



Configuring BAMS for 1110 Binary Output

Overview

This chapter describes the 1110 Binary billing record output by the Cisco Billing and Measurements Server (BAMS). You enable 1110 Binary output with the NODEPARMS tag ID. For more information, see the [“NODEPARMS Tag ID” section on page 5-10](#).

Once you have configured your system for 1110 Binary output you may also need to adjust the default output values in the BIN1110 table (see the [“Updating the BIN1110 Table” section on page 5-4](#)). By default, a system configured to generate 1110 Binary output produces 1060 CDBs, and the output files have a BIN suffix.



Note

Default 1110 Binary output also includes 1090 (file header), 1100 (file footer), and 1110 (maintenance) CDB types.

1110 Binary Output

1110 Binary output files are created by the BIN task. These files are stored in the BIN1110 subdirectory of the /data/nodename directory (for example, /data/s0x/BIN1110). The fields contained in the BIN1110 output are explained in [Table 10-1](#), [Table 10-2](#), [Table 10-3](#), and [Table 10-4](#). The 1110 Binary file-naming conventions are explained in [“File-Naming Conventions” section on page A-4](#).

File Header (CDB 1090) Data Format

[Table 10-1](#) defines the file header’s tag, description, and information source.

Table 10-1 File Header (CDB 1090) Field Ordering

Tag	Description	Information Source
4000	CDB version	1
4001	CDB timepoint	Time written
4002	Universal Call reference ID	Always 0, to be compatible with all other CDB layouts
6001	File start time	

Table 10-1 File Header (CDB 1090) Field Ordering (continued)

Tag	Description	Information Source
6000	Host Cisco MGC ID	
6004	Cisco MGC software version	

File Footer (CDB 1100) Data Format

Table 10-2 defines the file footer's tag, description, and information source.

Table 10-2 File Footer (CDB 1100) Field Ordering

Tag	Description	Information Source
4000	CDB version	1
4001	CDB timepoint	
4002	Universal reference ID	Always 0, to be compatible with all other CDB layouts
6002	File end time	
6003	Total number of CDB records	BAMS modifies this tag to match the number of records in the BAMS output. This tag counts both the header CDB and the footer CDB.
6000	Host Cisco MGC ID	
6004	Cisco MGC software version	

Maintenance (CDB 1070) Data Format

Table 10-3 defines the maintenance CDB's tag and field name. By default, this CDB type is not generated.

Table 10-3 Maintenance (CDB 1070) Field Ordering

Tag	Field Name
5000	Unique Call Id (Mistral and Later)
4000	CDB Version
4001	CDB Timepoint
4002	Call Reference ID
4017	Maint Circuit Trunk Group
4018	Maint Circuit Member
4032	Maint Type
4033	Maint Reason
4074	Maintenance SigPathId
4075	Maintenance SpanId
4076	Maintenance BearChanId
4077	Maintenance Circuits Count

1110 and 1060 CDB Data Format

Table 10-4 defines the possible CDE fields; it does not refer to the actual offset of the CDE in the CDB because some CDE tags may not be present in the output.

Table 10-4 1110 and 1060 Field Index

Index	ANSI Tags		ITU Tags		Source CDB	In 1060?
	Tag	Description	Tag	Description		
1	5000	Unique Call Id (Mistral and Later)	5000	Unique Call Id (Mistral and later)	1030, 1040 for 1110 output. 1060 for 1060 output.	Y
2	4000	CDB Version	4000	CDB Version	1030, 1040 for 1110 output. 1060 for 1060 output.	Y
3	4001	CDB Timepoint	4001	CDB Timepoint	1030, 1040 for 1110 output. 1060 for 1060 output.	Y
4	4002	Call Reference ID	4002	Call Reference ID	1030, 1040 for 1110 output. 1060 for 1060 output.	Y
5	4100	IAM/ Setup timepoint received - milliseconds	4100	IAM/ Setup timepoint received - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
6	4101	IAM/ Setup timepoint sent - milliseconds	4101	IAM/ Setup timepoint sent - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
7	4102	ACM/alert timepoint received - milliseconds	4102	ACM/alert timepoint received - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
8	4103	ACM/alert timepoint sent - milliseconds	4103	ACM/alert timepoint sent - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
9	4104	ANM/Ans. timepoint - received - milliseconds	4104	ANM/Ans. timepoint - received - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
10	4105	ANM/Ans. timepoint - sent - milliseconds	4105	ANM/Ans. timepoint - sent - milliseconds	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
11	4106	First REL/Release timepoint - milliseconds	4106	First REL/Release timepoint - milliseconds	1030 or 1040	N
12	4107	2nd REL/Release timepoint - milliseconds	4107	2nd REL/Release timepoint - milliseconds	1030 or 1040	N

Table 10-4 1110 and 1060 Field Index (continued)

Index	ANSI Tags		ITU Tags		Source CDB	In 1060?
13	4108	RLC/Rel complete timepoint sent - milliseconds	4108	RLC/Rel complete timepoint sent - milliseconds	1030 or 1040	N
14	4109	RLC/Rel complete timepoint rcvd - milliseconds	4109	RLC/Rel complete timepoint received - milliseconds	1030 or 1040	N
15	4008	Originating Trunk Group	4008	Originating Trunk Group	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
16	4009	Originating member	4009	Originating member	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
17	4010	Calling number	4010	Calling number	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
18	4011	Charged number	4011	Charged number	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
19	4012	Dialed number	4012	Dialed number	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
20	4014	Called number	4014	Called number	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
21	4015	Terminating Trunk Group	4015	Terminating Trunk Group	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
22	4016	Terminating member	4016	Terminating member	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
23	4028	First release source	4028	First release source	1030 or 1040	N
24	4052	Originating Gateway Primary Select	4052	Originating Gateway Primary Select	1010	N
25	4053	Terminating Gateway Primary Select	4053	Terminating Gateway Primary Select	1010	N
26	4060	Redirecting Number	4060	Redirecting Number	From 1010 or 1030, and from 1060 only if no 1010 found.	Y
27	4061	Tariff Rate	4061	Tariff Rate	1030 or 1040	N
28	4062	Scale Factor	4062	Scale Factor	1030 or 1040	N

Table 10-4 1110 and 1060 Field Index (continued)

Index	ANSI Tags		ITU Tags		Source CDB	In 1060?
29	4063	Test Line Indicator	4063	Test Line Indicator	1010 or 1030	N
30	4201	Ingress SIP URL (Mistral and Later)	4201	Ingress SIP URL (Mistral and Later)	1010 or 1030	N
31	4202	Egress SIP URL (Mistral and Later)	4202	Egress SIP URL (Mistral and Later)	1010 or 1030	N
32	4203	SIP Callid	4203	SIP Callid	1010 or 1030	N
33	4204	Source IP Address	4204	Source IP Address	1010 or 1030	N
34	4205	Ingress Media Device Address	4205	Ingress Media Device Address	1010 or 1030	N
35	4206	Egress Media Device Address	4206	Ingress Media Device Address	1010 or 1030	N
36	4207	Initial Codec	4207	Initial Codec	1010 or 1030	N
37	4208	Final Codec	4208	Final Codec	1010, 1040 or 1030	N
38	4209	Ingress Media Device Port Number	4209	Ingress Media Device Port Number	1010 or 1030	N
39	4210	Egress Media Device Port Number	4210	Egress Media Device Port Number	1010 or 1030	N
40	2000	CPC	3000	CPC	1010 or 1030	N
41	2001	User Service Information	3001	User Service Information	1010 or 1030	N
42	2002	Originating Line Information			1010 or 1030	N
43	2003	Calling number NOA	3003	Calling number NOA	1010 or 1030	N
44	2004	Charged number NOA		Does not exist for ITU	1010 or 1030	N
45	2005	Dialed number NOA	3005	Dialed number NOA	1010 or 1030	N
46	2007	Called Number NOA	3007	Called Number NOA	1010 or 1030	N
47	2008	Reason code	3008	Reason code	1030 or 1040	N
48	2013	Transit Network Selection	3013	Transit Network Selection	1010 or 1030	N
49	2015	Carrier Selection Parm			1010 or 1030	N
50	2017	Redirecting Number NOA)	3017	Redirecting Number NOA	1010 or 1030	N

Table 10-4 1110 and 1060 Field Index (continued)

Index	ANSI Tags		ITU Tags		Source CDB	In 1060?
51	4078	Charge Band Number	4078	Charge Band Number	1030 or 1040	N
52	4079	Furnish Charging Number	4079	Furnish Charging Number	1030 or 1040	N
53	4080	Original Called Number	4080	Original Called Number	1010 or 1030	N
54	4081	T.38 Fax Call	4081	T.38 Fax Call	1030 or 1040	N