Oracle® Communications Convergent Charging Controller

CAP3 SMS Gateway Alarms Guide

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Alarm Topic Description

Alarm Generation

Alarms on each configured node are written to the syslog and are then captured by the smsAlarmDaemon for entry in the SMF database.

For management of these alarms, see *Service Management System Technical Guide*.

Severity Levels

This table describes the alarm severity levels.

Level	Abbreviation	Description
Critical	C	These alarms are raised when the application has encountered an error indicating that the system is unable to function.
Error	E	These alarms indicate the application has encountered a serious problem completing a necessary task and could not complete the task.
Warning	W	Warnings are raised to indicate the application encountered a problem completing a non-mission critical task.
Notice	N	Notices are raised to indicate that the application has completed a task successfully.

Alarm Format

Alarms usually follow this format:

```
Mon DD 24:MM:SS hostname process name: [ID alarmID user.severity] process(PID)
SEVERITY: Alarm text with possible variables
```

Where:

Variable	Description
Mon DD	Month and date the alarm was logged.
24:MM:SS	Time the alarm was logged in 24 hour format.
hostname	Name of the machine on which the alarm was generated.
process name	Name of the process which logged the alarm.
alarmID	ID number of the alarm.
severity	Alarm severity.
process	Name of the process which logged the alarm.
PID	Process ID of the process which logged the alarm.
SEVERITY	Alarm severity.
Alarm text	Alarm text. This may include variables such as node number. **Note:** In some cases, the entire alarm text is generated from variables.

Note: Some alarms from some subsystems may have a different format.

Example: This text shows an smsMaster alarm about pending update queues.

```
Mar 30 13:34:54 prodsmp1 smsMaster: [ID 953149 user.warning] smsMaster(17833)
WARNING: Pending queue now above 15 (Worst Node 317)
```

Alarm Text and Variables

The %d and %s symbols represent variables within the alarm text. These values are generated by the subsystem and added to the message when the alarm is raised.

Usually the %d is a number and the %s is text in the context of the message to complete the alarm message. Occasionally other % symbols are also used (for example, %u) for different variables.

Further Information

For more information about:

- The SMS Alarms subsystem, see *Service Management System Technical Guide*
- Creating and maintaining the SMS Alarm Relay rule set, see *Service Management System User's Guide*

CAP3 SMS Gateway Alarms

Alarm	Severity	Text	Cause	Resolution	Service
106000001	NOTICE	%z Starting up.	Information only.	No resolution.	CAP3_GW
106000002	CRITICAL	%z Unable to obtain an instance of SLEE Application API.	Problem attaching to the SLEE	Restart the SLEE.	CAP3_GW
106000003	CRITICAL	%z Unable to register for SIGHUP: %s %d	Unable to regisiter for the reload configuraion signal	Contact Support	CAP3_GW
106000004	CRITICAL	%z Unable to initialise: %s %d	A problem was found trying to initialise the daemon	Refer to the error text for more information	CAP3_GW
106000005	NOTICE	%z Startup successful.	Information only.	No resolution.	CAP3_GW
106000006	NOTICE	%z Configuration reloaded	Information only.	No resolution.	CAP3_GW
106000007	ERROR	%z Unable to reload configuration: %s %d	There was a problem re-reading the configuration file.	Check file permissions and syntax.	CAP3_GW
106000008	NOTICE	%z capgw shutdown.	Information only.	No resolution.	CAP3_GW
106000010	NOTICE	%z Non-SLEE event type with no dialog. Type: %s %d	Information only.	No resolution.	CAP3_GW
106000011	ERROR	%z Unable to process interaction: %s %d	There was an error processing the interaction between the MSC and SMCB.	See the details for more information.	CAP3_GW
106000020	NOTICE	%z Service enabled: %s %d	Information only.	No resolution.	CAP3_GW

Alarm	Severity	Text	Cause	Resolution	Service
106000021	NOTICE	%z Service disabled: %s %d	Information only.	No resolution.	CAP3_GW
106000022	NOTICE	%z Received APPLICATION_END.	Information only.	No resolution.	CAP3_GW
106000023	NOTICE	%z Received APPLICATION_KILL.	Information only.	No resolution.	CAP3_GW
106000024	NOTICE	%z Re-reading configuration	Information only.	No resolution.	CAP3_GW
106000025	NOTICE	%z Received INTERFACE_END.	Information only.	No resolution.	CAP3_GW
106000026	NOTICE	%z Received INTERFACE_KILL.	Information only.	No resolution.	CAP3_GW
106000027	NOTICE	%z Received Unknown SLEE event type: %s %d	Information only.	No resolution.	CAP3_GW
106000030	ERROR	%z Unknown command line option %s %d	Bad command line option passed to capgw	Correct startup script option by referring to Technical Guide.	CAP3_GW
106000031	ERROR	%z Missing argument for %s %d option	For the specified command line option an argument was expected	Correct startup parameters by referring to the Technical Guide	CAP3_GW
106000032	ERROR	%z getopt error. Status: %d.	There was a problem reading the command line arguments.	Correct the startup parameters by referring to the Technical Guide	CAP3_GW
106000040	NOTICE	%z Using configuration section: %s %d	Information only.	No resolution.	CAP3_GW
106000045	WARNING	%z Incorrect config: Option %s %d, value must be in range 0 to 7. Using default %d	An invalid value was set for this configuration option.	Correct the eserv.config by supplying a valid value.	CAP3_GW

Alarm	Severity	Text	Cause	Resolution	Service
106000046	WARNING	%z Incorrect config: Option %s %d, value must be in range 0 to 15. Using default %d	An invalid value was set for this configuration option.	Correct the eserv.config by supplying a valid value.	CAP3_GW
106000050	WARNING	%z Incorrect config type: Option %s %d, expecting type %s %d, got %s %d. Option ignored	There was a problem with the type of values supplied in the eserv.config	Correct the eserv.config configuration.	CAP3_GW
106000060	WARNING	%z Option value overflow: Option %s %d,value: %z	Too large a value was passed for this configuration option.	Correct the eserv.config by supplying a smaller value.	CAP3_GW
106000065	WARNING	%z Incorrect config: Option %s %d, values must be in range 0 to 7. Using default %s %d	An invalid value was set for this configuration option.	Correct the eserv.config by supplying a valid value.	CAP3_GW
106000069	NOTICE	%z IDPs use NOA maps parameter set to: %s %d	Information only.	No resolution.	CAP3_GW
106000070	NOTICE	%z Destination SLEE service key set to: %d	Information only.	No resolution.	CAP3_GW
106000071	NOTICE	%z Calling IDP noa parameter set to to: %d	Information only.	No resolution.	CAP3_GW
106000072	NOTICE	%z Calling IDP plan parameter set to: %d	Information only.	No resolution.	CAP3_GW
106000073	NOTICE	%z Calling IDP screening parameter set to: %d	Information only.	No resolution.	CAP3_GW
106000074	NOTICE	%z Calling IDP present parameter set to: %d	Information only.	No resolution.	CAP3_GW
106000075	NOTICE	%z Calling IDP InnOrNI parameter set to: %d	Information only.	No resolution.	CAP3_GW

Alarm	Severity	Text	Cause	Resolution	Service
106000076	NOTICE	%z ConnectSMS Called Party NoA mapping parameter set to: %d,%d,%d,%d,%d,%d,%d,%d	Information only.	No resolution.	CAP3_GW
106000077	NOTICE	%z ConnectSMS Calling Party NoA mapping parameter set to: %d,%d,%d,%d,%d,%d,%d,%d	Information only.	No resolution.	CAP3_GW
106000078	NOTICE	%z ConnectSMS sMscAddress NoA parameter set to: %d	Information only.	No resolution.	CAP3_GW
106000079	NOTICE	%z ConnectSMS sMscAddress Plan parameter set to: %d	Information only.	No resolution.	CAP3_GW
106000080	ERROR	%z TCAP_BEGIN received from SMCB side.	Unexpected message sequence.	Contact Support.	CAP3_GW
106000090	ERROR	%z Unknown event type received from %s %d. Type: %s %d	Unexpected event type received.	Contact Support	CAP3_GW
106000100	ERROR	%z Non-InitialDPSMS received in TCAP_BEGIN: Operation/Error ID: %d.	Unexpected message type received.	Check that other traffic isnt using this service key. Contact Support.	CAP3_GW
106000101	ERROR	%z InitialDPSMS does not contain a calling party number.	No calling party number was in the InitialDPSMS.	Get the sending party to supply a calling party number.	CAP3_GW
106000102	ERROR	%z InitialDPSMS does not contain a destination subscriber number. Calling Party Number: %s %d	No destination party number was supplied in the InitialDPSMS	Get the sending party to supply a called party number.	CAP3_GW
106000103	ERROR	%z Unable to create dialogue to destination application with service key: %d	Unable to pass the request to an application on the specified service key.	Check that the service key is correct and the application that provides that service is running.	CAP3_GW
106000110	ERROR	%z Unknown operation received in TCAP_CONTINUE: Operation/Error ID: d.	Unexpected operation received in message sequence.	Check the message sequence is correct. Contact Support	CAP3_GW

Alarm	Severity	Text	Cause	Resolution	Service
106000120	ERROR	%z Unknown operation received in TCAP_CONTINUE from MSC: Operation/Error ID: d.	Unexpected operation received from MSC	Contact Support.	CAP3_GW