



## Data File Formats

IP Communications Operations Manager (Operations Manager) writes data files for performance polling and node-to-node tests. This topic includes the following:

- [Data Files—Maintenance and Usage, page I-1](#)
- [Performance Polling Record Formats, page I-2](#)
- [Node-to-Node Test Record Formats, page I-50](#)

### Data Files—Maintenance and Usage

[Table I-1](#) provides information about data files that Operations Manager generates for node-to-node test and performance polling.

**Table I-1** Performance Polling and Node-to-Node Data Files

Data File	Node-to-Node Tests	Performance Polling
Storage Location	<i>NMSROOT\data\N2NTests\testname</i>	<i>NMSROOT\data\gsu\_#GSUDATA#_</i>
Filenames	<ul style="list-style-type: none"> <li>• <i>YYYYMMDD.csv</i>—One data file is written per day; named with year, month, and day; for example: <i>20060203.csv</i></li> <li>• <i>IPSLATestInfo.log</i>—Contains all the configuration information for the node-to-node-test.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>&lt;device_name&gt;[&lt;\$&lt;port or card name&gt;]_YYYYMMDD.csv</i>—One data file is written per day per device: <ul style="list-style-type: none"> <li>– <i>&lt;device_name&gt;</i> is the name or IP address of the device.</li> <li>– <i>&lt;port or card name&gt;</i> is optional; it is the name of a T1/E1 port or FXS card on a switch in the Cisco Catalyst 6000 family. A filename that includes not only a device name but a port or card name contains data on individual MGCP gateways within a switch in the Cisco Catalyst 6000 family.</li> </ul> </li> </ul>

**Table I-1 Performance Polling and Node-to-Node Data Files (continued)**

Data File	Node-to-Node Tests	Performance Polling
Retention period	30 days	3 days
	Operations Manager daily purging deletes files that are older than the retention period.	
	<b>Note</b> If you want to retain node-to-node test or performance polling data files beyond the retention period, you should back them up or move them to another folder or server.	
Record format	Fixed 38-field format. The 38 <sup>th</sup> field is reserved and contains the test name.  For detailed record formats, see <a href="#">Node-to-Node Test Record Formats, page I-50</a>	Fixed 38-field format. The 38 <sup>th</sup> field is reserved and contains an asterisk (*).  For detailed record formats, see <a href="#">Performance Polling Record Formats, page I-2</a> .

## Performance Polling Record Formats

There is one record for each type of data collected. The record types are summarized in [Table I-2](#). Device types and the record types for each are summarized in [Table I-3](#).

**Table I-2 Performance Polling Record Types**

Type	Reference	Record Count
100	<a href="#">Cisco CallManager Port Usage and CPU Usage—Record Type 100, page I-5</a>	One per Cisco CallManager
101	<a href="#">Cisco CallManager-Controlled Gateway Port Usage—Record Type 101, page I-7</a>	One per Cisco CallManager-registered Media Gateway Control Protocol (MGCP) gateway
102	<a href="#">Cisco IOS Gateway Port Usage—Record Type 102, page I-9</a>	One per Cisco IOS gateway
103	<a href="#">Channelized T1 DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 103, page I-12</a>	One per T1 CAS in Cisco CallManager gateway
104	Reserved for future use	Not applicable
105	<a href="#">Cisco Digital PBX Adapter Port and CPU Usage—Record Type 105, page I-14</a>	One per DPA
106	<a href="#">Cisco IOS Device CPU Usage—Record Type 107, page I-16</a>	One per zone defined in gatekeeper
107	<a href="#">Cisco IOS Device CPU Usage—Record Type 107, page I-16</a>	One per device
108	<a href="#">Cisco Device Memory Usage—Record Type 108, page I-18</a>	One per Cisco IOS gateway or gatekeeper
109	<a href="#">Cisco IOS Gateway Digital Signal Processor Usage—Record Type 109, page I-19</a>	One per DSP channel in Cisco IOS gateway
110	<a href="#">T1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 110, page I-20</a>	One per T1 PRI in Cisco CallManager-registered MGCP gateway
111	<a href="#">E1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 111, page I-22</a>	One per E1 PRI in Cisco CallManager-registered MGCP gateway
112	<a href="#">Channelized T1 CAS DS0 Channel Status for Cisco IOS Gateways—Record Type 112, page I-25</a>	One per T1 CAS in Cisco IOS gateway
113	<a href="#">Channelized E1 CAS DS0 Channel Status for Cisco IOS Gateways—Record Type 113, page I-27</a>	One per E1 CAS in Cisco IOS gateway

Table I-2 Performance Polling Record Types (continued)

Type	Reference	Record Count
114	T1 PRI DS0 Channel Status for Cisco IOS Gateways—Record Type 114, page I-28	One per T1 PRI in Cisco IOS gateway
115	E1 PRI DS0 Channel Status for Cisco IOS Gateways—Record Type 115, page I-30	One per E1 PRI in Cisco IOS gateway
116	BRI Channel Status for Cisco CallManager-Controlled Gateways—Record Type 116, page I-32	One per BRI port in Cisco CallManager-registered MGCP gateway
117	BRI Channel Status for Cisco IOS Gateways—Record Type 117, page I-32	One per BRI port in Cisco IOS gateway
118	Cisco Unity Express Mailbox Usage—Record Type 118, page I-33	One per Cisco Unity Express
119	Cisco CallManager Express Ephone and Key Ephone Usage—Record Type 119, page I-35	One per Cisco CallManager Express
120	Cisco Survivable Remote Site Telephony Usage—Record Type 120, page I-35	One per SRST device
121	Cisco Unity Port Usage—Record Type 121, page I-36	One per Cisco Unity
122	Consolidated DSP Usage for Cisco IOS Devices—Record Type 122, page I-37	One per Cisco IOS gateway
123	Cisco CallManager Usage 2—Record Type 123, page I-37	One per Cisco CallManager
124	FXS Port Usage for Cisco CallManager-Controlled Gateways—Record Type 124, page I-39	One per FXS port in a Cisco CallManager-registered MGCP gateway
125	FXO Port Usage for Cisco CallManager-Controlled Gateways—Record Type 125, page I-40	One per FXO port in a Cisco CallManager-registered MGCP gateway
126	Cisco CallManager CTI Manager Usage—Record Type 126, page I-41	One per Cisco CallManager
127	Cisco CallManager Analog Access Gateway Usage—Record Type 127, page I-41	One per analog access gateway registered with a Cisco CallManager
128	Cisco CallManager H323 Gateway Usage—Record Type 128, page I-42	One per H323 gateway added to Cisco CallManager
129	Cisco CallManager Location Usage—Record Type 129, page I-42	One per location in Cisco CallManager
130	Cisco CallManager Media Streaming Application Usage—Record Type 130, page I-43	One per Cisco CallManager
131	Cisco CallManager MOH Usage—Record Type 131, page I-44	One per MOH device registered with Cisco CallManager
132	Cisco CallManager MTP Usage—Record Type 132, page I-45	One per MTP device registered with Cisco CallManager
133	Cisco CallManager Hardware Conference Bridge Usage—Record Type 133, page I-46	One per hardware conference bridge registered with Cisco CallManager
134	Cisco CallManager Software Conference Bridge Usage—Record Type 134, page I-47	One per software conference bridge registered with Cisco CallManager
135	Cisco CallManager Transcoder—Record Type 135, page I-48	One per transcoder registered with Cisco CallManager

**Table I-2 Performance Polling Record Types (continued)**

Type	Reference	Record Count
136	<a href="#">T1 PRI Usage for Cisco CallManager-Controlled Gateways—Record Type 136, page I-48</a>	One per T1 PRI in a Cisco CallManager-registered MGCP gateway
137	<a href="#">E1 PRI Usage for Cisco CallManager-Controlled Gateways—Record Type 137, page I-49</a>	One per E1 PRI in a Cisco CallManager-registered MGCP gateway
138	<a href="#">T1 CAS Usage for Cisco CallManager-Controlled Gateways—Record Type 138, page I-49</a>	One per T1 CAS in a Cisco CallManager-registered MGCP gateway

Table I-3 lists device types and record types that will be written for each device type.

**Table I-3 Performance Polling Record Types for Each Device Type**

Device Types	Record Number	Record Descriptions
CallManager Express Gatekeepers H323 Gateways SRST Devices	102	<ul style="list-style-type: none"> <li>• Cisco IOS Gateway Port Usage</li> </ul>
	106	<ul style="list-style-type: none"> <li>• Cisco IOS Gatekeeper Zone Usage</li> </ul>
	107	<ul style="list-style-type: none"> <li>• Cisco IOS Gateway or Gatekeeper CPU Usage</li> </ul>
	108	<ul style="list-style-type: none"> <li>• Cisco IOS Gateway or Gatekeeper Memory Usage</li> </ul>
	109	<ul style="list-style-type: none"> <li>• Cisco IOS Gateway Digital Signal Processor (DSP) Usage</li> </ul>
	112	<ul style="list-style-type: none"> <li>• Channelized T1 CAS DS0 Channel Status for Cisco IOS Gateways</li> </ul>
	113	<ul style="list-style-type: none"> <li>• Channelized E1 CAS DS0 Channel Status for Cisco IOS Gateways</li> </ul>
	114	<ul style="list-style-type: none"> <li>• T1 PRI DS0 Channel Status for Cisco IOS Gateway</li> </ul>
	115	<ul style="list-style-type: none"> <li>• E1 PRI DS0 Channel Status for Cisco IOS Gateways</li> </ul>
	117	<ul style="list-style-type: none"> <li>• BRI Channel Status for Cisco IOS Gateways</li> </ul>
	119	<ul style="list-style-type: none"> <li>• Cisco CallManager Express Usage</li> </ul>
	120	<ul style="list-style-type: none"> <li>• Cisco Survivable Remote Site Telephony Usage</li> </ul>
Cisco CallManager	122	<ul style="list-style-type: none"> <li>• Consolidated DSP Usage</li> </ul>
	100	<ul style="list-style-type: none"> <li>• Cisco CallManager Port Usage</li> </ul>
	123	<ul style="list-style-type: none"> <li>• Cisco CallManager Usage 2</li> </ul>
	126	<ul style="list-style-type: none"> <li>• Cisco CallManager CTI Manager Usage</li> </ul>
	127	<ul style="list-style-type: none"> <li>• Cisco CallManager Analog Access Gateway Usage</li> </ul>
	128	<ul style="list-style-type: none"> <li>• Cisco CallManager H323 Gateway Usage</li> </ul>
	129	<ul style="list-style-type: none"> <li>• Cisco CallManager Location Usage</li> </ul>
	130	<ul style="list-style-type: none"> <li>• Cisco CallManager Media Streaming Application Usage</li> </ul>
	131	<ul style="list-style-type: none"> <li>• Cisco CallManager MOH Usage</li> </ul>
	132	<ul style="list-style-type: none"> <li>• Cisco CallManager MTP Usage</li> </ul>
	133	<ul style="list-style-type: none"> <li>• Cisco CallManager Hardware Conference Bridge Usage</li> </ul>
	134	<ul style="list-style-type: none"> <li>• Cisco CallManager Software Conference Bridge Usage</li> </ul>
135	<ul style="list-style-type: none"> <li>• Cisco CallManager Transcoder Usage</li> </ul>	

**Table I-3 Performance Polling Record Types for Each Device Type (continued)**

Device Types	Record Number	Record Descriptions
Cisco Unity	121	Cisco Unity Usage
Cisco Unity Express	118	Cisco Unity Express Mailbox Usage
Gateways (MGCP gateways registered to Cisco CallManager)	101	• Cisco CallManager-Controlled Gateway Port Usage
	103	• Channelized T1 DS0 Channel Status for Cisco CallManager-Controlled Gateways
	110	• T1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways
	111	• E1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways
	116	• BRI Channel Status for Cisco CallManager-Controlled Gateways
	124	• FXS Port Usage for Cisco CallManager-Controlled Gateways
	125	• FXO Port Usage for Cisco CallManager-Controlled Gateways
	136	• T1 PRI Usage for Cisco CallManager-Controlled Gateways
	137	• E1 PRI Usage for Cisco CallManager-Controlled Gateways
	138	• T1 CAS Usage for Cisco CallManager-Controlled Gateways
Voice Mail Gateways	105	Cisco Digital PBX Adapter Port and CPU Usage

## Cisco CallManager Port Usage and CPU Usage—Record Type 100

This record contains the port usage and CPU usage for a Cisco CallManager. Cisco CallManager supports the following ports:

- T1 PRI
- T1 CAS
- E1 PRI
- BRI
- FXO
- FXS

**Table I-4 Format of Record Type 100**

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 100.	100
2	Date	yyyymmdd	Mandatory: calendar date.	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time.	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager.	Example: CCM3
5	CPU 1 usage	Number	Measured percentage CPU utilization for CPU 1 at time stamp.	$\geq 0$ and $\leq 100$

Table I-4 Format of Record Type 100 (continued)

Field Number	Field ID	Content	Description	Value
6	Active calls	Number	Number of calls active at time stamp. This counter shows calls that are fully established and in use. Calls in setup mode or in teardown mode are not reported by this count.	$\geq 0$
7	Total PRIs	Number	Number of PRI channels (T1/E1 PRI) configured on Cisco CallManager platform.	$\geq 0$
8	Active PRIs	Number	Number of PRI channels (T1/E1 PRI) active at time stamp.	$\geq 0$ and $\leq$ total PRIs
9	Total T1 CAS	Number	Number of T1 CAS channels configured on Cisco CallManager platform.	$\geq 0$
10	Active T1 CAS	Number	Number of T1 CAS channels active at time stamp.	$\geq 0$ and $\leq$ total T1/E1
11	Total FXS	Number	Number of FXS ports configured on Cisco CallManager platform.	$\geq 0$
12	Active FXS	Number	Number of FXS ports active at time stamp.	$\geq 0$ and $\leq$ total FXS
13	Total FXO	Number	Number of FXO ports configured on Cisco CallManager platform.	$\geq 0$
14	Active FXO	Number	Number of FXO ports active at time stamp.	$\geq 0$ and $\leq$ total FXO
15	CPU 2 usage	Number	Measured percentage CPU utilization at time stamp for CPU 2 or asterisk (*) to indicate that CPU 2 is not present.	$\geq 0$ and $\leq 100$ or *
16	CPU 3 usage	Number	Measured percentage CPU utilization at time stamp for CPU 3 or asterisk (*) to indicate that CPU 3 is not present.	$\geq 0$ and $\leq 100$ or *
17	CPU 4 usage	Number	Measured number CPU utilization at time stamp for CPU 4 or asterisk (*) to indicate that CPU 4 is not present.	$\geq 0$ and $\leq 100$ or *
18	CPU 5 usage	Number	Measured percentage CPU utilization at time stamp for CPU 5 or asterisk (*) to indicate that CPU 5 is not present.	$\geq 0$ and $\leq 100$ or *
19	Total CPU usage	Number	Measured percentage CPU utilization at time stamp for all CPUs.	$\geq 0$
20	Total T1 PRI	Number	Number of T1 PRI channels configured on Cisco CallManager platform.	$\geq 0$
21	Active T1 PRI	Number	Number of T1 PRI channels that were active at time stamp.	$\geq 0$ and $\leq$ total T1 PRIs
22	Total E1 PRI	Number	Number of E1 PRI channels configured on Cisco CallManager platform.	$\geq 0$
23	Active E1 PRI	Number	Number of E1 PRI channels active at time stamp.	$\geq 0$ and $\leq$ total E1 PRIs

Table I-4 Format of Record Type 100 (continued)

Field Number	Field ID	Content	Description	Value
24	Total BRI	Number	Number of BRI channels configured on Cisco CallManager platform.	$\geq 0$
25	Active BRI	Number	Number of BRI channels active at time stamp.	$\geq 0$ and $\leq$ total BRIs
26	Calls attempted	Number	Number of calls attempted on this Cisco CallManager	$\geq 0$
27	Calls complete	Number	Number of calls completed on this Cisco CallManager	$\geq 0$
28	Calls in progress	Number	Number of calls in progress on this Cisco CallManager	$\geq 0$
29	Percentage active T1 CAS	Number	T1 CAS utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
30	Percentage FXS	Number	FXS port utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
31	Percentage FXO	Number	FXO port utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
32	Percentage active T1 PRI	Number	T1 PRI utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
33	Percentage active E1 PRI	Number	E1 PRI utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
34	Percentage active BRI	Number	BRI utilization at time stamp for this Cisco CallManager	$\geq 0$ and $\leq 100$
35	None	Null indicator	Not used.	*
<b>Note</b> Fields 36 and 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager-Controlled Gateway Port Usage—Record Type 101

This record contains the port usage for a Cisco CallManager-controlled MGCP gateway. MGCP gateways support the following ports:

- T1 PRI
- T1 CAS
- E1 PRI
- BRI
- FXS
- FXO

Table I-5 Format of Record Type 101

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 101.	101
2	Date	yyyymmdd	Mandatory: calendar date.	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time.	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway.	Example: sanjose-5720
5	Active calls	Null indicator	Not used. Cisco CallManager does not currently provide this information.	*
6	Total PRI	Number	Number of PRI channels (T1/E1 PRI) configured on the gateway.	$\geq 0$
7	Active PRI	Number	Number of PRI channels (T1/E1 PRI) active at time stamp.	$\geq 0$ and $\leq$ total PRIs
8	Total T1 CAS	Number	Number of T1 CAS channels configured on the gateway.	$\geq 0$
9	Active T1 CAS	Number	Number of T1 CAS channels active at time stamp.	$\geq 0$ and $\leq$ total T1 CAS
10	Total E1 CAS	Null indicator	Not used. Cisco CallManager does not currently support E1 CAS.	*
11	Active E1 CAS	Null indicator	Not used. Cisco CallManager does not currently support E1 CAS.	*
12	Total FXS	Number	Number of FXS ports configured on the gateway.	$\geq 0$
13	Active FXS	Number	Number of FXS ports active at time stamp.	$\geq 0$ and $\leq$ total FXS
14	Total FXO	Number	Number of FXO ports configured on the gateway.	$\geq 0$
15	Active FXO	Number	Number of FXO ports active at time stamp.	$\geq 0$ and $\leq$ total FXO
16	Cisco CallManager Name	Text	Data for the subject gateway was collected from this Cisco CallManager.	Example: CCM3
17	Total T1 PRI	Number	Number of T1 PRI channels configured on the gateway.	$\geq 0$
18	Active T1 PRI	Number	Number of T1 PRI channels active at time stamp.	$\geq 0$ and $\leq$ total T1 PRI
19	Total E1 PRI	Number	Number of E1 PRI channels configured on the gateway.	$\geq 0$
20	Active E1 PRI	Number	Number of E1 PRI channels active at time stamp.	$\geq 0$ and $\leq$ total E1 PRI
21	Total BRI	Number	Number of BRI channels configured on the MGCP gateway.	$\geq 0$
22	Active BRI	Number	Number of BRI channels active at time stamp.	$\geq 0$ and $\leq$ total BRIs
23	Active T1 CAS	Number	T1 CAS utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$



**Table I-5** Format of Record Type 101 (continued)

Field Number	Field ID	Content	Description	Value
24	Percentage active FXS	Number	FXS port utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$
25	Percentage active FXO	Number	FXO port utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$
26	Percentage active T1 PRI	Number	T1 PRI utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$
27	Percentage active E1 PRI	Number	E1 PRI utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$
28	Percentage active BRI	Number	BRI utilization at time stamp for the Cisco CallManager-controlled gateway	$\geq 0$ and $\leq 100$
29	None	Null indicator	Not used	*
<b>Note</b> Fields 30 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco IOS Gateway Port Usage—Record Type 102

This record contains the port usage for Cisco IOS gateways. Cisco IOS gateways support the following ports:

- T1/E1 PRI
- T1/E1 CAS
- FXO
- FXS
- E&M
- BRI

For additional information, see [Notes on Record Type 102, page I-11](#).

**Table I-6** Format of Record Type 102

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 102	102
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	Active call legs <sup>1</sup>	Number	Number of call legs active at time stamp	$\geq 0$
6	Total T1 PRI <sup>1</sup>	Number	Number of T1 PRI channels configured on Cisco IOS gateway	$\geq 0$

Table I-6 Format of Record Type 102 (continued)

Field Number	Field ID	Content	Description	Value
7	Active voice T1 PRI <sup>1</sup>	Number	Number of T1 PRI channels active with voice calls at time stamp	$\geq 0$ and $\leq$ total T1 PRI
8	Total T1 CAS <sup>1</sup>	Number	Number of T1 CAS channels configured on Cisco IOS gateway	$\geq 0$
9	Active voice T1 CAS	Number	Number of T1 CAS channels active with voice calls at time stamp	$\geq 0$ and $\leq$ total T1 CAS
10	Total E1 CAS <sup>1</sup>	Number	Number of E1 CAS channels configured on Cisco IOS gateway	$\geq 0$
11	Active voice E1 CAS	Number	Number of E1 CAS channels active with voice calls at time stamp	$\geq 0$ and $\leq$ total E1 CAS
12	Total FXS	Number	Number of FXS ports configured on Cisco IOS gateway	$\geq 0$
13	Active FXS	Number	Number of FXS ports active at time stamp	$\geq 0$ and $\leq$ total FXS
14	Total FXO	Number	Number of FXO ports configured on Cisco IOS gateway	$\geq 0$
15	Active FXO	Number	Number of FXO ports active at time stamp	$\geq 0$ and $\leq$ total FXO
16	Total BRI	Number	Number of BRI channels active with voice calls at time stamp	$\geq 0$
17	Active voice BRI <sup>1</sup>	Number	Number of BRI channels active with voice calls at time stamp	$\geq 0$ and $\leq$ total BRI
18	Total E&M	Number	Number of E&M ports configured on Cisco IOS gateway	$\geq 0$
19	Active E&M	Number	Number of E&M ports active at time stamp	$\geq 0$ and $\leq$ total E&M
20	Total E1 PRI <sup>1</sup>	Number	Number of E1 PRI channels configured on Cisco IOS gateway	$\geq 0$
21	Active voice E1 PRI <sup>1</sup>	Number	Number of E1 PRI channels active with voice calls at time stamp	$\geq 0$ and $\leq$ total E1 PRI
22	Active nonvoice E1 PRI <sup>1</sup>	Number	Number of E1 PRI channels active with nonvoice calls at time stamp	$\geq 0$ and $\leq$ total E1 PRI
23	Active nonvoice T1 PRI <sup>1</sup>	Number	Number of T1 PRI channels active with nonvoice calls at time stamp	$\geq 0$ and $\leq$ total T1 PRI
24	Active nonvoice T1 CAS	Number	Number of T1 CAS channels active with nonvoice calls at time stamp	$\geq 0$ and $\leq$ total T1 CAS
25	Active nonvoice E1 CAS	Number	Number of E1 CAS channels active with nonvoice calls at time stamp	$\geq 0$ and $\leq$ total E1 PCAS
26	Active nonvoice BRI <sup>1</sup>	Number	Number of BRI channels active with nonvoice calls at time stamp	$\geq 0$ and $\leq$ total BRI
27	Percentage active Voice T1 PRI	Number	T1 PRI voice utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$

Table I-6 Format of Record Type 102 (continued)

Field Number	Field ID	Content	Description	Value
28	Percentage active voice E1 PRI	Number	E1 PRI voice utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
29	Percentage active voice T1 CAS	Number	T1 CAS voice utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
30	Percentage active voice E1 CAS	Number	E1 CAS voice utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
31	Percentage active FXS	Number	FXS port utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
32	Percentage active FXO	Number	FXO port utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
33	Percentage active voice BRI	Number	BRI voice utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
34	Percentage active E&M	Number	E&M port utilization at time stamp for the Cisco IOS gateway	$\geq 0$ and $\leq 100$
35	None	Null indicator	Not used	*
<b>Note</b> Fields 36 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

1. For information relevant to this field, see [Notes on Record Type 102, page I-11](#).

## Notes on Record Type 102

These notes explain some apparent discrepancies you might notice when you analyze the data in record type 102.

Table I-7 Record Type 102 Notes

Note	Affected Field Numbers	Circumstances
Total number of T1/E1 PRI channels differ by type of device.	6 and 20	For supported Cisco Universal Gateways: Total number of T1/E1 PRI channels = Total B channels + 1 D channel per T1/E1 PRI port  For supported devices other than Cisco Universal Gateways: Total number of T1/E1 PRI channels = Total B channels
Total number of T1/E1 CAS channels differ by type of device.	8 and 10	For supported Cisco Universal Gateways, the total T1/E1 CAS channels equal the number of CAS channels configured on the device.  For devices other than Cisco Universal Gateways: Total T1 CAS channels = 24 per port Total E1 CAS channels = 31 per port

Table I-7 Record Type 102 Notes (continued)

Note	Affected Field Numbers	Circumstances
There can be a discrepancy between active call legs and either of the following: <ul style="list-style-type: none"> <li>Active T1/E1 PRI channels</li> <li>Active BRI channels</li> </ul>	5, 7, 17, 21, 22, 23, and 26	Sometimes BRI or PRI channels are active but the number of active call legs does not include them.
There can be a discrepancy between active call legs and active T1/E1 CAS channels.	9 and 11	Sometimes CAS channels are active but the number of active call legs does not include them.

## Channelized T1 DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 103

This record contains the trunk status for each channelized T1. There can be multiple records for a device with one record per T1 CAS port in the Cisco CallManager-controlled MGCP gateway.

Table I-8 Format of Record Type 103

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 103	103
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway	Example: sanjose-5720
5	DS1 name	Text	Mandatory: name of subject DS1	Example: T1-DS1
6	Channel 1 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
7	Channel 2 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
8	Channel 3 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
9	Channel 4 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
10	Channel 5 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
11	Channel 6 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
12	Channel 7 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
13	Channel 8 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$

Table I-8 Format of Record Type 103 (continued)

Field Number	Field ID	Content	Description	Value
14	Channel 9 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
15	Channel 10 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
16	Channel 11 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
17	Channel 12 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
18	Channel 13 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
19	Channel 14 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
20	Channel 15 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
21	Channel 16 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
22	Channel 17 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
23	Channel 18 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
24	Channel 19 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
25	Channel 20 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
26	Channel 21 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
27	Channel 22 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
28	Channel 23 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
29	Channel 24 status	Number	0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
30	None	Null indicator	Not used	*
<b>Note</b> Fields 31 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Record Type 104—Not Used



**Note** Record Type 104 is reserved for future use.

## Cisco Digital PBX Adapter Port and CPU Usage—Record Type 105

This record contains Cisco Digital PBX Adapter (DPA) port usage: number of voice mail and PBX ports, their usage, and number of unassigned ports. The record also contains CPU usage; DPA supports a single CPU.

**Table I-9**      *Format of Record Type 105*

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 105	105
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	DPA name	Text	Mandatory: name of subject Cisco DPA	Example: sanjose-5720
5	Measured 5-second CPU utilization	Number	Overall CPU-busy percentage in the last 5-second period; recorded at time stamp	$\geq 0$ and $\leq 100$
6	Measured 1-minute CPU utilization	Number	Overall CPU-busy percentage in the last 1-minute period; recorded at time stamp	$\geq 0$ and $\leq 100$
7	Measured 5-minute CPU utilization	Number	Overall CPU-busy percentage in the last 5-minute period; recorded at time stamp	$\geq 0$ and $\leq 100$
8	Total voice mail ports	Number	Number of voice mail ports on DPA	$\geq 0$
9	Total active voice mail ports	Number	Number of voice mail ports active at time stamp	$\geq 0$ and $\leq$ total voice mail ports
10	Total PBX ports	Number	Number of PBX ports on DPA	$\geq 0$
11	Total active PBX ports	Number	Number of PBX ports active at time stamp	$\geq 0$ and $\leq$ total PBX ports
12	Unassigned ports	Number	Number of DPA ports not in use	$\geq 0$
13	Percentage active voice mail Ports	Number	Voice mail port utilization at time stamp for the DPA	$\geq 0$ and $\leq 100$
14	Percentage active PBX ports	Number	PBX port utilization at time stamp for the DPA	$\geq 0$ and $\leq 100$
15	None	Null indicator	Not used	*
<b>Note</b> Fields 16 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco IOS Gatekeeper Zone Usage—Record Type 106

This record contains gatekeeper zone information including bandwidth, error, and usage. A gatekeeper can have multiple records, with one record per zone configured in the gatekeeper.

Table I-10 Format of Record Type 106

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 106.	106
2	Date	yyyymmdd	Mandatory: calendar date.	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time.	Example: 230000
4	Gatekeeper name	Text	Mandatory: name of subject gatekeeper.	Example: gw1@cisco.com
5	Zone name	Text	Mandatory: name of subject zone.	Example: 127.in-addr.arpa
6	Zone domain	Text	Mandatory: name of subject zone domain.	Example: cisco.com
7	Total bandwidth	Number	Total bandwidth in 100 bps configured for local zone, or one of the following: -1=bandwidth limitation not set. *=field is not applicable (when record is for a remote zone).	$\geq 0$ , or -1, or *
8	Allocated bandwidth	Number	Bandwidth in 100 bps allocated to calls at time stamp for local zone, or asterisk (*) to indicate that the field is not applicable (when record is for a remote zone).	$\geq 0$ and $\leq$ total bandwidth, or *
9	Total inter-zone bandwidth	Number	Total interzone bandwidth in 100 bps configured for local zone, or one of the following: -1=bandwidth limitation not set. *=field is not applicable (when record is for a remote zone).	$\geq 0$ and $\leq$ total bandwidth, or -1, or *
10	Allocated inter-zone bandwidth	Number	Bandwidth in 100 bps allocated to calls for the local zone, or asterisk (*) to indicate that the field is not applicable (when record is for a remote zone).	$\geq 0$ and $\leq$ total interzone bandwidth, or *
11	arjs	Number	Cumulative number of admission rejections for local zone, or asterisk (*) to indicate that the field is not applicable (when record is for a remote zone).	$\geq 0$
12	acfs	Number	Cumulative number of admission confirms for local zone, or asterisk (*) to indicate that the field is not applicable (when record is for a remote zone).	$\geq 0$ or *
13	lrqs	Number	Cumulative number of location requests for remote zone, or asterisk (*) to indicate that the field is not applicable (when record is for a local zone).	$\geq 0$ or *
14	Address lookup failures	Number	Cumulative number of times the gatekeeper is unable to resolve an address.	$\geq 0$
15	End-point timeouts	Number	Cumulative number of times the time to live has expired for an endpoint in this zone.	$\geq 0$

Table I-10 Format of Record Type 106 (continued)

Field Number	Field ID	Content	Description	Value
16	Other failures	Number	Cumulative number of call attempts which have failed for reasons other than endpoint timeouts or address lookup failures.	$\geq 0$
17	Zone type	Text	Mandatory: indicates whether the zone is local or remote.	local or remote
18	Bandwidth utilization	Number	Bandwidth utilization at time stamp for the local zone	$\geq 0$ and $\leq 100$
19	Interzone bandwidth utilization	Number	Interzone bandwidth utilization at time stamp for the local zone	$\geq 0$ and $\leq 100$
20	None	Null indicator	Not used.	*
<b>Note</b> Fields 21 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco IOS Device CPU Usage—Record Type 107

This record contains the CPU utilization data for Cisco IOS devices of the following device types:

- Gateways and gatekeepers
- SRST devices
- Cisco Unity Express
- Cisco CallManager Express

The record allows for a maximum of five CPUs.

Table I-11 Format of Record Type 107

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 107.	107
2	Date	yyyymmdd	Mandatory: calendar date.	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time.	Example: 230000
4	Cisco IOS device name	Text	Mandatory: name of subject Cisco IOS device.	Example: gw1@cisco.com
5	CPU 1 measured 5-second utilization	Number	Overall CPU-busy percentage for CPU 1 in the last 5-second period; recorded at time stamp.	$\geq 0$ and $\leq 100$
6	CPU 1 measured 1-minute utilization	Number	Overall CPU-busy percentage for CPU 1 in the last 1-minute period; recorded at time stamp.	$\geq 0$ and $\leq 100$
7	CPU 1 measured 5-minute utilization	Number	Overall CPU-busy percentage for CPU 1 in the last 5-minute period; recorded at time stamp.	$\geq 0$ and $\leq 100$



Table I-11 Format of Record Type 107 (continued)

Field Number	Field ID	Content	Description	Value
8	CPU 2 measured 5-second utilization	Number	Overall CPU-busy percentage for CPU 2 in the last 5-second period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 2 is not present.	$\geq 0$ and $\leq 100$
9	CPU 2 measured 1-minute utilization	Number	Overall CPU-busy percentage for CPU 2 in the last 1-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 2 is not present.	$\geq 0$ and $\leq 100$
10	CPU 2 measured 5-minute utilization	Number	Overall CPU-busy percentage for CPU 2 in the last 5-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 2 is not present.	$\geq 0$ and $\leq 100$
11	CPU 3 measured 5-second utilization	Number	Overall CPU-busy percentage for CPU 3 in the last 5-second period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 3 is not present.	$\geq 0$ and $\leq 100$
12	CPU 3 measured 1-minute utilization	Number	Overall CPU-busy percentage for CPU 3 in the last 1-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 3 is not present.	$\geq 0$ and $\leq 100$
13	CPU 3 measured 5-minute utilization	Number	Overall CPU-busy percentage for CPU 3 in the last 5-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 3 is not present.	$\geq 0$ and $\leq 100$
14	CPU 4 measured 5-second utilization	Number	Overall CPU-busy percentage for CPU 4 in the last 5-second period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 4 is not present.	$\geq 0$ and $\leq 100$
15	CPU 4 measured 1-minute utilization	Number	Overall CPU-busy percentage for CPU 4 in the last 1-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 4 is not present.	$\geq 0$ and $\leq 100$
16	CPU 4 measured 5-minute utilization	Number	Overall CPU-busy percentage for CPU 4 in the last 5-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 4 is not present.	$\geq 0$ and $\leq 100$
17	CPU 5 measured 5-second utilization	Number	Overall CPU-busy percentage for CPU 5 in the last 5-second period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 5 is not present.	$\geq 0$ and $\leq 100$
18	CPU 5 measured 1-minute utilization	Number	Overall CPU-busy percentage for CPU 5 in the last 1-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 5 is not present.	$\geq 0$ and $\leq 100$

Table I-11 Format of Record Type 107 (continued)

Field Number	Field ID	Content	Description	Value
19	CPU 5 measured 5-minute utilization	Number	Overall CPU-busy percentage for CPU 5 in the last 5-minute period; recorded at time stamp. Asterisk (*) in this field indicates that CPU 5 is not present.	$\geq 0$ and $\leq 100$
20	None	Null indicator	Not used.	*
<b>Note</b> Fields 21 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco Device Memory Usage—Record Type 108

This record contains the memory usage information for any of the following:

- Cisco CallManager Express
- Cisco IOS gateway or gatekeeper
- Cisco Unity Express
- SRST devices
- Cisco IOS gateways and gatekeepers.

The record includes memory usage in bytes for each of the following types of memory:

- Processor
- I/O
- PCI
- Fast
- Multibus

Table I-12 Format of Record Type 108

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 108	108
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS device name	Text	Mandatory: name of subject device	Example: gw1@cisco.com
5	Processor used memory	Number	Amount of memory in bytes	$\geq 0$
6	Processor free memory	Number	Amount of memory in bytes	$\geq 0$
7	Processor largest free	Number	Amount of memory in bytes	$\geq 0$

Table I-12 Format of Record Type 108 (continued)

Field Number	Field ID	Content	Description	Value
8	I/O used memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that I/O memory is not present	$\geq 0$ or *
9	I/O free memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that I/O memory is not present	$\geq 0$ or *
10	I/O largest free	Number	Amount of memory in bytes, or asterisk (*) to indicate that I/O memory is not present	$\geq 0$ or *
11	PCI used memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that PCI memory is not present	$\geq 0$ or *
12	PCI free memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that PCI memory is not present	$\geq 0$ or *
13	PCI largest free	Number	Amount of memory in bytes, or asterisk (*) to indicate that PCI memory is not present	$\geq 0$ or *
14	Fast used memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that fast memory is not present	$\geq 0$ or *
15	Fast free memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that fast memory is not present	$\geq 0$ or *
16	Fast largest free	Number	Amount of memory in bytes, or asterisk (*) to indicate that fast memory is not present	$\geq 0$ or *
17	Multibus used memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that multibus memory is not present	$\geq 0$ or *
18	Multibus free memory	Number	Amount of memory in bytes, or asterisk (*) to indicate that multibus memory is not present	$\geq 0$ or *
19	Multibus largest free	Number	Amount of memory in bytes, or asterisk (*) to indicate that multibus memory is not present	$\geq 0$ or *
20	Processor memory utilization	Number	Percentage processor memory utilization	$\geq 0$ and $\leq 100$
21	I/O memory utilization	Number	Percentage I/O memory utilization	$\geq 0$ and $\leq 100$
22	None	Null indicator	Not used	*
<b>Note</b>	Fields 23 through 37 are not used and contain the null indicator “*”.			
38	None	Null indicator	Reserved	*

## Cisco IOS Gateway Digital Signal Processor Usage—Record Type 109

This record contains the digital signal processor (DSP) usage information on Cisco IOS gateways. A device can have multiple records, with one record per DSP.



### Note

Operations Manager does not write record type 109 for the following devices:

- Cisco 1700 Series Access Routers
- Cisco MC3810 Multiservice Access Concentrators

- Cisco Series 7500 Routers
- VG200 Voice Gateway

Table I-13 Format of Record Type 109

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 109	109
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	Entity index	Number	An index assigned to the DSP	≥ 0
6	State	Number	1=active, 2=shutdown	1 or 2
7	Total channels	Number	Number of channels on DSP	≥ 0
8	Active channels	Number	Number of channels on DSP that are active at time stamp	≥ 0 and ≤ total DSP channels
9	In use channels	Number	Number of channels reserved for serving calls	≥ 0 and ≤ total DSP channels
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## T1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 110

This record contains the trunk status for each T1 channel configured for ISDN PRI. A device can have multiple records, with one record per T1 PRI port in the Cisco CallManager-controlled MGCP gateway.

Table I-14 Format of Record Type 110

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 110	110
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway	Example: sanjose-5720
5	DS1 name	Text	Mandatory: name of subject DS1	Example: T1-DS1
6	Channel 1 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	≥ 0 and ≤ 4

Table I-14 Format of Record Type 110 (continued)

Field Number	Field ID	Content	Description	Value
7	Channel 2 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
8	Channel 3 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
9	Channel 4 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
10	Channel 5 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
11	Channel 6 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
12	Channel 7 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
13	Channel 8 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
14	Channel 9 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
15	Channel 10 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
16	Channel 11 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
17	Channel 12 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
18	Channel 13 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
19	Channel 14 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
20	Channel 15 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$

Table I-14 Format of Record Type 110 (continued)

Field Number	Field ID	Content	Description	Value
21	Channel 16 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
22	Channel 17 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
23	Channel 18 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
24	Channel 19 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
25	Channel 20 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
26	Channel 21 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
27	Channel 22 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
28	Channel 23 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
29	Channel 24 status	Number	D channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
30	None	Null indicator	Not used	*
<b>Note</b> Fields 31 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## E1 PRI DS0 Channel Status for Cisco CallManager-Controlled Gateways—Record Type 111

This record contains the trunk status for each E1 channel configured for ISDN PRI. There can be multiple records for a device with one record per E1 port in the Cisco CallManager-controlled MGCP gateway.

Table I-15 Format of Record Type 111

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 111	111
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway	Example: sanjose-5720
5	DS1 name	Text	Mandatory: name of subject DS1	Example: E1-PRI-D1
6	Channel 1 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
7	Channel 2 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
8	Channel 3 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
9	Channel 4 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
10	Channel 5 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
11	Channel 6 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
12	Channel 7 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
13	Channel 8 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
14	Channel 9 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
15	Channel 10 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
16	Channel 11 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
17	Channel 12 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$

Table I-15 Format of Record Type 111 (continued)

Field Number	Field ID	Content	Description	Value
18	Channel 13 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
19	Channel 14 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
20	Channel 15 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
21	Channel 16 status	Number	D channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
22	Channel 17 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
23	Channel 18 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
24	Channel 19 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
25	Channel 20 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
26	Channel 21 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
27	Channel 22 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
28	Channel 23 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
29	Channel 24 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
30	Channel 25 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
31	Channel 26 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$



Table I-15 Format of Record Type 111 (continued)

Field Number	Field ID	Content	Description	Value
32	Channel 27 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
33	Channel 28 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
34	Channel 29 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
35	Channel 30 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
36	Channel 31 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	$\geq 0$ and $\leq 4$
37	None	Null indicator	Not used	*
38	None	Null indicator	Not used	*

## Channelized T1 CAS DS0 Channel Status for Cisco IOS Gateways—Record Type 112

This record contains the trunk status for each channelized T1. A device can have multiple records, with one record per T1 CAS port in the Cisco IOS gateway.


**Note**

Operations Manager writes record type 112 for supported Cisco Universal Gateways only.

Table I-16 Format of Record Type 112

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 112	112
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	DS1 name	Text	Mandatory: name of subject DS1	Example: E1-CAS-D1

Table I-16 Format of Record Type 112 (continued)

Field Number	Field ID	Content	Description	Value
6	Channel 1 status	Number	200=idle, 300=unknown, 301=other, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched, 310=fax, 312=unknown, 313=analog, 314=digital, 315=v110, 316=v120	200, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 312, 313, 314, 315, or 316
7	Channel 2 status	Number	See field number 6	See field number 6
8	Channel 3 status	Number	See field number 6	See field number 6
9	Channel 4 status	Number	See field number 6	See field number 6
10	Channel 5 status	Number	See field number 6	See field number 6
11	Channel 6 status	Number	See field number 6	See field number 6
12	Channel 7 status	Number	See field number 6	See field number 6
13	Channel 8 status	Number	See field number 6	See field number 6
14	Channel 9 status	Number	See field number 6	See field number 6
15	Channel 10 status	Number	See field number 6	See field number 6
16	Channel 11 status	Number	See field number 6	See field number 6
17	Channel 12 status	Number	See field number 6	See field number 6
18	Channel 13 status	Number	See field number 6	See field number 6
19	Channel 14 status	Number	See field number 6	See field number 6
20	Channel 15 status	Number	See field number 6	See field number 6
21	Channel 16 status	Number	See field number 6	See field number 6
22	Channel 17 status	Number	See field number 6	See field number 6
23	Channel 18 status	Number	See field number 6	See field number 6
24	Channel 19 status	Number	See field number 6	See field number 6
25	Channel 20 status	Number	See field number 6	See field number 6
26	Channel 21 status	Number	See field number 6	See field number 6
27	Channel 22 status	Number	See field number 6	See field number 6
28	Channel 23 status	Number	See field number 6	See field number 6
29	Channel 24 status	Number	See field number 6	See field number 6
30	None	Null indicator	Not used	*
<b>Note</b> Fields 31 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Channelized E1 CAS DS0 Channel Status for Cisco IOS Gateways—Record Type 113

This record contains the trunk status for each channelized E1. A device can have multiple records, with one record per E1 CAS port in the Cisco IOS gateway.


**Note**

Operations Manager writes record type 113 for supported Cisco Universal Access Gateways only.

**Table I-17**      **Format of Record Type 113**

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 113	113
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	DS1 name	Text	Mandatory: name of subject DS1	Example: E1-CAS-D1
6	Channel 1 status	Number	200=idle, 300=unknown, 301=other, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched, 310=fax, 312=unknown, 313=analog, 314=digital, 315=v110, 316=v120	200, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 312, 313, 314, 315, or 316
7	Channel 2 status	Number	See field number 6	See field number 6
8	Channel 3 status	Number	See field number 6	See field number 6
9	Channel 4 status	Number	See field number 6	See field number 6
10	Channel 5 status	Number	See field number 6	See field number 6
11	Channel 6 status	Number	See field number 6	See field number 6
12	Channel 7 status	Number	See field number 6	See field number 6
13	Channel 8 status	Number	See field number 6	See field number 6
14	Channel 9 status	Number	See field number 6	See field number 6
15	Channel 10 status	Number	See field number 6	See field number 6
16	Channel 11 status	Number	See field number 6	See field number 6
17	Channel 12 status	Number	See field number 6	See field number 6
18	Channel 13 status	Number	See field number 6	See field number 6
19	Channel 14 status	Number	See field number 6	See field number 6
20	Channel 15 status	Number	See field number 6	See field number 6
21	Channel 16 status	Number	See field number 6	See field number 6
22	Channel 17 status	Number	See field number 6	See field number 6
23	Channel 18 status	Number	See field number 6	See field number 6

Table I-17 Format of Record Type 113 (continued)

Field Number	Field ID	Content	Description	Value
24	Channel 19 status	Number	See field number 6	See field number 6
25	Channel 20 status	Number	See field number 6	See field number 6
26	Channel 21 status	Number	See field number 6	See field number 6
27	Channel 22 status	Number	See field number 6	See field number 6
28	Channel 23 status	Number	See field number 6	See field number 6
29	Channel 24 status	Number	See field number 6	See field number 6
30	Channel 25 status	Number	See field number 6	See field number 6
31	Channel 26 status	Number	See field number 6	See field number 6
32	Channel 27 status	Number	See field number 6	See field number 6
33	Channel 28 status	Number	See field number 6	See field number 6
34	Channel 29 status	Number	See field number 6	See field number 6
35	Channel 30 status	Number	See field number 6	See field number 6
36	Channel 31 status	Number	See field number 6	See field number 6
37	None	Null indicator	Not used	*
38	None	Null indicator	Not used	*

## T1 PRI DS0 Channel Status for Cisco IOS Gateways—Record Type 114

This record contains the trunk status for each T1 channel configured for ISDN PRI. A device can have multiple records, with one record per T1 PRI port in the Cisco IOS gateway.

Table I-18 Format of Record Type 114

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 114	114
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	DS1 name	Text	Mandatory: name of subject DS1	Example: E1-PRI-D1
6	Channel 1 status	Number	B channel 200=idle, 300=unknown, 301=other, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched, 310=fax, 312=unknown, 313=analog, 314=digital, 315=v110, 316=v120	200, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 312, 313, 314, 315, or 316

Table I-18 Format of Record Type 114 (continued)

Field Number	Field ID	Content	Description	Value
7	Channel 2 status	Number	B channel See field number 6	See field number 6
8	Channel 3 status	Number	B channel See field number 6	See field number 6
9	Channel 4 status	Number	B channel See field number 6	See field number 6
10	Channel 5 status	Number	B channel See field number 6	See field number 6
11	Channel 6 status	Number	B channel See field number 6	See field number 6
12	Channel 7 status	Number	B channel See field number 6	See field number 6
13	Channel 8 status	Number	B channel See field number 6	See field number 6
14	Channel 9 status	Number	B channel See field number 6	See field number 6
15	Channel 10 status	Number	B channel See field number 6	See field number 6
16	Channel 11 status	Number	B channel See field number 6	See field number 6
17	Channel 12 status	Number	B channel See field number 6	See field number 6
18	Channel 13 status	Number	B channel See field number 6	See field number 6
19	Channel 14 status	Number	B channel See field number 6	See field number 6
20	Channel 15 status	Number	B channel See field number 6	See field number 6
21	Channel 16 status	Number	B channel See field number 6	See field number 6
22	Channel 17 status	Number	B channel See field number 6	See field number 6
23	Channel 18 status	Number	B channel See field number 6	See field number 6
24	Channel 19 status	Number	B channel See field number 6	See field number 6
25	Channel 20 status	Number	B channel See field number 6	See field number 6
26	Channel 21 status	Number	B channel See field number 6	See field number 6

Table I-18 Format of Record Type 114 (continued)

Field Number	Field ID	Content	Description	Value
27	Channel 22 status	Number	B channel See field number 6	See field number 6
28	Channel 23 status	Number	B channel See field number 6	See field number 6
29	Channel 24 status	Number	D channel <b>Note</b> D channel status is available for Cisco Universal Gateways only. See field number 6	See field number 6
30	None	Null indicator	Not used	*
<b>Note</b> Fields 31 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## E1 PRI DS0 Channel Status for Cisco IOS Gateways—Record Type 115

This record contains the trunk status for each E1 channel configured for ISDN PRI. A device can have multiple records, with one record per E1 PRI port in the Cisco IOS gateway.

Table I-19 Format of Record Type 115

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 115	115
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject Cisco IOS gateway	Example: gw1@cisco.com
5	DS1 name	Text	Mandatory: name of subject DS1	Example: E1-PRI-D1
6	Channel 1 status	Number	B channel 200=idle, 300=unknown, 301=other, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched, 310=fax, 312=unknown, 313=analog, 314=digital, 315=v110, 316=v120	200, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 312, 313, 314, 315, or 316
7	Channel 2 status	Number	B channel See field number 6	See field number 6
8	Channel 3 status	Number	B channel See field number 6	See field number 6
9	Channel 4 status	Number	B channel See field number 6	See field number 6

Table I-19 Format of Record Type 115 (continued)

Field Number	Field ID	Content	Description	Value
10	Channel 5 status	Number	B channel See field number 6	See field number 6
11	Channel 6 status	Number	B channel See field number 6	See field number 6
12	Channel 7 status	Number	B channel See field number 6	See field number 6
13	Channel 8 status	Number	B channel See field number 6	See field number 6
14	Channel 9 status	Number	B channel See field number 6	See field number 6
15	Channel 10 status	Number	B channel See field number 6	See field number 6
16	Channel 11 status	Number	B channel See field number 6	See field number 6
17	Channel 12 status	Number	B channel See field number 6	See field number 6
18	Channel 13 status	Number	B channel See field number 6	See field number 6
19	Channel 14 status	Number	B channel See field number 6	See field number 6
20	Channel 15 status	Number	B channel See field number 6	See field number 6
21	Channel 16 status	Number	D channel  <b>Note</b> D channel status is available for Cisco Universal Gateways only.  See field number 6	See field number 6
22	Channel 17 status	Number	B channel See field number 6	See field number 6
23	Channel 18 status	Number	B channel See field number 6	See field number 6
24	Channel 19 status	Number	B channel See field number 6	See field number 6
25	Channel 20 status	Number	B channel See field number 6	See field number 6
26	Channel 21 status	Number	B channel See field number 6	See field number 6
27	Channel 22 status	Number	B channel See field number 6	See field number 6
28	Channel 23 status	Number	B channel See field number 6	See field number 6

Table I-19 Format of Record Type 115 (continued)

Field Number	Field ID	Content	Description	Value
29	Channel 24 status	Number	B channel See field number 6	See field number 6
30	None	Null indicator	Not used	*
<b>Note</b> Fields 31 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## BRI Channel Status for Cisco CallManager-Controlled Gateways—Record Type 116

This record contains the channel status for each BRI configured on a Cisco CallManager-controlled gateway. A device can have multiple records, with one record per BRI port in the Cisco CallManager-controlled gateway.

Table I-20 Format of Record Type 116

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 116	116
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway	Example: sanjose-5720
5	DS1 name	Text	Mandatory: name of subject DS1	Example: BRI-DS1
6	Channel 1 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	≥ 0 and ≤ 4
7	Channel 2 status	Number	B channel 0=unknown, 1=out-of-service, 2=idle, 3=busy, 4=reserved	≥ 0 and ≤ 4
8	Channel 3 status	Number	D channel 0=out-of-service, 1=in-service	0 or 1
9	None	Null indicator	Not used	*
<b>Note</b> Fields 10 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## BRI Channel Status for Cisco IOS Gateways—Record Type 117

This record contains the channel status for each BRI configured on a Cisco IOS gateway. A device can have multiple records, with one record per BRI port in the Cisco IOS Gateway.



**Table I-21** Format of Record Type 117

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 117	117
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject gateway	Example: gw1@cisco.com
5	DS1 name	Text	Mandatory: name of subject DS1	Example: BRI-DS1
6	B channel 1 status	Number	200=idle, 300=unknown, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched	200, 300, 302, 303, 304, 305, 306, 307, 308, 309
7	B channel 2 status	Number	200=idle, 300=unknown, 302=voice, 303=unrestrictedDigital, 304=unrestrictedDigital56, 305=restrictedDigital, 306=audio31, 307=audio7, 308=video, 309=packetSwitched	200, 300, 302, 303, 304, 305, 306, 307, 308, 309
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco Unity Express Mailbox Usage—Record Type 118

This record contains Cisco Unity Express mailbox usage.

**Table I-22** Format of Record Type 118

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 118	118
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco Unity Express name	Text	Mandatory: name of subject Cisco Unity Express	ASCII characters
5	None	Null indicator	Not used	*
6	Total memory	Null indicator	Not used—Reserved for total RAM (Kb)	*
7	Available memory	Null indicator	Not used—Reserved for a available RAM (Kb)	*
8	Memory utilization	Null indicator	Not used—Reserved for percentage RAM utilization	*
9	Licensed mailboxes	Number	Maximum number of mailboxes permitted by license	≥ 0

Table I-22 Format of Record Type 118 (continued)

Field Number	Field ID	Content	Description	Value
10	Orphaned mailboxes	Number	Number of mailboxes orphaned at time stamp	$\geq 0$ and $\leq$ licensed mailboxes
11	Percentage orphaned mailboxes	Number	Percentage of licensed mailboxes that are orphaned at time stamp	$\geq 0$ and $\leq 100$
12	Maximum sessions	Number	Maximum number of sessions configured on Cisco Unity Express	$\geq 0$
13	Used sessions	Number	Number of sessions in use at time stamp	$\geq 0$ and $\leq$ maximum sessions
14	Session utilization	Number	Percentage of maximum sessions in use at time stamp	$\geq 0$ and $\leq 100$
15	Licensed capacity	Number	Number of minutes of storage permitted by license	$\geq 0$
16	Allocated capacity	Number	Cumulative number of minutes of storage allocated to mailboxes	$\geq 0$ and $\leq$ allocated capacity
17	Used capacity	Number	Cumulative number of minutes of storage used by mailboxes	$\geq 0$ and $\leq$ allocated capacity
18	Capacity used for messages	Number	Cumulative number of minutes of storage used for storing messages	$\geq 0$ and $\leq$ allocated capacity
19	Free capacity	Number	Number of minutes of storage available	$\geq 0$ and $\leq$ licensed capacity
20	Capacity utilization	Number	Percentage of storage in use at time stamp	$\geq 0$ and $\leq 100$
21	Current messages	Number	Cumulative number of messages stored in mailboxes at time stamp	$\geq 0$
22	Current saved messages	Number	Cumulative number of saved messages in mailboxes at time stamp	$\geq 0$
23	Total messages left since last boot	Number	Cumulative number of messages left in mailboxes since last reboot of Cisco Unity Express	$\geq 0$
24	Total messages retrieved since last boot	Number	Cumulative number of messages retrieved in mailboxes since last reboot of Cisco Unity Express	$\geq 0$
25	Total messages deleted since last boot	Number	Cumulative number of messages deleted from mailboxes since last reboot of Cisco Unity Express	$\geq 0$
26	Busy mailboxes	Number	Number of busy mailboxes	$\geq 0$
27	Mailboxes above 90% full	Number	Number of mailboxes that are 90% or more full	$\geq 0$
28	None	Null indicator	Not used	*
<b>Note</b>	Fields 29 through 37 are not used and contain the null indicator “*”.			
38	None	Null indicator	Reserved	*

## Cisco CallManager Express Ephone and Key Ephone Usage—Record Type 119

This record contains Cisco Call Manager Express ephone and key ephone usage information.

**Table I-23** Format of Record Type 119

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 119	119
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager Express name	Text	Mandatory: name of subject Cisco CallManager Express	
5	Ephone active call legs	Number	Number of ephone call legs active at time stamp	$\geq 0$
6	Maximum ephones	Number	Maximum number of ephones that can be configured on the Cisco CallManager Express	$\geq 0$
7	Ephones registered	Number	Number of ephones registered at time stamp	$\geq 0$ and $\leq$ maximum ephones
8	Percentage ephones registered	Number	Percentage of ephones that are registered	$\geq 0$ and $\leq 100$
9	Key ephones configured	Number	Number of key ephones configured	$\geq 0$
10	Key ephones registered	Number	Number of key ephones registered	$\geq 0$ and $\leq$ key ephones configured
11	Percentage key ephones registered	Number	Percentage of configured key ephones that are registered	$\geq 0$ and $\leq 100$
12	Ephones seen	Number	Maximum number of sessions configured on the CUE	$\geq 0$
13	None	Null indicator	Not used	*
<b>Note</b> Fields 14 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco Survivable Remote Site Telephony Usage—Record Type 120

This record contains Cisco Survivable Remote Site Telephony (SRST) usage information.

**Table I-24** Format of Record Type 120

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 120	120
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000

Table I-24 Format of Record Type 120 (continued)

Field Number	Field ID	Content	Description	Value
4	SRST name	Text	Mandatory: name of subject SRST device	ASCII characters
5	Minutes in SRST mode	Number	Cumulative number of minutes the SRST device was in SRST mode	$\geq 0$
6	None	Null indicator	Not used	*

**Note** Fields 7 through 38 are not used and contain the null indicator “\*”.

## Cisco Unity Port Usage—Record Type 121

This record contains Cisco Unity usage information.

Table I-25 Format of Record Type 121

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 121	121
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco Unity name	Text	Mandatory: name of subject Cisco Unity	ASCII characters
5	Total ports	Number	Total number of ports	$\geq 0$
6	Active ports	Number	Number of ports active at time stamp	$\geq 0$ and $\leq$ total ports
7	Port utilization	Number	Percentage of total ports active at time stamp	$\geq 0$ and $\leq 100$
8	Total inbound ports	Number	Total number of inbound ports	$\geq 0$
9	Active inbound ports	Number	Number of active inbound ports at time stamp	$\geq 0$ and $\leq$ total inbound ports
10	Inbound port utilization	Number	Percentage of total inbound ports active at time stamp	$\geq 0$ and $\leq 100$
11	Total outbound ports	Number	Total outbound ports	$\geq 0$
12	Active outbound ports	Number	Number of active outbound ports at time stamp	$\geq 0$ and $\leq$ total outbound ports
13	Outbound port utilization	Number	Percentage of total outbound ports active at time stamp	$\geq 0$ and $\leq 100$
14	None	Null indicator	Not used	*

**Note** Fields 15 through 37 are not used and contain the null indicator “\*”.

38	None	Null indicator	Reserved	*
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## Consolidated DSP Usage for Cisco IOS Devices—Record Type 122

This record contains consolidated DSP usage information for Cisco IOS devices. There is one record per Cisco IOS device.

**Table I-26** Format of Record Type 122

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 122	122
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco IOS gateway name	Text	Mandatory: name of subject device	ASCII characters
5	Total DSP channels	Number	Total number of DSP channels on the device	$\geq 0$
6	Total active DSP channels	Number	Number of active DSP channels on the device at time stamp	$\geq 0$ and $\leq$ total DSP channels
7	Total DSP channels in use	Number	Number of DSP channels on the device that are reserved for serving calls	$\geq 0$ and $\leq$ total DSP channels
8	DSP channel utilization	Number	Percentage of DSP channels active on the device at time stamp	$\geq 0$ and $\leq 100$
9	None	Null indicator	Not used	*
<b>Note</b> Fields 10 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Usage 2—Record Type 123

This record contains Cisco CallManager resource utilization for software conference bridge, hardware conference bridge, MTP, MOH, and transcoder.

**Table I-27** Format of Record Type 123

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 123	123
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM
5	Total MOH multicast resources	Number	Total number of MOH multicast resources configured on the Cisco CallManager	$\geq 0$
6	Active MOH multicast resources	Number	Number of MOH multicast resources active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq$ total MOH multicast resources

Table I-27 Format of Record Type 123 (continued)

Field Number	Field ID	Content	Description	Value
7	Available MOH multicast resources	Number	Number of MOH multicast resources on the Cisco CallManager available at time stamp	$\geq 0$ and $\leq$ total MOH multicast resources
8	MOH multicast resource utilization	Number	Percentage of total MOH multicast resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
9	Total MOH unicast resources	Number	Total number of MOH unicast resources configured on the Cisco CallManager	$\geq 0$
10	Active MOH unicast resources	Number	Number of MOH unicast resources active at time stamp	$\geq 0$ and $\leq$ total MOH unicast resources
11	Available MOH unicast resources	Number	Number of MOH unicast resources on the Cisco CallManager available at time stamp	$\geq 0$ and $\leq$ total MOH unicast resources
12	MOH unicast resource utilization	Number	Percentage of total MOH unicast resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
13	Total MTP resources	Number	Total number of MTP resources configured on the Cisco CallManager	$\geq 0$
14	Active MTP resources	Number	Number of MTP resources active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq$ total MTP resources
15	Available MTP resources	Number	Number of MTP resources available on the Cisco CallManager at time stamp	$\geq 0$ and $\leq$ total MTP resources
16	MTP resource utilization	Number	Percentage of total MOH resources active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq 100$
17	Total transcoder resources	Number	Total number of transcoder resources on the Cisco CallManager	$\geq 0$
18	Active transcoder resources	Number	Number of transcoder resources active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq$ total transcoder resources
19	Available transcoder resources	Number	Number of transcoder resources available on the Cisco CallManager at time stamp	$\geq 0$ and $\leq$ total transcoder resources
20	Transcoder resource utilization	Number	Percentage of total transcoder resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
21	Total software conference resources	Number	Total number of software conference resources on the Cisco CallManager	$\geq 0$
22	Active software conference resources	Number	Number of software conference resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq$ total software conference resources
23	Available software conference resources	Number	Number of software conference resources on the Cisco CallManager available at time stamp	$\geq 0$ and $\leq$ total software conference resources
24	Software conference resource utilization	Number	Percentage of total software conference resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$

Table I-27 Format of Record Type 123 (continued)

Field Number	Field ID	Content	Description	Value
25	Active software conferences	Number	Number of active software conferences on the Cisco CallManager at time stamp	$\geq 0$
26	Completed software conferences	Number	Number of completed software conferences on the Cisco CallManager	$\geq 0$
27	Total hardware conference resources	Number	Total number of hardware conference resources on the Cisco CallManager	$\geq 0$
28	Active hardware conference resources	Number	Number of hardware conference resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq$ total hardware conference resources
29	Available hardware conference resources	Number	Number of hardware conference resources on the Cisco CallManager available at time stamp	$\geq 0$ and $\leq$ total hardware conference resources
30	Hardware conference resource utilization	Number	Percentage of total hardware conference resources on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
31	Active hardware conferences	Number	Number of hardware conferences on the Cisco CallManager active at time stamp	$\geq 0$
32	Completed hardware conferences	Number	Number of completed hardware conferences on the Cisco CallManager at time stamp	$\geq 0$
33	Registered analog access	Number	Number of analog access devices registered with the Cisco CallManager at time stamp	$\geq 0$
34	Registered MGCP gateways	Number	Number of MGCP gateways registered with the Cisco CallManager at time stamp	$\geq 0$
35	Registered hardware phones	Number	Number of hardware phones registered with the Cisco CallManager at time stamp	$\geq 0$
36	Registered other station devices	Number	Number of other station devices registered with the Cisco CallManager at time stamp	$\geq 0$
37	None	Null indicator	Not used	*
38	None	Null indicator	Reserved	*

## FXS Port Usage for Cisco CallManager-Controlled Gateways—Record Type 124

This record contains usage statistics for each FXS port on MGCP gateway registered with Cisco CallManager.

**Table I-28**      **Format of Record Type 124**

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 124	124
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject MGCP gateway registered with Cisco CallManager	ASCII characters
5	FXS port name	Text	Mandatory: name of FXS port	ASCII characters
6	Calls completed	Number	Number of calls completed on this FXS port on the gateway	≥ 0
7	Outbound busy attempts	Number	Number of outbound busy attempts on this FXS port on the gateway	≥ 0
9	None	Null indicator	Not used	*
<b>Note</b> Fields 10 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## FXO Port Usage for Cisco CallManager-Controlled Gateways—Record Type 125

This record contains usage statistics for each FXO port on MGCP gateways registered with Cisco CallManager.

**Table I-29**      **Format of Record Type 125**

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 125	125
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject MGCP gateway registered to Cisco CallManager	ASCII characters
5	FXO port name	Text	Mandatory: name of FXO port	ASCII characters
6	Calls completed	Number	Number of calls completed on this FXO port on the gateway	≥ 0
7	Outbound busy attempts	Number	Number of outbound busy attempts on this FXO port on the gateway	≥ 0
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*



## Cisco CallManager CTI Manager Usage—Record Type 126

This record contains usage statistics for CTI Manager in Cisco CallManager.

**Table I-30** Format of Record Type 126

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 126	126
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Total registered CTI ports	Number	Total number of CTI ports registered with the Cisco CallManager	≥ 0
6	CTI link active	Number	Number of CTI links active on the Cisco CallManager	≥ 0
7	CTI connection active	Number	Number of CTI connections active on the Cisco CallManager	≥ 0
8	Devices open	Number	Number of CTI devices open	≥ 0
9	Lines open	Number	Number of CTI lines open	≥ 0
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Analog Access Gateway Usage—Record Type 127

This record contains usage statistics for each analog access gateway registered with Cisco CallManager.

**Table I-31** Format of Record Type 127

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 127	127
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Analog access device name	Text	Mandatory: name of analog access device registered with Cisco CallManager	ASCII characters
6	Ports active	Number	Number of ports active on this analog access device	≥ 0
7	None	Null indicator	Not used	*

**Table I-31** Format of Record Type 127 (continued)

Field Number	Field ID	Content	Description	Value
<b>Note</b> Fields 8 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager H323 Gateway Usage—Record Type 128

This record contains usage statistics for each H323 gateway registered with Cisco CallManager.

**Table I-32** Format of Record Type 128

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 128	128
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	H323 gateway name	Text	Mandatory: name of H323 gateway added to the Cisco CallManager	ASCII characters
6	Calls active	Number	Number of calls active through the H323 gateway at time stamp	≥ 0
7	Calls attempted	Number	Number of calls attempted through the H323 gateway	≥ 0
8	Calls completed	Number	Number of calls completed through the H323 gateway	≥ 0
9	Calls in progress	Number	Number of calls in progress through the H323 gateway at time stamp	≥ 0
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Location Usage—Record Type 129

This record contains bandwidth usage statistics for each Cisco CallManager location.

**Table I-33** Format of Record Type 129

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 129	129
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201

Table I-33 Format of Record Type 129 (continued)

Field Number	Field ID	Content	Description	Value
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Location name	Text	Mandatory: name of the location defined in Cisco CallManager	ASCII characters
6	Maximum bandwidth	Number	Total bandwidth (kbps) configured for the location	$\geq 0$
7	Available bandwidth	Number	Bandwidth available for the location at time stamp	$\geq 0$
8	Bandwidth utilization	Number	Percentage of maximum bandwidth available at time stamp	$\geq 0$ and $\leq 100$
9	None	Null indicator	Not used	*
<b>Note</b> Fields 10 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Media Streaming Application Usage—Record Type 130

This record contains usage statistics for media streaming applications in Cisco CallManager.

Table I-34 Format of Record Type 130

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 130	130
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Total conferences	Number	Total number of conferences	$\geq 0$
6	Active conferences	Number	Number of conferences active on the Cisco CallManager at time stamp	$\geq 0$
7	Percentage conferences active	Number	Percentage of total conferences active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq 100$
8	Total conference streams	Number	Total number of conference streams on the Cisco CallManager	$\geq 0$
9	Conference streams available	Number	Number of conference streams available on the Cisco CallManager at time stamp	$\geq 0$
10	Conference streams active	Number	Number of conference streams active on the Cisco CallManager at time stamp	$\geq 0$

Table I-34 Format of Record Type 130 (continued)

Field Number	Field ID	Content	Description	Value
11	Percentage conference streams active	Number	Percentage of conference streams active on the Cisco CallManager at time stamp	$\geq 0$ and $\leq 100$
12	Active MOH audio sources	Number	Number of MOH audio sources active on the Cisco CallManager at time stamp	$\geq 0$
13	Total MOH streams	Number	Total number of MOH streams configured on the Cisco CallManager	$\geq 0$
14	Available MOH streams	Number	Number of MOH streams available on the Cisco CallManager at time stamp	$\geq 0$
15	Active MOH streams	Number	Number of MOH streams active on the Cisco CallManager at time stamp	$\geq 0$
16	Percentage MOH streams active	Number	Percentage of total MOH streams on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
17	Total MTP connections	Number	Total number of MTP connections on the Cisco CallManager	$\geq 0$
18	Active MTP instances	Number	Number of MTP instances active on the Cisco CallManager at time stamp	$\geq 0$
19	Total MTP streams	Number	Total number of MTP streams on the Cisco CallManager	$\geq 0$
20	Available MTP streams	Number	Number of MTP streams available on the Cisco CallManager at time stamp	$\geq 0$
21	Active MTP streams	Number	Number of MTP streams active on the Cisco CallManager at time stamp	$\geq 0$
22	Percentage active MTP streamS	Number	Percentage of total MTP streams on the Cisco CallManager active at time stamp	$\geq 0$ and $\leq 100$
23	None	Null indicator	Not used	*
<b>Note</b> Fields 24 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager MOH Usage—Record Type 131

This record contains usage statistics for each music on hold (MOH) device registered with Cisco CallManager.

Table I-35 Format of Record Type 131

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 131	131
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000

Table I-35 Format of Record Type 131 (continued)

Field Number	Field ID	Content	Description	Value
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	MOH device name	Text	Mandatory: name of the MOH device registered to the Cisco CallManager	ASCII characters
6	Highest active resources	Number	Highest active resources on the MOH device	$\geq 0$
7	Total multicast resources	Number	Total number of multicast resources on the MOH device	$\geq 0$
8	Available multicast resources	Number	Number of multicast resources on the MOH device available at time stamp	$\geq 0$
9	Active multicast resource	Number	Number of multicast resources on the MOH device active at time stamp	$\geq 0$
10	Percentage active multicast resources	Number	Percentage of total multicast resources on the MOH device active at time stamp	$\geq 0$ and $\leq 100$
11	Total unicast resources	Number	Total number of unicast resources on the MOH device	$\geq 0$
12	Available unicast resources	Number	Number of unicast resources available on the MOH device at time stamp	$\geq 0$
13	Active unicast resource	Number	Number of unicast resources on the MOH device active at time stamp	$\geq 0$
14	Percentage active unicast resources	Number	Percentage of total unicast resources on the MOH device active at time stamp	$\geq 0$ and $\leq 100$
15	None	Null indicator	Not used	*
<b>Note</b> Fields 16 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager MTP Usage—Record Type 132

This record contains usage statistics for each media termination point (MTP) registered with Cisco CallManager.

Table I-36 Format of Record Type 132

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 132	132
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3

Table I-36 Format of Record Type 132 (continued)

Field Number	Field ID	Content	Description	Value
5	MTP device name	Text	Mandatory: name of MTP device registered to the Cisco CallManager	ASCII characters
6	Total resources	Number	Total number of resources on the MTP device	$\geq 0$
7	Available resource	Number	Number of resources available on the MTP device at time stamp	$\geq 0$
8	Active resources	Number	Number of resources active on the MTP device at time stamp	$\geq 0$
9	Percentage active resources	Number	Percentage of total resources active on the MTP device at time stamp	$\geq 0$ and $\leq 100$
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Hardware Conference Bridge Usage—Record Type 133

This record contains usage statistics for each Hardware Conference Bridge registered with Cisco CallManager.

Table I-37 Format of Record Type 133

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 133	133
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Hardware conference bridge name	Text	Mandatory: name of hardware conference bridge	ASCII characters
6	Completed conferences	Number	Number of conferences completed on this hardware conference bridge	$\geq 0$
7	Active conferences	Number	Number of conferences active on this hardware conference bridge at time stamp	$\geq 0$
8	Total resources	Number	Total number of resources on this hardware conference bridge	$\geq 0$
9	Available resource	Number	Number of resources available on this hardware conference bridge at time stamp	$\geq 0$
10	Active resources	Number	Number of resources active on this hardware conference bridge at time stamp	$\geq 0$

Table I-37 Format of Record Type 133 (continued)

Field Number	Field ID	Content	Description	Value
11	Percentage active resources	Number	Percentage of total resources active on this hardware conference bridge at time stamp	$\geq 0$ and $\leq 100$
12	None	Null indicator	Not used	*
<b>Note</b> Fields 13 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Software Conference Bridge Usage—Record Type 134

This record contains usage statistics for each software conference bridge registered with Cisco CallManager.

Table I-38 Format of Record Type 134

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 134	134
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Software conference bridge name	Text	Mandatory: name of software conference bridge registered to the Cisco CallManager	ASCII characters
6	Conferences completed	Number	Number of completed conferences on this software conference bridge	$\geq 0$
7	Active conferences	Number	Number of conferences active on this software conference bridge at time stamp	$\geq 0$
8	Total resources	Number	Total number of resources on this software conference bridge	$\geq 0$
9	Available resource	Number	Number of resources available on this software conference bridge at time stamp	$\geq 0$
10	Active resources	Number	Number of resources active on this software conference bridge at time stamp	$\geq 0$
11	Percentage active resources	Number	Percentage of resources active on this software conference bridge at time stamp	$\geq 0$ and $\leq 100$
12	None	Null indicator	Not used	*
<b>Note</b> Fields 13 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Cisco CallManager Transcoder—Record Type 135

This record contains usage statistics for each transcoder device registered with Cisco CallManager.

**Table I-39** Format of Record Type 135

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 135	135
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Cisco CallManager name	Text	Mandatory: name of subject Cisco CallManager	Example: CCM3
5	Transcoder device name	Text	Mandatory: name of transcoder device registered to this Cisco CallManager	ASCII characters
6	Total resources	Number	Total number of resources on the transcoder device	$\geq 0$
7	Available resource	Number	Number of resources available on the transcoder device at time stamp	$\geq 0$
8	Active resources	Number	Number of resources active on the transcoder device at time stamp	$\geq 0$
9	Percentage active resources	Number	Percentage active on the transcoder device at time stamp	$\geq 0$ and $\leq 100$
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## T1 PRI Usage for Cisco CallManager-Controlled Gateways—Record Type 136

This record contains usage statistics for each T1 PRI port on MGCP gateways registered with Cisco CallManager.

**Table I-40** Format of Record Type 136

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 136	136
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject MGCP gateway registered with Cisco CallManager	ASCII characters
5	DS1 name	Text	Mandatory: name of the T1 PRI port	ASCII characters
6	Completed calls	Number	Number of calls completed on this T1 PRI port on the gateway	$\geq 0$



**Table I-40** Format of Record Type 136 (continued)

Field Number	Field ID	Content	Description	Value
7	Outbound busy attempts	Number	Number of outbound busy attempts on this T1 PRI port on the gateway	$\geq 0$
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## E1 PRI Usage for Cisco CallManager-Controlled Gateways—Record Type 137

This record contains usage statistics for each E1 PRI port on MGCP gateways registered with Cisco CallManager.

**Table I-41** Format of Record Type 137

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 137	137
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject MGCP gateway registered with Cisco CallManager	ASCII characters
5	DS1 name	Text	Mandatory: name of E1 PRI port	ASCII characters
6	Calls completed	Number	Number of calls completed on this E1 PRI port on the gateway	$\geq 0$
7	Outbound busy attempts	Number	Number of outbound busy attempts on this E1 PRI port on the gateway	$\geq 0$
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## T1 CAS Usage for Cisco CallManager-Controlled Gateways—Record Type 138

This record contains usage statistics for each T1 CAS port on MGCP gateways registered with Cisco CallManager.

**Table I-42** Format of Record Type 138

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Mandatory: record type 138	138
2	Date	yyyymmdd	Mandatory: calendar date	Example: 20051201

Table I-42 Format of Record Type 138 (continued)

Field Number	Field ID	Content	Description	Value
3	Time stamp	hhmmss	Mandatory: wall clock time	Example: 230000
4	Gateway name	Text	Mandatory: name of subject gateway	ASCII characters
5	DS1 name	Text	Mandatory: name of the T1 CAS port	ASCII characters
6	Calls completed	Number	Number of calls completed on this T1 CAS port on the gateway	$\geq 0$
7	Outbound busy attempts	Number	Number of outbound busy attempts on this T1 CAS port on the gateway	$\geq 0$
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	None	Null indicator	Reserved	*

## Node-to-Node Test Record Formats

For more information, see [Data Files—Maintenance and Usage, page I-1](#).

The following are the formats for each node-to-node test record type:

- [Echo—Record Type 200, page I-50](#)
- [Ping Path Echo—Record Type 201, page I-51](#)
- [Record Type 202—Not Used, page I-53](#)
- [Ping Path Echo—Record Type 204, page I-53](#)
- [Jitter MOS, ICPIF, and Processed Data—Record Type 205, page I-54](#)

### Echo—Record Type 200

This record format captures end-to-end statistics for the following types of tests:

- ICMP Echo
- UDP Echo
- VoIP Post Dial Delay
- Gatekeeper Registration Delay

Table I-43 Format of Record Type 200

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Record type 200.	200
2	Date	yyyymmdd	Calendar date.	Example: 20051201
3	Time stamp	hhmmss	Wall clock time.	Example: 230000

Table I-43 Format of Record Type 200 (continued)

Field Number	Field ID	Content	Description	Value
4	Completion time	Number	Round-trip time (RTT), in milliseconds.	Between 0 and 4294967295
5	Completion status	Number	The allowed numbers are: <ul style="list-style-type: none"> <li>• 1—OK</li> <li>• 2—disconnected</li> <li>• 3—overThreshold</li> <li>• 4—timeout</li> <li>• 5—busy</li> <li>• 6—notConnected</li> <li>• 7—dropped</li> <li>• 8—sequenceError</li> <li>• 9—verifyError</li> <li>• 10—applicationSpecific</li> <li>• 11—dnsServerTimeout</li> <li>• 12—tcpConnectTimeout</li> <li>• 13—httpTransactionTimeout</li> <li>• 14—dnsQueryError</li> <li>• 15—httpError</li> <li>• 16—error</li> </ul>	Between 1 and 16
6	Application-specific completion status	Number	(Optional) An application-specific status that is valid only when completion status is set to applicationSpecific (10).	Between 1001 and 2147483647
7	Status description	Number	(Optional) The description for the completion status when completion status is set to applicationSpecific (10). Default value is blank.	ASCII characters
8	None	Null indicator	Not used	*
<b>Note</b> Fields 9 through 37 are not used and contain the null indicator “*”.				
38	Test name	Text	Name of the node-to-node test	Sjc-VGtest

## Ping Path Echo—Record Type 201

This record format captures hop-by-hop statistics for Ping Path Echo tests. The tests record information from source to destination.

Table I-44 Format of Record Type 201

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Record type 201.	201
2	Date	yyyymmdd	Calendar date.	Example: 20051201
3	Time stamp	hhmmss	Wall clock time.	Example: 230000
4	Completion time	Number	Round-trip time (RTT), in milliseconds.	Between 0 and 4294967295
5	Hop ID	Number	Unique ID chosen by the study and given to a hop on this path.	Maximum value is 30
6	Hop address	String	IP Address of the hop.	ASCII characters
7	Completion status	Number	The allowed numbers are: <ul style="list-style-type: none"> <li>• 1—OK</li> <li>• 2—disconnected</li> <li>• 3—overThreshold</li> <li>• 4—timeout</li> <li>• 5—busy</li> <li>• 6—notConnected</li> <li>• 7—dropped</li> <li>• 8—sequenceError</li> <li>• 9—verifyError</li> <li>• 10—applicationSpecific</li> <li>• 11—dnsServerTimeout</li> <li>• 12—tcpConnectTimeout</li> <li>• 13—httpTransactionTimeout</li> <li>• 14—dnsQueryError</li> <li>• 15—httpError</li> <li>• 16—error</li> </ul>	Between 1 and 16
8	Application-specific completion status	Number	(Optional) Application-specific status that is valid only when completion status is set to applicationSpecific (10).	Between 1001 and 2147483647
9	Status description	Text	(Optional) Description for the completion status when completion status is set to applicationSpecific (10). Default value is blank.	ASCII characters
10	None	Null indicator	Not used	*
<b>Note</b> Fields 11 through 37 are not used and contain the null indicator “*”.				
38	Test name	Text	Name of the node-to-node test	Sjc-VGtest

## Record Type 202—Not Used

Record type 202 is not in use and is reserved.

## Ping Path Echo—Record Type 204

This record format captures end-to-end statistics for Ping Path Echo tests. The tests are from the source to the destination.

**Table I-45** Format of Record Type 204

Field Number	Field ID	Content	Description	Value
1	Record ID	nnn	Record type 204.	204
2	Date	yyyymmdd	Calendar date.	Example: 20051201
3	Time stamp	hhmmss	Wall clock time.	Example: 230000
4	Completion time	Number	The round-trip time (RTT) in milliseconds.	Between 0 and 4294967295
5	Hop ID	Number	Unique ID given to a hop on this path chosen by the study. For this record, the hop ID is always 1.	1
6	Hop address	String	Mandatory: IP address of the destination.	ASCII characters
7	Completion status	Number	The allowed numbers are: <ul style="list-style-type: none"> <li>• 1—OK</li> <li>• 2—disconnected</li> <li>• 3—overThreshold</li> <li>• 4—timeout</li> <li>• 5—busy</li> <li>• 6—notConnected</li> <li>• 7—dropped</li> <li>• 8—sequenceError</li> <li>• 9—verifyError</li> <li>• 10—applicationSpecific</li> <li>• 11—dnsServerTimeout</li> <li>• 12—tcpConnectTimeout</li> <li>• 13—httpTransactionTimeout</li> <li>• 14—dnsQueryError</li> <li>• 15—httpError</li> <li>• 16—error</li> </ul>	Between 1 and 16
8	Application-specific completion status	Number	(Optional) The application-specific status that is valid only when Completion Status is set to applicationSpecific (10).	Between 1001 and 2147483647

Table I-45 Format of Record Type 204 (continued)

Field Number	Field ID	Content	Description	Value
9	Status description	Text	(Optional) This is the description for the completion status when Completion Status is set to applicationSpecific (10). Default value is blank.	ASCII characters
10	None	Null indicator	Not used.	*
<b>Note</b> Fields 10 through 37 are not used and contain the null indicator “*”.				
38	Test name	Text	Name of the node-to-node test	Sjc-VGtest

## Jitter MOS, ICPIF, and Processed Data—Record Type 205

This record format stores MOS and ICPIF values and processed jitter statistics values.

Table I-46 Format of Record Type 205

Field Number	Field ID	Content	Description	Value
1	Record ID	205	Mandatory: record type 205	205
2	Date	yyyymmdd	Calendar date.	Example: 20051201
3	Time stamp	hhmmss	Wall clock time.	Example: 230000
4	ICPIF	Number	Mandatory: Icpif Value	Example
5	Node-to-node quality	Number	Mandatory: MOS value	Example: 3.6
6	Source to destination packet loss	Number	Mandatory: percentage	≥ 0 and ≤ 100
7	Destination to source packet loss	Number	Mandatory: percentage	≥ 0 and ≤ 100
8	Source to destination jitter	Number	Mandatory: percentage	≥ 0 and ≤ 100
9	Destination to source jitter	Number	Mandatory: percentage	≥ 0 and ≤ 100
10	Average latency	Number	Mandatory: milliseconds	≥ 0 and ≤ 100
11	None	Null indicator	Not used	*
<b>Note</b> Fields 12 through 37 are not used and contain the null indicator “*”.				
38	Test name	Text	Name of the node-to-node test	Sjc-VGtest