009190108000;1009190127000;;;;;;;;;;00:00:
19.000;;;1009190127000;9725581000;9775551232;9725581000;;9775551232;;;;;;;;;;1;0;16;0;
5;0;158;;;;;;;;;0;;;;;;;;;1056;515;168960;80608;0;344;2;0;0;0;0;0;1;0;0;0;CA146381;;;CA1
46;2;;;;;;;;;;;;;0;0;;;9725581000;757C88A2-3AA111CC-81B98F4D-B468D474@10.9.27.4
;10.89.227.58;;;;;;;;;;;;;8;10;2;;;;;;;;;1;;;9725581000;0;0;0;0;1;DAL00022;10.0.1.
4;10.0.4.9;;;;;;;;;223344;1;ANONYMOUS;3;;;;;;;;;;;;;|1;
;;;;;;;;;;;;;0;12345;;;;;;;;;;;;;|1;
2002-01-01 10:35:30
```

Header information:

```
Header/TrailerVersionNumber=001
CDBVersion=06.0.0
StartingTime=2004-09-01 10:35:10.000
CAName=CA146
```

Trailer information:

```
NumberOfRecords=1
Close/FinishTime=2004-09-01 10:35:30.000
```



Note

This is not intended to mirror the CDB REPORT command on the Cisco BTS 10200 exactly; this is for illustrative purposes only.

Here is an example of a decoded terminating billing record:

```

CALLTYPE=LOCAL
SIGSTARTTIME=2007-07-11 14:31:10.774
SIGSTOPTIME=2007-07-11 14:31:14.121
SERVICEINSTANCETIME1=2007-07-11 14:31:10.783
CALLELAPSEDTIME=00:00:00.000
ORIGNUMBER=2012520203
TERMNUMBER=2012520201
CHARGENUMBER=2012520203
DIALED DIGITS=2012520201
SERVICETYPE1=Class Of Service
USAGESENSITIVE1=False
SERVICERESULTCODE1=BW Screening Reject
CALLTERMINATIONCAUSE=SERVICE_DENIED
ORIGSIGNALINGTYPE=0
TERMSIGNALINGTYPE=4
ORIGTRUNKGROUPNUMBER=0
TERMTRUNKGROUPNUMBER=10012
OUTGOINGTRUNKNUMBER=0
ORIGCIRCUITID=0
TERMCIRCUITID=1
ORIGQOSTIME=2007-07-11 14:31:14.161
ORIGQOSPACKETSSENT=0
ORIGQOSPACKETSRECD=110
ORIGQOSOCKETSSENT=0
ORIGQOSOCKETSRECD=26400
ORIGQOSPACKETSLOST=0
ORIGQOSJITTER=0
ORIGQOSAVGLATENCY=0
PACKETIZATIONTIME=20
SILENCESUPPRESSION=0
ECHOCANCELLATION=0
CODECTYPE=PCMU
CONNECTIONTYPE=IP
OPERATORINVOLVED=0
CASUALCALL=0
INTERSTATEINDICATOR=0
OVERALLCORRELATIONID=CA146169
TIMERINDICATOR=0
RECORDTYPE=NORMAL RECORD
JIP=201999
CALLAGENTID=CA146
ORIGPOPTIMEZONE=CDT
ORIGTYPE=INTRASWITCH
TERMTYPE=INTERSWITCH
NASERRORCODE=0
NASDLXREASON=0
FAXINDICATOR=NOT A FAX
ORIGPOPID=tb01
DIALPLANID=tb01
CALLINGPARTYCATEGORY=Ordinary Subscriber
CALLEDPARTYINDICATOR=No Indication
CALLEDPARTYPORTEDIN=No
CALLINGPARTYPORTEDIN=No
BILLINGRATEINDICATOR=None
ORIGENDPOINTADDR=x1-6-00-00-CA-E5-F5-4C.ipclab.cisco.com
ORIGCMTSID=c7246-227-104
SENSORID=000000
ORIGPRIVACYINDICATOR=FULL
ORIGLINEINFO=0
ORIGBUFFERSIZE=1128792064

```

```

ORIGPACKETSIZE=200
ORIGSPEECHSIZE=200
ORIGBANDWIDTH=1176256512
ORIGADMISSIONCTRLTYPE=DQOS
MODEMINDICATOR=False
TDDINDICATOR=False
CTRACID=M00003e
ORIGNETYPE=CMS
ORIGBCID=3393171070_55555_1-050000_104
ORIGREMOTEPACKETSENT=71
ORIGREMOTEOCTETSSENT=17892
ORIGREMOTEPACKETSLOST=0
ORIGREMOTEAVERAGEINTERARRIVALJITTER=0
SERVICESTATUS1=INSTANCE

```

Here is an example of a decoded originating billing record:

```

CALLTYPE=LOCAL
SIGSTARTTIME=2007-07-11 14:32:26.406
SIGSTOPTIME=2007-07-11 14:32:32.170
SERVICEINSTANCETIME1=2007-07-11 14:32:26.416
CALLELAPSEDTIME=00:00:00.000
ORIGNUMBER=2012520201
TERMINUMBER=2012520203
CHARGENUMBER=2012520201
DIALEDDIGITS=2012520203
SERVICETYPE1=Seasonal Suspend
USAGESENSITIVE1=False
SERVICERESULTCODE1=Success
CALLTERMINATIONCAUSE=CALL_REJECTED
ORIGSIGNALINGTYPE=0
TERMSIGNALINGTYPE=4
ORIGTRUNKGROUPNUMBER=0
TERMTRUNKGROUPNUMBER=10012
OUTGOINGTRUNKNUMBER=0
ORIGCIRCUITID=0
TERMCIRCUITID=1
ORIGQOSTIME=2007-07-11 14:32:32.195
ORIGQOSPACKETSENT=0
ORIGQOSPACKETSRECD=191
ORIGQOSOCETSSENT=0
ORIGQOSOCETSRECD=45680
ORIGQOSPACKETSLOST=0
ORIGQOSJITTER=0
ORIGQOSAVGLATENCY=0
PACKETIZATIONTIME=20
SILENCESUPPRESSION=0
ECHOCANCELLATION=0
CODECTYPE=PCMU
CONNECTIONTYPE=IP
OPERATORINVOLVED=0
CASUALCALL=0
INTERSTATEINDICATOR=0
OVERALLCORRELATIONID=CA146170
TIMERINDICATOR=0
RECORDTYPE=NORMAL RECORD
JIP=201999
CALLAGENTID=CA146
ORIGPOPTIMEZONE=CDT
ORIGTYPE=INTRASWITCH
TERMTYPE=INTRASWITCH
NASERRORCODE=0
NASDLXREASON=0
FAXINDICATOR=NOT A FAX

```

ORIGPOPID=tb01
TERMPOPID=tb01
TERMPOPTIMEZONE=CDT
DIALPLANID=tb01
CALLINGPARTYCATEGORY=Ordinary Subscriber
CALLEDPARTYINDICATOR=No Indication
CALLEDPARTYPORTEDIN=No
CALLINGPARTYPORTEDIN=No
BILLINGRATEINDICATOR=None
ORIGENDPOINTADDR=x1-6-00-00-CA-E5-F7-A4.ipclab.cisco.com
ORIGCMTSID=c7246-227-104
SENSORID=000000
ORIGPRIVACYINDICATOR=FULL
ORIGLINEINFO=0
ORIGBUFFERSIZE=1128792064
ORIGPACKETSIZE=200
ORIGSPEECHSIZE=200
ORIGBANDWIDTH=1176256512
ORIGADMISSIONCTRLTYPE=DQOS
MODEMINDICATOR=False
TDDINDICATOR=False
CTRACID=M00003f
ORIGNETYPE=CMS
ORIGBCID=3393171146_55555_1-050000_105
TERMBCID=3393171146_55555_1-050000_106
ORIGREMOTEPACKETSENT=78
ORIGREMOTEOCTETSSENT=19656
ORIGREMOTEPACKETSLOST=0
ORIGREMOTEAVERAGEINTERARRIVALJITTER=0
SERVICESTATUS1=INSTANCE