

4 Basic Configuration

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4.1 CONFIGURATION

4.1.1 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.1 hwcfgmaneventlog

Trap Buffer Description

Configuration file was changed. (LogIndex=[LogIndex], SrcCmd=[SrcCmd], SrcData=[SrcData], DestData=[DestData], TerUser="[TerUser]", SrcAddr=[SrcAddr], ConfigChangeld=[ConfigChangeld], LogTime=[LogTime], CfgBaselineTime="[CfgBaselineTime]")

The configuration file is changed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.6.10.2.1
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
LogIndex	Index of a log.
SrcCmd	Command delivery mode for triggering configuration changes. The options are as follows: • 1: command line agent. • 2: network configuration protocol agent. • 3: SNMP agent. • 4: others.
SrcData	Source of the configuration change. • 1: Configuration file clearing • 2: Saving, deleting, renaming, or moving a configuration file • 3: SNMP/CLI/NETCONF configuration operation • 4: Configuration restoration • 5: FTP upload or download • 6: Hot swap.

Parameter	Description
DestData	Configuration change object. 1: existing startup file specified as the startup file for the next startup 2: running configuration 3: startup configuration file 4: local file, which is not a configuration file 5: FTP 6: hot swap.
TerUser	Terminal user when the configuration changes. When configuration changes are triggered by automatic saving, the user name is displayed as _SYSTEM_.
SrcAddr	Source address.
ConfigChangeId	Sequence number of the configuration change. After the device is restarted in CFG mode, the sequence number in the log is not cleared and will be recorded again in CFG mode.
LogTime	Configuration change time. It refers to the number of ticks since the system is started.
CfgBaselineTime	Baseline time configured on the device. When the configuration changes (for example, the system restarts), the system updates the time.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.1.7.1.3	hwCfgLogSrcCmd	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.4	hwCfgLogSrcData	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.5	hwCfgLogDesData	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.7	hwCfgLogTerminalUser	hwCfgLogIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.1.7.1.10	hwCfgLogCmdSrcAddress	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.15	hwCfgLogConfigChangeId	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.2	hwCfgLogTime	hwCfgLogIndex
1.3.6.1.4.1.2011.6.10.1.1.7.1.16	hwCfgLogCfgBaselineTime	hwCfgLogIndex

Impact on the System

Services are not affected.

Possible Causes

- Cause 1: The save command is executed to save the configuration file.
- Cause 2: The configuration file for next startup is specified.
- Cause 3: The configuration file for next startup is cleared.

Procedure

This log is generated when the configuration file is changed. This log is informational only, and no action is required.

4.1.2 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.2
hwCfgOperateCompletion

Trap Buffer Description

Configuration was copied. (OperationIndex=[hwCfgOperateIndex],
OperationType=[hwCfgOperateType],
OperationResultIndex=[hwCfgOperateResultIndex],
OptTime=[hwCfgOperateTime], OptState=[hwCfgOperateState],
OptEndTime=[hwCfgOperateEndTime])

The COPY operation is configured.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.6.10.2.2

Trap Attribute	Description
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
hwCfgOperateIndex	Index of the MIB table hwCfgOperateEntry, which specifies the MIB table to which hwCfgOperateType belongs.
hwCfgOperateType	Operation type.
hwCfgOperateResultIndex	Index of the MIB table hwCfgOperateResultEntry, which specifies the MIB table to which hwCfgOperateTime, hwCfgOperateState and hwCfgOperateEndTime belong.
hwCfgOperateTime	Operation time.
hwCfgOperateState	Operation status.
hwCfgOperateEndTime	End time of an operation.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.2.4.1.2	hwCfgOperateType	hwCfgOperateIndex
1.3.6.1.4.1.2011.6.10.1.2.5.1.5	hwCfgOperateTime	hwCfgOperateResultIndex
1.3.6.1.4.1.2011.6.10.1.2.5.1.4	hwCfgOperateState	hwCfgOperateResultIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.2.5 .1.6	hwCfgOperateEndTime	hwCfgOperateResultIndex

Impact on the System

Services are not affected.

Possible Causes

After a user uses hwCfgOperateEntry in huawei-config-man-mib to operate the device to process the configuration file, a trap is sent to notify the NMS user that the operation is complete and an event log is recorded.

Procedure

- This message is informational only, and no action is required.

4.1.3 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.5 hwCfgB2STransferFail

Trap Buffer Description

Failed to transfer the configuration file to (index=[hwCfgBackupIndex]) server [hwCfgBackupServerIp] through [hwCfgBackupProtocol] when automatically backing up the configuration.

The configuration file fails to be backed up to the server.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.6.10.2.5
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
hwCfgBackupIndex	Index of the server table.
hwCfgBackupServerIp	IP address of the server.
hwCfgBackupProtocol	File transfer mode.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.3.7.1.1	hwCfgBackupIndex	hwCfgBackupIndex
1.3.6.1.4.1.2011.6.10.1.3.7.1.2	hwCfgBackupServerIp	hwCfgBackupIndex
1.3.6.1.4.1.2011.6.10.1.3.7.1.3	hwCfgBackupProtocol	hwCfgBackupIndex

Impact on the System

If this alarm is generated multiple times, the configuration may be incorrect or the link may be faulty. As a result, the configuration file cannot be backed up to the server.

Possible Causes

- The server is unreachable. The password is incorrect. The user name does not exist. The server path does not exist.

Procedure

1. Run the ping command to check whether the server is reachable.
 - If the ping fails, check the routing configurations between the device and the server.
 - If the server can be pinged, go to step 2.
2. Configure the device as the client and to access the server using ftp or sftp to check whether the password is correct.
 - If the access to the server fails, the password is incorrect. Run the configuration file auto-save backup-to-server command to configure a correct password.
 - If the access to the server succeeds, the password is correct. In this case, go to step 3.
3. Check the user name configurations on the server.

- If the user name configurations are incorrect, reconfigure them.
 - If the user name configurations are correct, go to step 4.
4. Check the path configurations on the server.
- If the path configurations are incorrect, reconfigure them.
 - If the path configurations are correct, go to step 5.
5. Collect log and configuration information, and contact technical support personnel.

4.1.4 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.6
hwCfgB2SOperate

Trap Buffer Description

Begin to back up the current configuration to the server.

The current configuration file is backed up to the server.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.6.10.2.6
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

Services are not affected.

Possible Causes

The device starts to back up the configuration file to the server at the specified time.

Procedure

- This message is informational only, and no action is required.

4.1.5 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.7 hwCfgRestoreFail

Trap Buffer Description

Failed to restore system configurations.(Result=[Result])

System configurations failed to be restored.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.7
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x0815200a
Alarm Name	RESTORE_CONFIGURATION_FAIL
Alarm Type	processingErrorAlarm
Raise or Clear	Raise
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.8 hwCfgRestoreSuccess

Trap Buffer Parameters

Parameter	Description
Result	Configuration restoration result.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.2.8	hwCfgRestoreErrCode	-

Impact on the System

The configuration database fails to be restored. As a result, the configuration information of the existing services is lost.

Possible Causes

- Cause 0: The configuration database file was lost or damaged.

Procedure

- Cause 0: The configuration database file was lost or damaged.
 1. Run the display configuration recover-result command to check the commands that fail to be restored. Check whether the format of the commands in the configuration file is incorrect or whether the commands are executed in an incorrect view.
 - If yes, go to Step 2.
 - If the current configuration is correct, no further action is required.
 2. Configure the command that fails to be restored correctly.
 - If the alarm persists, go to Step 3.
 - If the alarm is not generated again, no further action is required.
 3. Collect log and configuration information, and contact technical support personnel.

4.1.6 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.8 hwCfgRestoreSuccess

Trap Buffer Description

The system configurations were restored successfully.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.8
MIB	HUAWEI-CONFIG-MAN-MIB

Trap Attribute	Description
Alarm ID	0x0815200a
Alarm Name	RESTORE_CONFIGURATION_PASS
Alarm Type	processingErrorAlarm
Raise or Clear	Clear
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.7 hwCfgRestoreFail

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.2.8	hwCfgRestoreErrCode	-

Impact on the System

The system is not affected.

Possible Causes

- Cause 2: The system configurations were restored successfully.
- Cause 3: The system configurations were restored successfully

Procedure

- Cause 2: The system configurations were restored successfully.
This message is informational only, and no action is required.
- Cause 3: The system configurations were restored successfully
No action is required.

4.1.7 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.11 hwCfgAppDataInconsistent

Trap Buffer Description

Inconsistency between application configuration data and master main board configuration data.

The data in the service process database is inconsistent with that in the central database.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.11
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x08152022
Alarm Name	APPDATA_NOT_SYN
Alarm Type	processingErrorAlarm
Raise or Clear	Raise
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.12 hwCfgAppDataInconsistentResume

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

If the data in the service process database is inconsistent with that in the central database, the host behavior may be inconsistent with the operator's expectation. As a result, related services cannot be executed.

Possible Causes

This alarm was automatically generated because the data in the service process database was detected inconsistent with that in the central database after data consistency verification was enabled.

Procedure

1. Run the display configuration records appdata-diff command in the diagnostic view to check the IDs of the slots where consistency differences exist.
2. Based on the slot number obtained in step 1, run the reset slot <slot-id> command to reset the board in the slot corresponding to the process and resynchronize the data in the service process database. Check whether the alarm is cleared.
 - If the reset is successful, no further action is required.

- If the reset fails, go to step 3.
3. Collect alarm, log, and configuration information, and contact technical support personnel.

4.1.8 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.12 hwCfgAppDataInconsistentResume

Trap Buffer Description

Consistency between application configuration data and master main board configuration data.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.12
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x08152022
Alarm Name	APPDATA_NOT_SYN
Alarm Type	processingErrorAlarm
Raise or Clear	Clear
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.11 hwCfgAppDataInconsistent

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

This alarm has no adverse impact on the system.

Possible Causes

The data in the service process database became consistent with that in the central database.

Procedure

This message is informational only, and no action is required.

4.1.9 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.15 hwCfgLockConfigurationByUser

Trap Buffer Description

The system configuration was locked. (UserName=[UserName], Identifier=[Identifier], LockTime=[LockTime])

The system configuration is locked.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.6.10.2.15
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserName	Name of the user who locks the configuration.
Identifier	Unique ID of a configuration lock.
LockTime	Time when a user locks the system configuration.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.1	hwCfgOperateLockByUserUserName	-
1.3.6.1.4.1.2011.6.10.1.5.3	hwCfgOperateLockByUserLockId	-
1.3.6.1.4.1.2011.6.10.1.5.4	hwCfgOperateLockByUserLockedTime	-

Impact on the System

The system is not affected.

Possible Causes

A user runs a command to lock the system configuration.

Procedure

This message is informational only, and no action is required.

4.1.10 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.16
hwCfgUnlockConfigurationByUser

Trap Buffer Description

The system configuration was unlocked. (UserName=[UserName],
UnlockTime=[UnlockTime])

The system configuration is unlocked.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.6.10.2.16
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.

Trap Attribute	Description
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserName	Name of the user who unlocks the configuration.
UnlockTime	Time when the user unlocks the system configuration.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.2	hwCfgOperateUnlock-ByUserUserName	-
1.3.6.1.4.1.2011.6.10.1.5.5	hwCfgOperateUnlock-ByUserUnlockedTime	-

Impact on the System

The system is not affected.

Possible Causes

The user runs the command to unlock the system configuration.

Procedure

This message is informational only, and no action is required.

4.1.11 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.17 hwCfgConfigChangeLog

Trap Buffer Description

The configuration changed. (Internal change =[isInner], User name =[username], Session ID =[ssnId], Command source address =[srcAddress], Storage type =[datastoreType], Terminal type =[terminalType])

The system configuration is changed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.6.10.2.17
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
isInner	Indicates whether the change is an internal change. • True: internal change, indicating that the configuration is changed in the system and the change is not caused by user operations. • False: non-internal change, indicating that the change is caused by user operations.
username	Name of the user who initiates the configuration change.
ssnId	ID of the session that initiates the configuration change.
srcAddress	Source address that initiates the configuration change.
datastoreType	Type of the repository where the configuration change is initiated. • 1: The RDB is changed. • 2: The CDB is changed. • 3: The startup configuration file is changed.

Parameter	Description
termninalType	Type of the terminal that initiates the change. • 0: CLI. • 1: SNMP. • 2: NETCONF. • 7: MML. • 65535: internal change, for example, loading a board to a device.
isInnerTrap	Whether the change is an internal change.
ssnIdTrap	ID of the session that initiates the configuration change.
TerminalTrap	Type of the terminal that initiates the change.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.6	hwCfgConfigChangeIsInner	-
1.3.6.1.4.1.2011.6.10.1.5.7	hwCfgConfigChangeUserName	-
1.3.6.1.4.1.2011.6.10.1.5.8	hwCfgConfigChangeSessionId	-
1.3.6.1.4.1.2011.6.10.1.5.9	hwCfgConfigChangeSrcAddress	-
1.3.6.1.4.1.2011.6.10.1.5.10	hwCfgConfigChangeStorageType	-
1.3.6.1.4.1.2011.6.10.1.5.11	hwCfgConfigChangeTerminalType	-

Impact on the System

Services are not affected.

Possible Causes

A user or the system modifies the running configuration or the file for the next startup.

Procedure

This message is informational only, and no action is required.

4.1.12 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.18
hwCfgMemoryInsufficient

Trap Buffer Description

The memory usage is too high. As a result, the configuration fails to be edited.
The configuration fails to be edited due to high memory usage.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.6.10.2.18
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

The configuration does not take effect.

Possible Causes

The configuration fails to be edited due to high memory usage.

Procedure

The memory usage of the device is reduced.

4.1.13 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.20 hwcfgNextStartupFileIntegrityFail

Trap Buffer Description

Integrity check of the next startup configuration file failed.

The integrity check of the configuration file for the next startup fails.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.6.10.2.20
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

After the system is restarted, the configuration may be incorrect or unavailable.

Possible Causes

- Cause 1: The configuration file for the next startup is modified.
- Cause 2: The configuration file for next startup is from another device.

Procedure

1. Check whether the configurations in the configuration file for the next startup are correct and available.

- If the configurations are correct and available, no action is required.
- If you are not sure whether the configurations are correct and available, use another configuration file to restart the system or go to step 2.

2. Collect log and configuration information, and contact technical support personnel.

4.1.14 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.21 hwcfgStartupFileIntegrityFail

Trap Buffer Description

Integrity check of the startup configuration file failed. (FileType=[FileType])

Integrity check of the startup configuration file failed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.21
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f104a6
Alarm Name	STARTUPFILE_INTEGRITY_FAIL
Alarm Type	processingErrorAlarm
Raise or Clear	Raise
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.22 hwcfgStartupFileIntegrityFailResume

Trap Buffer Parameters

Parameter	Description
FileType	Type of the startup configuration file whose integrity check fails.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.1 2	hwcfgStartupFileIntegrityFailFileType	-

Impact on the System

The configuration in the system may be incorrect or unavailable.

Possible Causes

Cause 1: The startup configuration file on the device is modified.

Cause 2: The startup configuration file is from another device.

Procedure

Possible cause 1:

1. Check whether the configuration in the current startup configuration file is correct and available.

- If the configuration is correct and available, manually clear the alarm.
- If you are not sure whether the configuration is correct and available, use another configuration file to restart the system or go to step 2.

2. Collect log and configuration information, and contact technical support personnel.

Possible cause 2:

1. Check whether the configuration in the next startup file is correct and available.

- If you want the configuration of the next startup file to be the same as the current system configuration, run the save command to clear the alarm.
- If you cannot determine whether the configuration is correct and available, use another configuration file to specify it as the next startup file or go to Step 2.

2. Collect log and configuration information, and contact technical support personnel.

Possible cause 3:

1. Check whether the PAF file for the next startup is correct and available.

- If the PAF file is correct and available, manually clear the alarm. However, this alarm will be reported in the next detection.
- If you cannot determine whether the PAF file is correct and available, use another PAF file to specify it as the next startup file or go to Step 2.

2. Collect log and configuration information, and contact technical support personnel.

4.1.15 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.22 hwcfgStartupFileIntegrityFailResume

Trap Buffer Description

The STARTUPFILE_INTEGRITY_FAIL alarm is cleared. (FileType=[FileType])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.22
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f104a6
Alarm Name	STARTUPFILE_INTEGRITY_FAIL
Alarm Type	processingErrorAlarm
Raise or Clear	Clear
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.21 hwcfgStartupFileIntegrityFail

Trap Buffer Parameters

Parameter	Description
FileType	Type of the startup configuration file whose integrity check fails.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.1 2	hwcfgStartupFileIntegri- tyFailFileType	-

Impact on the System

The startup configuration file for which the alarm is generated must be reliable.
The impact is related to the configuration in the file.

Possible Causes

The configuration file for startup is re-saved or generated.

The configuration file for startup is reset.

Procedure

This message is informational only, and no action is required.

4.1.16 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.25 hwCfgBackupFailure

Trap Buffer Description

Configuration backup failed in the system. (reason=[cause])

The system configuration fails to be backed up.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.25
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f1ffd5
Alarm Name	CFG_BACKUP_FAIL
Alarm Type	processingErrorAlarm
Raise or Clear	Raise
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.26 hwCfgBackupFailureClear

Trap Buffer Parameters

Parameter	Description
cause	Failure Cause

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.13	hwCfgBackupFailureReason	-

Impact on the System

Data cannot be synchronized between the active and standby boards, and the rollback point files on the active and standby boards are inconsistent.

Possible Causes

Insufficient backup board space, fallback point backup failed.

Procedure

Release the space of the slave main control board.

4.1.17 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.26
hwCfgBackupFailureClear

Trap Buffer Description

Configuration backup succeeds in the system.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.26
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f1ffd5
Alarm Name	CFG_BACKUP_FAIL
Alarm Type	processingErrorAlarm
Raise or Clear	Clear
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.25 hwCfgBackupFailure

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.10.1.5.13	hwCfgBackupFailureReason	-

Impact on the System

There is no impact on the system.

Possible Causes

The rollback points on the active and standby main control boards are restored to be consistent.

Procedure

This message is informational only, and no action is required.

4.1.18 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.27
hwCfgConfigUnsaved

Trap Buffer Description

Configuration changes are not saved within the specified time.
The configuration change is not saved after the specified time.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.27
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f1ff4b
Alarm Name	CONFIGURATION_UNSAVED
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise

Trap Attribute	Description
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.28 hwCfgConfigUnsavedClear

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

Configurations are lost after the device is powered off, affecting services.

Possible Causes

Configuration changes are not saved within the specified time.

Procedure

Run the save command to save the configuration. (Saving the configuration is risky. You are advised to save the configuration during off-peak hours to prevent services from being affected after the configuration is saved.) Alternatively, run the clear alarm alarm-name CONFIGURATION_UNSAVED command in the diagnostic view to clear the alarm.

4.1.19 CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.28
hwCfgConfigUnsavedClear

Trap Buffer Description

Save or set a new next configuration file.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.6.10.2.28
MIB	HUAWEI-CONFIG-MAN-MIB
Alarm ID	0x00f1ff4b
Alarm Name	CONFIGURATION_UNSAVED

Trap Attribute	Description
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	CONFIGURATION_1.3.6.1.4.1.2011.6.10.2.27 hwCfgConfigUnsaved

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

There is no impact on the system.

Possible Causes

Save or set a new next configuration file.

Procedure

This message is informational only, and no action is required.

4.1.20 CONFIGURATION_1.3.6.1.4.1.2011.5.25.191.3.1
hwCfgChgNotify

Trap Buffer Description

Configuration changed.
(CurrentCfgChgSeqID=[CurrentCfgChgSeqID],CfgChgSeqIDReveralCount=[CfgChgSeqIDReveralCount],CfgChgTableMaxItem=[CfgChgTableMaxItem],CfgBaselineTime=[CfgBaselineTime])

The running configuration of the device changes.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.5.25.191.3.1
MIB	HUAWEI-DATASYNC-MIB

Trap Attribute	Description
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
CurrentCfgChgSeqID	System configuration change flag.
CfgChgSeqIDReveralCount	Number of times that the configuration change sequence number is reversed.
CfgChgTableMaxItem	Number of configuration change points that can be saved in the system.
CfgBaselineTime	Baseline time of system configurations.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.191.1.1	hwCurrentCfgChgSeqID	-
1.3.6.1.4.1.2011.5.25.191.1.2	hwCfgChgSeqIDReveral-Count	-
1.3.6.1.4.1.2011.5.25.191.1.3	hwCfgChgTableMaxItem	-
1.3.6.1.4.1.2011.5.25.191.1.4	hwCfgBaselineTime	-

Impact on the System

Services are not affected.

Possible Causes

The user modifies the running configuration.

Procedure

This log is generated when the configuration changes. This log is informational only, and no action is required.

4.2 FTP

4.2.1 FTP_1.3.6.1.4.1.2011.6.9.1.3.1 hwFlhOperNotification

Trap Buffer Description

The file transfer operation finished. (Operation=[Operation], OperStatus=[OperStatus])

This log file records file transfer operations performed through the HUAWEI-FLASH-MAN-MIB.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.6.9.1.3.1
MIB	HUAWEI-FLASH-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
Operation	Indicates the operation index of file transfer.
OperStatus	Indicates the file transfer result, which can be success or failure.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.9.1.2.1.1.9	hwFlhOperStatus	hwFlhOperIndex

Impact on the System

Services are not affected.

Possible Causes

When file transfer using HUAWEI-FLASH-MAN-MIB is complete, the device sends an event trap to the NMS and records a log.

Procedure

- This message is informational only, and no action is required.

4.3 FTPS

4.3.1 FTPS_1.3.6.1.4.1.2011.5.25.166.2.3 hwFtpLoginFailed

Trap Buffer Description

Users failed to login ftp server too frequently. (failed times=[hwFtpUserLoginFailedTimes], statistic period=[hwFtpUserLoginStatisticPeriod] minutes)

The user failed to log in to the FTP server frequently.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.166.2.3
MIB	HUAWEI-FTP-MIB
Alarm ID	0x00F100c1
Alarm Name	hwFtpLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise

Trap Attribute	Description
Match trap	FTPS_1.3.6.1.4.1.2011.5.25.166.2.4 hwFtpLoginFailed-Clear

Trap Buffer Parameters

Parameter	Description
hwFtpUserLoginFailedTimes	User Login Failed Times
hwFtpUserLoginStatisticPeriod	User Login Failed Statistic Period

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.166.1.1.5.1	hwFtpUserLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.166.1.1.5.2	hwFtpUserLoginStatistic-Period	-

Impact on the System

The system may have been attacked.

Possible Causes

Administrator type users login failed times in the period reached the threshold.

Procedure

1. By default, an alarm is generated if 30 or more login failures occur within 5 minutes, and the alarm is cleared if the number of login failures within 5 minutes is less than 20.
2. Contact the administrator to obtain the correct FTP user name and password and log in to the device again. After the login is successful, the alarm is cleared after a statistical period.
3. Run the display current-configuration configuration ftp include-default | include login-failed command to query the threshold for the number of times that a user fails to log in to the FTP server in a specified period.
 - Run the ftp server login-failed threshold-alarm command to set the number of login failures within a period (unit: minute) to a value smaller than the alarm clearance threshold. After a statistical period, the alarm is cleared.

4.3.2 FTPS_1.3.6.1.4.1.2011.5.25.166.2.4 hwFtpLoginFailedClear

Trap Buffer Description

The ftp user login-failed alarm was cleared.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.166.2.4
MIB	HUAWEI-FTP-MIB
Alarm ID	0x00F100c1
Alarm Name	hwFtpLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	FTPS_1.3.6.1.4.1.2011.5.25.166.2.3 hwFtpLoginFailed

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.166.1.1.5.1	hwFtpUserLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.166.1.1.5.2	hwFtpUserLoginStatistic-Period	-

Impact on the System

Services are not affected.

Possible Causes

The FTP user login-failed alarm was cleared.

Procedure

- This alarm message indicates a normal situation, and no action is required.

4.4 LCS

4.4.1 LCS_1.3.6.1.4.1.2011.5.25.142.2.1 hwGtlDefaultValue

Trap Buffer Description

Current license value is default, the reason is [hwGtlDefaultValueReason].
(SlotID=[hwGtlChassisID])

The license file has expired.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.1
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0006
Alarm Name	hwGtlDefaultValue
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.7 hwGtlDefaultValue-Cleared

Trap Buffer Parameters

Parameter	Description
hwGtlDefaultValueReason	Reason why the license expires.
hwGtlChassisID	ID of the chassis to which the license file belongs

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.1	hwGtlDefaultValueReason	-
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

- Cause 0: License file expires.
After the license file is expired, all default control items activated by the license are restored to default values.
- Cause 1: License file has been revoked.
After the license file is expired, all default control items activated by the license are restored to default values.
- Cause 2: ESN mismatches.
After the license file is expired, all default control items activated by the license are restored to default values.
- Cause 4: The specified license feature expires.
After the license feature expires, the control items of the license feature are restored to the default values.

Possible Causes

- Cause 0: License file expires.
- Cause 1: License file has been revoked.
- Cause 2: ESN mismatches.
- Cause 4: The specified license feature expires.

Procedure

1. Apply for a new valid license from Huawei. For details, see the License Usage Guide of the corresponding product.
2. Upload the license file to the device.
3. Run the license active <filename> command in the user view to activate the license file.

4.4.2 LCS_1.3.6.1.4.1.2011.5.25.142.2.3 hwGtlNearDeadline

Trap Buffer Description

License is near deadline, remaining [hwGtlRemainTime] day (s). Apply for a new license file from Huawei before the grace period expires. Otherwise, relevant service functions may be unavailable or the configuration may become ineffective. (FeatureName=[hwGtlFeatureName], SlotID=[hwGtlChassisID])

The license file is about to expire. Apply for a new license file from Huawei before the grace period expires. Otherwise, related service functions may be unavailable or the configuration may become invalid.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.3
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0005
Alarm Name	hwGtlNearDeadline
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.8 hwGtlNearDeadline-Cleared

Trap Buffer Parameters

Parameter	Description
hwGtlRemainTime	Time when the feature can remain in the grace period.
hwGtlFeatureName	Name of the feature in the grace period.
hwGtlChassisID	Description of a subrack or board.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.3	hwGtlFeatureName	-
1.3.6.1.4.1.2011.5.25.142.1.4	hwGtlRemainTime	-
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services are not affected.

Possible Causes

- Cause 1: License file expires.
- Cause 2: License file has been revoked.
- Cause 3: ESN mismatches.
- Cause 4: The V/R version does not match.

Procedure

1. Apply for a new license file from Huawei before the grace period expires. For details, see the License Usage Guide of the corresponding product.
2. Upload the license file to the device.
3. Run the license active <filename> command in the user view to activate the license file.

4.4.3 LCS_1.3.6.1.4.1.2011.5.25.142.2.6 hwGtlItemMismatch

Trap Buffer Description

The license item of slot [hwGtlChassisID] mismatched with the main board.

The license control item or serial number of the specified chassis is inconsistent with that of the active MPU of the master chassis.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.6
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0007
Alarm Name	hwGtlItemmismatch
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.9 hwGtlItemMismatch-Cleared

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Description of the current chassis or board ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services will not be affected.

Possible Causes

The license item or serial number of the chassis mismatched with that of the main chassis.

Procedure

1. Apply for a license file that matches the active MPU of the master chassis. For details, see the License Usage Guide of the corresponding product.
2. Upload the license file to the device.
3. Run the license active <filename> command in the user view to activate the license file.

4.4.4 LCS_1.3.6.1.4.1.2011.5.25.142.2.7 hwGtlDefaultValueCleared

Trap Buffer Description

The license file state is changed. (SlotID=[hwGtlChassisID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.7

Trap Attribute	Description
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0006
Alarm Name	hwGtlDefaultValue
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.1 hwGtlDefaultValue

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	ID of the chassis to which the license file belongs

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.1	hwGtlDefaultValueReason	-
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services will not be affected.

Possible Causes

A new license file was activated.

Procedure

- This alarm is informational only, and no action is required.

4.4.5 LCS_1.3.6.1.4.1.2011.5.25.142.2.8 hwGtlNearDeadlineCleared

Trap Buffer Description

The license file state is changed. (FeatureName=[hwGtlFeatureName], SlotID=[hwGtlChassisID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.8
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0005
Alarm Name	hwGtlNearDeadline
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.3 hwGtlNearDeadline

Trap Buffer Parameters

Parameter	Description
hwGtlFeatureName	Name of the feature in the grace period.
hwGtlChassisID	Description of a subrack or board.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.3	hwGtlFeatureName	-
1.3.6.1.4.1.2011.5.25.142.1.4	hwGtlRemainTime	-
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services will not be affected.

Possible Causes

The status of the license file was changed.

Procedure

- This alarm is informational only, and no action is required.

4.4.6 LCS_1.3.6.1.4.1.2011.5.25.142.2.9
hwGtlItemMismatchCleared

Trap Buffer Description

The license file is valid.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.9
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c0007
Alarm Name	hwGtlItemmismatch
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.6 hwGtlItemMismatch

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Description of the current chassis or board ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services will not be affected.

Possible Causes

The license item and serial number which matches that of the main chassis was used by the chassis.

Procedure

- This alarm is informational only, and no action is required.

4.4.7 LCS_1.3.6.1.4.1.2011.5.25.142.2.24 hwGtlInitial

Trap Buffer Description

The license was activated abnormally because it had been initialized.
(ChassisID=[hwGtlChassisID], BoardID=[hwGtlBoardID])

The license file was activated abnormally because it had been initialized.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.24
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c2014
Alarm Name	hwGtlInitial
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.25 hwGtlInitialCleared

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Indicates the chassis ID.
hwGtlBoardID	Indicates the board ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-
1.3.6.1.4.1.2011.5.25.142.1.10	hwGtlBoardID	-

Impact on the System

Some functions may fail or run improperly.

Possible Causes

The license file had been initialized.

Procedure

Check whether service functions are invalid or abnormal.

- If the service functions are valid or normal, manually clear the alarm or restart the device to clear the alarm.
- contact technical support personnel.

4.4.8 LCS_1.3.6.1.4.1.2011.5.25.142.2.25 hwGtlInitialCleared

Trap Buffer Description

The license was activated normally. (ChassisID=[hwGtlChassisID], BoardID=[hwGtlBoardID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.25

Trap Attribute	Description
MIB	HUAWEI-GTL-MIB
Alarm ID	0x095c2014
Alarm Name	hwGtlInitial
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.24 hwGtlInitial

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Indicates the chassis ID.
hwGtlBoardID	Indicates the board ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-
1.3.6.1.4.1.2011.5.25.142.1.10	hwGtlBoardID	-

Impact on the System

Services will not be affected.

Possible Causes

The license file was activated normally.

Procedure

- This log message is informational only, and no action is required.

4.4.9 LCS_1.3.6.1.4.1.2011.5.25.142.2.26 hwGtlFunctionInactive

Trap Buffer Description

Item is inactive. (ItemName=[hwGtlItemName])

License is inactivate.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.26
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00F1010a
Alarm Name	hwGtlFunctionInactive
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.27 hwGtlFunctionInactiveCleared

Trap Buffer Parameters

Parameter	Description
hwGtlItemName	Function item name.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.8.1.2	hwGtlItemName	hwGtlItemIndex

Impact on the System

This alarm may cause service functions to be abnormal.

Possible Causes

An inactive license function is used.

Procedure

- Run the display license command to view information about an active license file, and activate the license file with this function control item.

4.4.10 LCS_1.3.6.1.4.1.2011.5.25.142.2.27 hwGtlFunctionInactiveCleared

Trap Buffer Description

The alarm indicating that item is inactive was cleared.
(ItemName=[hwGtlItemName])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.27
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00F1010a
Alarm Name	hwGtlFunctionInactive
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.26 hwGtlFunctionInactive

Trap Buffer Parameters

Parameter	Description
hwGtlItemName	Function item name.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.8.1.2	hwGtlItemName	hwGtlItemIndex

Impact on the System

Services will not be affected.

Possible Causes

The function control item of the license is activated.

Procedure

- This log message is informational only, and no action is required.

4.4.11 LCS_1.3.6.1.4.1.2011.5.25.142.2.36
hwGtlTrialResFeatureEnable

Trap Buffer Description

The trial of resource items has been enabled.
(RemainDay=[hwGtlItemTrialResRemainTime])
The trial of resource items has been enabled and will be disabled after expiration.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.36
MIB	HUAWEI-GTL-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
hwGtlItemTrialResRemainTime	Remaining time, in days.
hwGtlItemIndex	Index of a resource item.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.8.1.9	hwGtlItemTrialResRe-mainTime	hwGtlItemIndex

Impact on the System

The system is not affected.

Possible Causes

The resource item trial function is enabled.

Procedure

1. Apply for a new license file from Huawei before the trial period of the resource item ends. For details, see the License Usage Guide of the corresponding product.
2. Upload the license file to the device.
3. Run the license active <filename> command in the user view to activate the license file.

4.4.12 LCS_1.3.6.1.4.1.2011.5.25.142.2.37
hwGtlTrialResFeatureDisable

Trap Buffer Description

- The trial time of resource items is over.
- The trial period of the resource ends.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.37
MIB	HUAWEI-GTL-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.

Trap Attribute	Description
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

None

VB Parameters

None

Impact on the System

The system will not be affected.

Possible Causes

Cause 1: The trial period of the resource item expires.

Cause 2: The trial function of the resource item is manually disabled.

Cause 3: A new license file is activated in the current system.

Procedure

1. Run the more command to check whether a license file that contains trial resource control items is applied for in the current system.

- If so, go to step 3.
- If not, go to step 2.

2. Apply for a license file and activate it. Then, check whether the alarm is cleared.

- If so, go to step 4.
- If not, go to step 3.

3. Collect trap, log, and configuration information, and contact technical support personnel.

4. End.

4.4.13 LCS_1.3.6.1.4.1.2011.5.25.142.2.38 hwGtlFeatureFunInactive

Trap Buffer Description

Item is inactive. (ItemName=[hwGtlItemName],
FeatureName=[hwGtlFeatureName])

The license item is not activated.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.38
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00F102a4
Alarm Name	hwGtlFeatureFunInactive
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.39 hwGtlFeatureFunInactiveCleared

Trap Buffer Parameters

Parameter	Description
hwGtlItemName	Name of a function control item.
hwGtlFeatureName	Feature name.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.8.1.2	hwGtlItemName	hwGtlItemIndex
1.3.6.1.4.1.2011.5.25.142.1.3	hwGtlFeatureName	-

Impact on the System

Service functions may be abnormal.

Possible Causes

Cause 1: The license file was not loaded.

Cause 2: The license file has not been activated after being uploaded to the device.

Cause3: The license file does not contain the corresponding control item although it has been activated.

Procedure

Cause 1: The license file is not loaded.

- Run the display license command to check the license activation status and detailed information. Upload and activate an inactive license file.

Cause 2: The license file has been uploaded to the device, but the license file has not been activated.

- Run the display license command to check the license activation status and detailed information. Activate the license file that is not activated.

Cause 3: The license file has been activated but does not contain the corresponding control item.

- Apply to Huawei for a license file that contains the corresponding control item and run the license active <filename> command in the user view to activate the license file.

4.4.14 LCS_1.3.6.1.4.1.2011.5.25.142.2.39
hwGtlFeatureFunInactiveCleared

Trap Buffer Description

The alarm indicating that item is inactive was cleared.
(ItemName=[hwGtlItemName], FeatureName=[hwGtlFeatureName])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.39
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00F102a4
Alarm Name	hwGtlFeatureFunInactive
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.38 hwGtlFeatureFunInactive

Trap Buffer Parameters

Parameter	Description
hwGtlItemName	Name of a function control item.
hwGtlFeatureName	Feature name.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.8.1.2	hwGtlItemName	hwGtlItemIndex
1.3.6.1.4.1.2011.5.25.142.1.3	hwGtlFeatureName	-

Impact on the System

This alarm has no adverse impact on the system.

Possible Causes

The function control item of the license is activated.

Procedure

- This log message is informational only, and no action is required.

4.4.15 LCS_1.3.6.1.4.1.2011.5.25.142.2.40
hwGtlLicenseStateChange

Trap Buffer Description

License state changed from [hwGtlLicensePreviousState] to [hwGtlLicenseState].

The status of the license file changes.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.40
MIB	HUAWEI-GTL-MIB

Trap Attribute	Description
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
hwGtlLicensePreviousState	Original license status.
hwGtlLicenseState	Target license status.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.13	hwGtlLicensePrevious-State	-
1.3.6.1.4.1.2011.5.25.142.1.14	hwGtlLicenseState	-

Impact on the System

The system is not affected.

Possible Causes

The status of the license file changes.

Procedure

1. This message is informational only, and no action is required.

4.4.16 LCS_1.3.6.1.4.1.2011.5.25.142.2.45 hwGtlItemNearExpire

Trap Buffer Description

The SnS of the cloud-based license sales item has expired. Please renew it in time.
(Chassis ID = [hwGtlChassisID])

The annual fee of the cloud-based license sales item has expired. Renew the license in a timely manner. For details about the expired sales items, run the display license command.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.45
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f103e6
Alarm Name	hwGtlItemNearExpire
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.46 hwGtlItemNearExpireResume

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Chassis (or slot) ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services are not affected.

Possible Causes

The SnS of the cloud-based license sales item has expired.

Procedure

Apply for annual fee renewal and deliver the /lcs:license-assign packet to update the license item.

4.4.17 LCS_1.3.6.1.4.1.2011.5.25.142.2.46 hwGtlItemNearExpireResume

Trap Buffer Description

The SnS of the cloud-based license sales item state has changed.
(ChassisID=[hwGtlChassisID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.46
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f103e6
Alarm Name	hwGtlItemNearExpire
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.45 hwGtlItemNearEx- pire

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Chassis (or slot) ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Services will not be affected.

Possible Causes

The SnS of the cloud-based license sales item state has changed.

Procedure

This trap message is informational only, and no action is required.

4.4.18 LCS_1.3.6.1.4.1.2011.5.25.142.2.47 hwGtlItemExpire

Trap Buffer Description

The SnS of the cloud-based license sales item expires. Renew the license in time.
(Chassis ID=[hwGtlChassisID])

The SnS of the cloud-based license sales item expires. Renew the license in a timely manner. For details about the expired sales items, run the display license command.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.47
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f103a2
Alarm Name	hwGtlItemExpire
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.48 hwGtlItemExpireResume

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Chassis (or slot) ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Service will not be affected.

Possible Causes

The SnS of the cloud-based license sales item expires.

Procedure

Apply for annual fee renewal and deliver the /lcs:license-assign packet to update the license item.

4.4.19 LCS_1.3.6.1.4.1.2011.5.25.142.2.48
hwGtlItemExpireResume

Trap Buffer Description

The SnS of the cloud-based license sales item is within the validity period. (Chassis ID=[hwGtlChassisID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.48
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f103a2
Alarm Name	hwGtlItemExpire
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.47 hwGtlItemExpire

Trap Buffer Parameters

Parameter	Description
hwGtlChassisID	Chassis (or slot) ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.9	hwGtlChassisID	-

Impact on the System

Service will not be affected.

Possible Causes

The SnS of the cloud-based license sales item is within the validity period.

Procedure

The trap message is information only, and no action is required.

4.4.20 LCS_1.3.6.1.4.1.2011.5.25.142.2.49 hwGtlCloudNearDeadline

Trap Buffer Description

Cloud license is near deadline, remain time is [hwGtlRemainTime] day (s).

The cloud-based license is about to expire. Reallocate new license resources before the grace period expires. Otherwise, related service functions may be unavailable or the configuration may become invalid.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.49
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f1043b
Alarm Name	hwGtlCloudNearDeadline

Trap Attribute	Description
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.50 hwGtlCloudNearDeadlineCleared

Trap Buffer Parameters

Parameter	Description
hwGtlRemainTime	1

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.4	hwGtlRemainTime	-

Impact on the System

Before the grace period expires, services are not affected.

Possible Causes

Cloud license has been revoked.

Procedure

Before the grace period expires, the /lcs:license-assign packet is delivered to reallocate the cloud license.

4.4.21 [LCS_1.3.6.1.4.1.2011.5.25.142.2.50](#)
[hwGtlCloudNearDeadlineCleared](#)

Trap Buffer Description

The cloud license state is changed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm

Trap Attribute	Description
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.50
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f1043b
Alarm Name	hwGtlCloudNearDeadline
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.49 hwGtlCloudNearDeadline

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.4	hwGtlRemainTime	-

Impact on the System

Services will not be affected.

Possible Causes

The status of the license file was changed.

Procedure

- This alarm is informational only, and no action is required.

4.4.22 LCS_1.3.6.1.4.1.2011.5.25.142.2.56 hwGtlDataDamaged

Trap Buffer Description

The license fails to be activated during system startup because the license data is damaged. (Position=[hwGtlPosition])

The license fails to be activated during system startup because the current license data is damaged.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.56
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f10506
Alarm Name	hwGtlDataDamaged
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.57 hwGtlDataDamage-dResume

Trap Buffer Parameters

Parameter	Description
hwGtlPosition	Location of the license data.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.20	hwGtlPosition	-

Impact on the System

Related service functions may be unavailable or configurations may become invalid.

Possible Causes

The license data on the device is damaged. As a result, the license fails to be activated during system startup.

Procedure

1. Upload the new license file to the device. To apply for a new license file, see the License Usage Guide of the corresponding product.

2. Run the license active <filename> command in the user view to activate the license file.

4.4.23 LCS_1.3.6.1.4.1.2011.5.25.142.2.57 hwGtlDataDamagedResume

Trap Buffer Description

The license data damage alarm has been cleared. (Position=[hwGtlPosition])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.142.2.57
MIB	HUAWEI-GTL-MIB
Alarm ID	0x00f10506
Alarm Name	hwGtlDataDamaged
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	LCS_1.3.6.1.4.1.2011.5.25.142.2.56 hwGtlDataDamaged

Trap Buffer Parameters

Parameter	Description
hwGtlPosition	Location of the license data.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.142.1.20	hwGtlPosition	-

Impact on the System

Services are not affected.

Possible Causes

Reactivate a license file.

Procedure

This trap message is informational only, and no action is required.

4.5 SSH

4.5.1 SSH_1.3.6.1.4.1.2011.5.25.207.2.8 hwSSHLoginFailed

Trap Buffer Description

Users failed to login ssh server too frequently. (failed times=[hwUserInfoLoginFailedTimes], statistic period=[hwUserInfoStatisticPeriod] minutes)

The number of login failures of SSH server during a specified period exceeded the threshold.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.8
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F10072
Alarm Name	hwSSHLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	SSH_1.3.6.1.4.1.2011.5.25.207.2.10 hwSSHLoginFailed-Clear

Trap Buffer Parameters

Parameter	Description
hwUserInfoLoginFailedTimes	Indicates the number of login failures.
hwUserInfoStatisticPeriod	Indicates the interval for collecting the number of login failures.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.1	hwUserInfoLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.207.1.5.2	hwUserInfoStatisticPeriod	-

Impact on the System

The system may be under attack.

Possible Causes

The number of login failures of SSH server during a specified period exceeded the threshold.

Procedure

1. By default, an alarm is generated when 30 or more login failures occur within 5 minutes, and the alarm is cleared when the number of login failures within 5 minutes is less than 20.
2. Contact the administrator to obtain the correct SSH user name and password and log in to the device again. After the login is successful, the alarm is cleared after a statistical period.
3. Run the display current-configuration configuration ssh include-default | include login-failed command to query the threshold for the number of SSH server login failures within a specified period.
 - This alarm is cleared when the number of login failures within a specified period (unit: minute) specified by ssh server login-failed threshold-alarm is less than the alarm clearance threshold.

4.5.2 SSH_1.3.6.1.4.1.2011.5.25.207.2.10 hwSSHLoginFailedClear

Trap Buffer Description

The ssh user login-failed alarm was cleared.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error

Trap Attribute	Description
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.10
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F10072
Alarm Name	hwSSHLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	SSH_1.3.6.1.4.1.2011.5.25.207.2.8 hwSSHLoginFailed

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.1	hwUserInfoLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.207.1.5.2	hwUserInfoStatisticPeriod	-

Impact on the System

Services are not affected.

Possible Causes

The ssh user login-failed alarm was cleared.

Procedure

- The log is informational only, and no action is required.

4.6 SYSCLOCK

4.6.1 SYSCLOCK_1.3.6.1.4.1.2011.5.25.205.2.1 hwClockChanged

Trap Buffer Description

The system UTC time is changed with UTCTime [UTCTime].

The UTC clock of the system is changed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.205.2.1
MIB	HUAWEI-SYS-CLOCK-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UTCTime	Standard time of the system.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.205.1.2	hwUTCCLock	-

Impact on the System

The system is not affected.

Possible Causes

The UTC time of the system is changed.

Procedure

This message is informational only, and no action is required.

4.7 SYSTEM

4.7.1 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.1 hwSysClockChangedNotification

Trap Buffer Description

The local time is changed with LocalTime. (LocalTime=[LocalTime])

The device time is changed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.1
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
LocalTime	Device time.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.1.1	hwSysLocalClock	-

Impact on the System

Services are not affected.

Possible Causes

The local time of the device is changed using the clock datetime command.

Procedure

This message is informational only, and no action is required.

4.7.2 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.2
hwSysReloadNotification

Trap Buffer Description

The board was reboot. (ReloadIndex=[ReloadIndex], ReloadImage=[ReloadImage], ReloadCfg=[ReloadCfg], ReloadReason=[ReloadReason], ReloadTime=[ReloadTime], ReloadAction=[ReloadAction], ReloadPaf=[ReloadPaf], ReloadLicense=[ReloadLicense], ReloadPatch=[ReloadPatch]).

Indicates a board restart notification.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.2
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
ReloadIndex	Index of the device to be restarted.

Parameter	Description
ReloadImage	Index of the image file used for the next startup.
ReloadCfg	Index of the configuration file used for the next startup.
ReloadReason	Cause of the restart (for example, loading a cold patch and restarting the device for the patch to take effect)
ReloadTime	Restart time. For example, # 0x07 0xDB 0x01 0x03 0x08 0x32 0x01 0x01 indicates 2011-01-03 08:50:11.
ReloadAction	Restart action value.
ReloadPaf	Index of the PAF file used for the next startup.
ReloadLicense	Index of the license file used for the next startup.
ReloadPatch	Index of the patch file used for the next startup.
ReloadAndroidFile	Index of the Android file used for the next startup.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.4	hwSysReloadImage	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.3	hwSysReloadCfgFile	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.5	hwSysReloadReason	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.6	hwSysReloadSchedule-Time	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.2	hwSysReloadAction	-
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.8	hwSysReloadPafFile	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.9	hwSysReloadLicenseFile	hwSysReloadScheduleIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.10	hwSysReloadPatchFile	hwSysReloadScheduleIndex
1.3.6.1.4.1.2011.5.25.19.1.3.3.1.15	hwSysReloadAndroidFile	hwSysReloadScheduleIndex

Impact on the System

The board is restarted.

Possible Causes

The board is restarted.

Procedure

1. Check whether the cause of the board restart is normal.
- If so, go to Step 4.
 - If not, go to Step 2.
2. Run the display device command to check whether the board status is normal.
- If so, go to Step 4.
 - If not, go to Step 3.
3. Collect alarm, log, and configuration information, and contact technical support personnel.
4. End.

4.7.3 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.8
hwSysSlaveSwitchSuccessNotification

Trap Buffer Description

Succeeded to run slave switch with SlvSwitchIndex [SlvSwitchIndex], ChassisNum[ChassisNum], SlaveSwitchSrc[SlaveSwitchSrc], SlaveSwitchDst[SlaveSwitchDst].

The active/standby switchover is successful.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Critical

Trap Attribute	Description
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.8
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
SlvSwitchIndex	Index of the active/standby switchover.
ChassisNum	Chassis ID.
SlaveSwitchSrc	Source end of the active/standby switchover.
SlaveSwitchDst	Destination end of the active/standby switchover.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.3.7.1.2	hwSysSlaveSwitchChassisNum	hwSysSlaveSwitchIndex
1.3.6.1.4.1.2011.5.25.19.1.3.7.1.5	hwSysSlaveSwitchSrc	hwSysSlaveSwitchIndex
1.3.6.1.4.1.2011.5.25.19.1.3.7.1.6	hwSysSlaveSwitchDst	hwSysSlaveSwitchIndex

Impact on the System

None

Possible Causes

This log is generated when the active/standby switchover is successful.

Procedure

- This message is informational only, and no action is required.

4.7.4 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.9 hwSysSlaveSwitchFailNotification

Trap Buffer Description

Failed to run slave switch with SlvSwitchIndex [SlvSwitchIndex],
ChassisNum[ChassisNum].

The active/standby switchover fails.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.9
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
SlvSwitchIndex	Index of the active/standby switchover.
ChassisNum	Chassis ID.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.3.7.1.2	hwSysSlaveSwitchChassisNum	hwSysSlaveSwitchIndex

Impact on the System

None

Possible Causes

This log is generated when an active/standby switchover fails.

Procedure

1. Check whether the standby board is online. If the standby board is still online, collect log and configuration information, and contact technical support personnel.

4.7.5 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.10 hwSysIssuNotification

Trap Buffer Description

System upgrade with IssuState [IssuState], IssuCdtCheck [IssuCdtCheck].

The system performs an ISSU.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.10
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
IssuState	ISSU status.
IssuCdtCheck	ISSU condition check.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.12.2	hwIssuState	-
1.3.6.1.4.1.2011.5.25.19.1.12.3	hwIssuConditionCheck	-

Impact on the System

Services are not affected.

Possible Causes

This log message is recorded when the system performed an ISSU.

Procedure

- This message is informational only, and no action is required.

4.7.6 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.11 hwPatchInstallFail

Trap Buffer Description

Patch operation failed. (SlotIndex=[SlotIndex], PatchIndex=[PatchIndex], PackageName=[PackageName], PackageVersion=[PackageVersion], FailReason=[FailReason], PhysicalName=[PhysicalName])

The patch package fails to be installed.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.11
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	0x0d160004
Alarm Name	hwPatchInstallFail
Alarm Type	processingErrorAlarm
Raise or Clear	Raise
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.12 hwPatchInstallFailClear

Trap Buffer Parameters

Parameter	Description
SlotIndex	Index of the board where the patch file is located. If it is set to 128, the UGW9811 reports only one alarm.
PatchIndex	Index of the patch file.
PackageName	Patch file name.
PackageVersion	Patch file version.
FailReason	Cause of the patch installation failure.
PhysicalName	Name of the entity where the patch file is located. When the value of SlotIndex is 128, PhysicalName indicates the system control board, indicating that the device reports an alarm.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.3	hwPatchUsedFileName	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.4	hwPatchVersion	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.1.8	hwPatchFailReason	-
1.3.6.1.4.1.2011.5.25.219.1.26	hwEntPhysicalName	-

Impact on the System

Services are not affected.

Possible Causes

- Cause 1: Failed to read the configuration information of the patch package
- Cause 2: Failed to get the patch packet files.
- Cause 3: The memory space of the memory was not enough
- Cause 4: The patch conflicted with the previous one
- Cause 5: The patch package version was incorrect

- Cause 8: Failed to synchronize the patch package file because of insufficient disk space
- Cause 9: The patch configuration is inconsistent

Procedure

- Cause 1: Failed to read the configuration information of the patch package
 1. Reinstall the patch package. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.
 - If yes, go to step 3.
 - If no, go to step 2.
 2. Collect logs and contact technical support.
 3. End.
- Cause 2: Failed to get the patch packet files.
 1. Upload the patch package again and install it. After the installation is complete, check whether the patch package is in the run state. If the patch package is in the run state, the installation is successful.
 - If yes, go to step 3.
 - If no, go to step 2.
 2. Collect logs and contact technical support.
 3. End.
- Cause 3: The memory space of the memory was not enough
 1. Run the dir command to check whether the remaining space is sufficient.
 - If yes, go to step 3.
 - If no, go to step 2.
 2. Clear the space and reinstall the patch package. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.
 - If yes, go to step 4.
 - If no, go to step 3.
 3. Collect logs and contact technical support.
 4. End.
- Cause 4: The patch conflicted with the previous one
 1. Uninstall the current patch and reinstall the patch package. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.

- If yes, go to step 4.
 - If no, go to step 2.
- 2. Restart the device and install the patch package. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.
 - If yes, go to step 4.
 - If no, go to step 3.
- 3. Collect logs and contact technical support.
- 4. End.
- Cause 5: The patch package version was incorrect
 - 1. Check whether the patch package version is consistent with the system software package version.
 - If yes, go to step 3.
 - If no, go to step 2.
 - 2. Install the patch of the correct version and reinstall the patch package. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.
 - If yes, go to step 4.
 - If no, go to step 3.
 - 3. Collect logs and contact technical support.
 - 4. End.
- Cause 8: Failed to synchronize the patch package file because of insufficient disk space
 - 1. Clear the space on the slave board, re-install the patch package, and restart the slave board. After the restart, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, it indicates that the patch package is installed successfully.
 - If yes, go to step 3.
 - If no, go to step 2.
 - 2. Collect logs and contact technical support.
 - 3. End.
- Cause 9: The patch configuration is inconsistent
 - 1. Check whether the patch is correctly made.
 - If yes, go to step 3.
 - If no, go to step 2.
 - 2. Make a correct patch package and reinstall the patch package. After the patch package is installed, run the display patch-information command to

check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.

- If yes, go to step 5.
- If no, go to step 3.

3. Reinstall the patch package after the environment is stable. After the patch package is installed, run the display patch-information command to check whether the patch package is in the run state. If the patch package is in the run state, the patch package is successfully installed.

- If yes, go to step 5.
- If no, go to step 4.

4. Collect logs and contact technical support.

5. End.

4.7.7 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.12 hwPatchInstallFailClear

Trap Buffer Description

The patch-operation failure alarm is cleared. (SlotIndex=[SlotIndex], PatchIndex=[PatchIndex], PackageName=[PackageName], PackageVersion=[PackageVersion], FailReason=[FailReason], PhysicalName=[PhysicalName])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.12
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	0x0d160004
Alarm Name	hwPatchInstallFail
Alarm Type	processingErrorAlarm
Raise or Clear	Clear
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.11 hwPatchInstallFail

Trap Buffer Parameters

Parameter	Description
SlotIndex	Index of the board where the patch file is located. If it is set to 128, the UGW9811 reports only one alarm.
PatchIndex	Index of the patch file.
PackageName	Patch file name.
PackageVersion	Patch file version.
FailReason	Cause of the patch installation failure.
PhysicalName	Name of the entity where the patch file is located. When the value of SlotIndex is 128, PhysicalName indicates the system control board, indicating that the device reports an alarm.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.3	hwPatchUsedFileName	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.4	hwPatchVersion	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.1.8	hwPatchFailReason	-
1.3.6.1.4.1.2011.5.25.219.1.26	hwEntPhysicalName	-

Impact on the System

Services are not affected.

Possible Causes

- Cause 6: The patch package was deleted
- Cause 7: The patch package installation succeeded

Procedure

This log message is informational only, and no action is required.

4.7.8 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.13 hwSumUpgradeSuccess

Trap Buffer Description

For system [sysIndex], upgrade [CurrentPackageVersion] successfully.

The current version of the system is upgraded successfully.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.13
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
sysIndex	System index.
CurrentPackageVersion	Version number that is successfully upgraded.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.4.2.1.5	hwSysImageVersion	hwSysImageIndex

Impact on the System

The system is not affected.

Possible Causes

The current system is upgraded successfully.

Procedure

This message is informational only, and no action is required.

4.7.9 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.15 hwSysImageErrorNotification

Trap Buffer Description

The next startup image package is error. (imageIndex=[imageIndex], curlImageName=[curlImageName], nextImageName=[nextImageName], errReason=[errReason])

An error occurs in the image file for the next startup.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Warning
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.15
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
imageIndex	Index of the current file.
curlImageName	Name of the current image file.
nextImageName	Name of the image file for the next startup.
errReason	Error cause.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.4.2.1.2	hwSysImageName	hwSysImageIndex
1.3.6.1.4.1.2011.5.25.19.1.4.2.1.6	hwSysImageReason	hwSysImageIndex

Impact on the System

Services are not affected.

Possible Causes

The image file is incorrect.

Procedure

- 1. Obtain a new image file based on the error cause.
- 2. Collect log and configuration information, and contact technical support personnel.

4.7.10 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.5.1 hwPatchErrorTrap

Trap Buffer Description

Failed to operate patch. (PatchErrorIndex =[PatchErrorIndex], SlotIndex=[SlotIndex], PkgIndex =[PkgIndex], ErrorCode=[ErrorCode], PkgName=[PkgName])

Failed to operate the patch.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.5.1
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.

Trap Attribute	Description
Match trap	-

Trap Buffer Parameters

Parameter	Description
PatchErrorIndex	Index of a patch operation failure.
SlotIndex	Index of the card where the patch is installed.
PkgIndex	Index of a patch package.
ErrorCode	Operation error code.
PkgName	Name of a patch package.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.8.5.4.1.2	hwPatchErrorSlot	hwPatchErrorIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.4.1.4	hwPatchErrorPatchIndex	hwPatchErrorIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.4.1.5	hwPatchErrorCode	hwPatchErrorIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.4.1.3	hwPatchErrorPatchFile-Name	hwPatchErrorIndex

Impact on the System

Services are not affected.

Possible Causes

- Error code 7: The patch version does not match the system software package version.
- Error code 187: The patch does not exist.
- Other error codes: Patch package operation fails.

Procedure

- Error code 7: Determine the patch version and perform the correct patch operation again.

- Error code 187: After the patch file is uploaded to the device, perform the correct patch operation again.
- Other error codes: Perform the correct patch operation again based on the error code information in the log. Collect log and configuration information, and contact technical support personnel.

4.7.11 SYSTEM_1.3.6.1.4.1.2011.5.25.19.2.5.4 hwPatchUpdateTrap

Trap Buffer Description

The patch with slot [PatchSlotIndex], patch index [PatchIndex], version [PatchVersion] and type [PatchType] has updated to the state [PatchState].

The patch is updated to the new state.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.19.2.5.4
MIB	HUAWEI-SYS-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
PatchSlotIndex	Slot index of a system-level event. The value is fixed at 128.
PatchIndex	Patch index.
PatchVersion	Patch version number.
PatchType	Patch type.
PatchState	Patch status.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.4	hwPatchVersion	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.10	hwPatchType	hwPatchSlotIndex hwPatchIndex
1.3.6.1.4.1.2011.5.25.19.1.8.5.1.1.14	hwPatchOperateState	hwPatchSlotIndex hwPatchIndex

Impact on the System

Services are not affected.

Possible Causes

The current patch status changes.

Procedure

- This message is informational only, and no action is required.

4.7.12 SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.4.1
hwCPUUtilizationRisingAlarm

Trap Buffer Description

The CPU usage exceeded the pre-set overload threshold.
(TrapSeverity=[TrapSeverity], ProbableCause=[ProbableCause],
EventType=[EventType], PhysicalIndex=[PhysicalIndex],
PhysicalName=[PhysicalName], RelativeResource=[RelativeResource],
UsageType=[UsageType], SubIndex=[SubIndex], CpuUsage=[CpuUsage],
Unit=[Unit], CpuUsageThreshold=[CpuUsageThreshold])

Continuously sample CPU usage. In a sampling interval, if the CPU usage sampled each time is greater than the overload threshold, this alarm is generated. The default sampling interval is 8 minutes.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.129.2.4.1
MIB	HUAWEI-BASE-TRAP-MIB

Trap Attribute	Description
Alarm ID	0x00010084
Alarm Name	hwCPUUtilizationRisingAlarm
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.4.2 hwCPUUtilizationResume

Trap Buffer Parameters

Parameter	Description
TrapSeverity	Indicates the alarm severity.
ProbableCause	Indicates the alarm cause.
EventType	Indicates the alarm type.
PhysicalIndex	Physical index.
PhysicalName	Entity name.
RelativeResource	Indicates the name of the related resource.
UsageType	Indicates the overload type.
SubIndex	Entity sub-index.
CpuUsage	Indicates the CPU usage.
Unit	Unit.
CpuUsageThreshold	Indicates the CPU threshold.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.1	hwBaseTrapSeverity	-
1.3.6.1.4.1.2011.5.25.129.1.2	hwBaseTrapProbable-Cause	-
1.3.6.1.4.1.2011.5.25.129.1.3	hwBaseTrapEventType	-
1.3.6.1.2.1.47.1.1.1.1.7	entPhysicalName	entPhysicalIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.4	hwBaseTrapRelativeResource	-
1.3.6.1.4.1.2011.5.25.129.1.7.1.3	hwBaseUsageValue	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.4	hwBaseUsageUnit	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.5	hwBaseUsageThreshold	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex

Impact on the System

Services are not affected in a short period. However, if the CPU usage is too high for a long period, services may not be processed in a timely manner. As a result, the system performance, such as the time taken to respond to the user interface, neighbor status, or route convergence performance, will be affected.

Possible Causes

- Cause 1: The CPU usage exceeded the pre-set overload threshold.
- Cause 74240: The CPU usage exceeded the pre-set overload threshold.

Procedure

- Cause 1: The CPU usage exceeded the pre-set overload threshold.
 1. Run the display cpu-usage service and display cpu-usage configuration commands to check the CPU usage and the overload threshold.
 - If the CPU usage is higher than the overload threshold, go to Step 2.
 - If the CPU usage is lower than the overload threshold, go to Step 4.
 2. Reduce unnecessary services and configurations to reduce the CPU usage. Then, check whether the alarm is cleared.
 - If the alarm is not generated, go to Step 5.
 - If the alarm persists, go to Step 3.
 3. Run the set cpu-usage threshold command to adjust the overload threshold. Then, check whether the alarm is cleared.
 - If the alarm is cleared, go to Step 5.
 - If the alarm persists, go to Step 4.
 4. Collect alarm and configuration information, and contact technical support personnel.

5. End.
- Cause 74240: The CPU usage exceeded the pre-set overload threshold.

1. Run the display cpu-usage and display cpu-usage configuration commands to check the current CPU usage and CPU usage threshold.

2. Delete unnecessary services and configurations to reduce the CPU usage as required. Then check whether the alarm is cleared.

– If the alarm is cleared, go to Step 4.

– If the alarm persists, go to Step 3.

3. Collect alarm and configuration information, and contact technical support personnel.

4. End.

4.7.13 SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.4.2

hwCPUUtilizationResume

Trap Buffer Description

The CPU usage falls below the pre-set clear threshold.
(TrapSeverity=[TrapSeverity], ProbableCause=[ProbableCause],
EventType=[EventType], PhysicalIndex=[PhysicalIndex],
PhysicalName=[PhysicalName], RelativeResource=[RelativeResource],
UsageType=[UsageType], SubIndex=[SubIndex], CpuUsage=[CpuUsage],
Unit=[Unit], CpuUsageThreshold=[CpuUsageThreshold])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Alert
Trap OID	1.3.6.1.4.1.2011.5.25.129.2.4.2
MIB	HUAWEI-BASE-TRAP-MIB
Alarm ID	0x00010084
Alarm Name	hwCPUUtilizationRisingAlarm
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.4.1 hwCPUUtilizationRisingAlarm

Trap Buffer Parameters

Parameter	Description
TrapSeverity	Indicates the alarm severity.
ProbableCause	Indicates the alarm cause.
EventType	Indicates the alarm type.
PhysicalIndex	Physical index.
PhysicalName	Entity name.
RelativeResource	Indicates the name of the related resource.
UsageType	Indicates the overload type.
SubIndex	Entity sub-index.
CpuUsage	Indicates the CPU usage.
Unit	Unit.
CpuUsageThreshold	Indicates the CPU threshold.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.1	hwBaseTrapSeverity	-
1.3.6.1.4.1.2011.5.25.129.1.2	hwBaseTrapProbableCause	-
1.3.6.1.4.1.2011.5.25.129.1.3	hwBaseTrapEventType	-
1.3.6.1.2.1.47.1.1.1.1.7	entPhysicalName	entPhysicalIndex
1.3.6.1.4.1.2011.5.25.129.1.4	hwBaseTrapRelativeResource	-
1.3.6.1.4.1.2011.5.25.129.1.7.1.3	hwBaseUsageValue	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.4	hwBaseUsageUnit	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.7.1.5	hwBaseUsageThreshold	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex

Impact on the System

If this alarm is generated, the system configuration error is rectified.

Possible Causes

The fault was rectified when the CPU usage exceeded the pre-set overload threshold.

Procedure

This alarm is informational only, and no action is required.

4.7.14 SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.6.1 hwStorageUtilizationRisingAlarm

Trap Buffer Description

The storage usage exceeded the pre-set overload threshold.
(TrapSeverity=[TrapSeverity], ProbableCause=[ProbableCause],
EventType=[EventType], PhysicalIndex=[PhysicalIndex],
PhysicalName=[PhysicalName], RelativeResource=[RelativeResource],
UsageType=[UsageType], SubIndex=[SubIndex], UsageValue=[UsageValue],
Unit=[Unit], UsageThreshold=[UsageThreshold])

Memory or storage usage was sampled for a period of time. In one sampling period (overload times x sampling interval), if each memory or storage usage sample exceeded the pre-set overload threshold, this alarm was generated.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.129.2.6.1
MIB	HUAWEI-BASE-TRAP-MIB
Alarm ID	0x00010085
Alarm Name	hwStorageUtilizationRisingAlarm
Alarm Type	qualityOfServiceAlarm

Trap Attribute	Description
Raise or Clear	Raise
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.6.2 hwStorageUtilizationResume

Trap Buffer Parameters

Parameter	Description
SubIndex	Entity sub-index
RelativeResource	Relevant resource name
TrapSeverity	Alarm severity
ProbableCause	Trap cause.
EventType	Alarm type
PhysicalIndex	Physical index
PhysicalName	Entity name
UsageType	Overload type. The value 1 indicates the CPU. The default sampling interval is 10 seconds, and the number of overload sampling times is 48. The value 2 indicates the memory. The default sampling interval is 1 second, and the number of overload sampling times is 2. The value 3 indicates a disk. The value 4 indicates flash memory. The value 5 indicates the CF card. The value 6 indicates the physical memory.
UsageValue	Storage usage
Unit	Unit
UsageThreshold	Threshold

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.1	hwBaseTrapSeverity	-
1.3.6.1.4.1.2011.5.25.129.1.2	hwBaseTrapProbable-Cause	-
1.3.6.1.4.1.2011.5.25.129.1.3	hwBaseTrapEventType	-
1.3.6.1.2.1.47.1.1.1.1.7	entPhysicalName	entPhysicalIndex
1.3.6.1.4.1.2011.5.25.129.1.4	hwBaseTrapRelativeResource	-
1.3.6.1.4.1.2011.5.25.129.1.7.1.3	hwBaseUsageValue	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.4	hwBaseUsageUnit	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.5	hwBaseUsageThreshold	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex

Impact on the System

- Cause 2: The storage usage of the CF card exceeded the pre-set overload threshold.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 3: The storage usage of the CF card exceeded the pre-set fully loaded threshold.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 4: The memory usage of one process exceeded the pre-set overload threshold.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.

- Cause 75264: The memory usage exceeded the pre-set overload threshold.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 75265: The storage usage of the CF card exceeded the pre-set overload threshold. The default overload threshold is 85%.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 75268: The storage usage of the CF card exceeded the pre-set fully loaded threshold. The default full load threshold is 85%.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 75269: The memory usage of one process exceeded the pre-set overload threshold. The max memory size is 3G for one process.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.
- Cause 75271: The forwarding CPU memory usage exceed the preset threshold.
 1. If services fail to apply for the memory, the system automatically restarts.
 2. If the storage medium space is insufficient, the log function and software upgrade are affected.

Possible Causes

- Cause 2: The storage usage of the CF card exceeded the pre-set overload threshold.
- Cause 3: The storage usage of the CF card exceeded the pre-set fully loaded threshold.
- Cause 4: The memory usage of one process exceeded the pre-set overload threshold.
- Cause 75264: The memory usage exceeded the pre-set overload threshold.
- Cause 75265: The storage usage of the CF card exceeded the pre-set overload threshold. The default overload threshold is 85%.
- Cause 75268: The storage usage of the CF card exceeded the pre-set fully loaded threshold. The default full load threshold is 85%.
- Cause 75269: The memory usage of one process exceeded the pre-set overload threshold. The max memory size is 3G for one process.
- Cause 75271: The forwarding CPU memory usage exceed the preset threshold.

Procedure

- Cause 2: The storage usage of the CF card exceeded the pre-set overload threshold.
 1. Run the `cd` command in the user view to enter the corresponding storage medium directory, and then run the `dir` command to check the storage space usage of the storage medium.
 - If the storage usage of the storage medium is higher than the overload threshold, go to Step 2.
 - If the storage medium usage is lower than the overload threshold, go to Step 3.
 2. Delete unnecessary files to reduce the storage space usage of the storage medium. Then, check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Collect alarm and configuration information, and contact technical support engineers.
- Cause 3: The storage usage of the CF card exceeded the pre-set fully loaded threshold.
 1. Run the `cd` command in the user view to enter the corresponding storage medium directory, and then run the `dir` command to check the storage space usage of the storage medium.
 - If the storage space usage of the storage medium is higher than the full-load threshold, go to Step 2.
 - If the storage medium usage is lower than the full-load threshold, go to Step 3.
 2. Delete unnecessary files to reduce the storage space usage of the storage medium. Then, check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Collect alarm and configuration information, and contact technical support engineers.
- Cause 4: The memory usage of one process exceeded the pre-set overload threshold.
 1. Run the `display memory` command to check the process with the highest memory usage.
 2. Delete unnecessary services and configurations, wait for 1 minute, and check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Collect alarm and configuration information, and contact technical support engineers.

- Cause 75264: The memory usage exceeded the pre-set overload threshold.
 1. Check the memory usage and overload threshold.
 - If the memory usage is higher than the overload threshold, go to Step 2.
 - If the memory usage is lower than the overload threshold, go to Step 4.
 2. Delete unnecessary services and configurations to reduce the memory usage. Then, check whether the alarm is cleared. When deleting service configurations, submit three to five service configurations at a time.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Adjust the overload threshold, and then check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 4.
 4. Collect log files and contact technical support personnel.
- Cause 75265: The storage usage of the CF card exceeded the pre-set overload threshold. The default overload threshold is 85%.
 1. Run the `cd` command in the user view to enter the `cfCard` directory, and then run the `dir` command to check the storage space usage of the `cfCard`.
 - If the CF card usage is higher than the overload threshold, go to Step 2.
 - If the CF card usage is lower than the overload threshold, go to Step 3.
 2. Delete unnecessary files to reduce the CF card storage space usage. Then check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Collect log files and contact technical support personnel.
- Cause 75268: The storage usage of the CF card exceeded the pre-set fully loaded threshold. The default full load threshold is 85%.
 1. Run the `cd` command in the user view to enter the `cfCard` directory, and then run the `dir` command to check the storage space usage of the `cfCard`.
 - If the CF card usage is higher than the full load threshold, go to Step 2.
 - If the CF card usage is lower than the full load threshold, go to Step 3.
 2. Delete unnecessary files to reduce the CF card storage space usage. Then check whether the alarm is cleared.
 - If the alarm is no longer generated, the problem is resolved.
 - If the alarm persists, go to Step 3.
 3. Collect log files and contact technical support personnel.
- Cause 75269: The memory usage of one process exceeded the pre-set overload threshold. The max memory size is 3G for one process.
 1. Run the `display memory slot <slotid>` command to check which process uses the most memory.

2. Delete unnecessary services and configurations. Wait for 1 minute and check whether the alarm is cleared.
 - Yes: Go to 4.
 - No: Go to 3.
3. Collect alarm, log, and configuration information, and contact technical support personnel.
4. End
- Cause 75271: The forwarding CPU memory usage exceed the preset threshold.
 1. Run the display health command to check detailed information about the CPU usage and memory usage threshold of the current board.
 2. Delete unnecessary services and configurations to reduce the memory usage based on the memory usage queried in Step 1. Then, check whether the alarm is cleared.
 - If the alarm is cleared, go to step 4.
 - If the alarm persists, go to step 3.
 3. Collect alarm and configuration information, and contact technical support personnel.
 4. End.

4.7.15 SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.6.2 hwStorageUtilizationResume

Trap Buffer Description

The storage usage falls below the pre-set clear threshold.
(TrapSeverity=[TrapSeverity], ProbableCause=[ProbableCause],
EventType=[EventType], PhysicalIndex=[PhysicalIndex],
PhysicalName=[PhysicalName], RelativeResource=[RelativeResource],
UsageType=[UsageType], SubIndex=[SubIndex], UsageValue=[UsageValue],
Unit=[Unit], UsageThreshold=[UsageThreshold])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.129.2.6.2
MIB	HUAWEI-BASE-TRAP-MIB
Alarm ID	0x00010085
Alarm Name	hwStorageUtilizationRisingAlarm
Alarm Type	qualityOfServiceAlarm

Trap Attribute	Description
Raise or Clear	Clear
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.129.2.6.1 hwStorageUtilizationRisingAlarm

Trap Buffer Parameters

Parameter	Description
TrapSeverity	Alarm severity
ProbableCause	Trap cause.
EventType	Alarm type
PhysicalIndex	Physical index
PhysicalName	Entity name
RelativeResource	Relevant resource name
UsageType	Overload type. The value 1 indicates the CPU. The default sampling interval is 10 seconds, and the number of overload sampling times is 48. The value 2 indicates the memory. The default sampling interval is 1 second, and the number of overload sampling times is 2. The value 3 indicates a disk. The value 4 indicates flash memory. The value 5 indicates the CF card. The value 6 indicates the physical memory.
SubIndex	Entity sub-index
UsageValue	Storage usage
Unit	Unit
UsageThreshold	Threshold

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.129.1.1	hwBaseTrapSeverity	-
1.3.6.1.4.1.2011.5.25.129.1.2	hwBaseTrapProbable-Cause	-
1.3.6.1.4.1.2011.5.25.129.1.3	hwBaseTrapEventType	-
1.3.6.1.2.1.47.1.1.1.1.7	entPhysicalName	entPhysicalIndex
1.3.6.1.4.1.2011.5.25.129.1.4	hwBaseTrapRelativeResource	-
1.3.6.1.4.1.2011.5.25.129.1.7.1.3	hwBaseUsageValue	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.4	hwBaseUsageUnit	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex
1.3.6.1.4.1.2011.5.25.129.1.7.1.5	hwBaseUsageThreshold	entPhysicalIndex hwBaseUsageType hwBaseUsageIndex

Impact on the System

If this alarm is generated, the system configuration error is rectified.

Possible Causes

- Cause 75264: The fault was rectified when the memory usage exceeded the pre-set overload threshold.
- Cause 75265: The fault was rectified when the storage usage of the CF card exceeded the pre-set overload threshold
- Cause 75268: The fault was rectified when the storage usage of the CF card exceeded the pre-set fully loaded threshold.
- Cause 75269: The fault was rectified when the memory usage of one process exceeded the pre-set overload threshold. The max memory size is 3G for one process.
- Cause 75271: The fault was rectified when the forwarding CPU memory usage exceed the preset threshold.
- Cause 75272: The fault was rectified when the physical memory usage exceeded the pre-ser overload threshold

Procedure

This message is informational only, and no action is required.

4.7.16 SYSTEM_1.3.6.1.4.1.2011.5.25.219.2.11.1 hwSystemConfigError

Trap Buffer Description

A system configuration error occurs. (EntityTrapFaultID = [EntityTrapFaultID])

The system configuration is incorrect.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical
Trap OID	1.3.6.1.4.1.2011.5.25.219.2.11.1
MIB	HUAWEI-ENTITY-TRAP-MIB
Alarm ID	0x0D300004
Alarm Name	hwSystemConfigError
Alarm Type	equipmentAlarm
Raise or Clear	Raise
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.219.2.11.2 hwSystemConfigResume

Trap Buffer Parameters

Parameter	Description
EntityTrapFaultID	Fault code

VB Parameters

None

Impact on the System

- Cause 144128(EntityTrapFaultID = [144128]): The version in the PAF file is inconsistent with that of the startup software package.

When the versions of the active and standby boards are inconsistent, the standby board cannot be started.

- Cause 144129(EntityTrapFaultID = [144129]): The boards and subcards were installed in incorrect slots.

If a board or subcard is not installed in the corresponding slot, the configuration and service performance of the device are affected. This problem must be resolved immediately.

- Cause 144130(EntityTrapFaultID = [144130]): The software versions on the master and slave control boards are inconsistent.

When the versions of the active and standby boards are inconsistent, the standby board cannot be started.

- Cause 144133(EntityTrapFaultID = [144133]): The memory size of the system master main control board was inconsistent with that of the system slave main control board.

If the memory of the active board is inconsistent with that of the standby board, the active/standby switchover may fail.

Possible Causes

- Cause 144128(EntityTrapFaultID = [144128]): The version in the PAF file is inconsistent with that of the startup software package.
- Cause 144129(EntityTrapFaultID = [144129]): The boards and subcards were installed in incorrect slots.
- Cause 144130(EntityTrapFaultID = [144130]): The software versions on the master and slave control boards are inconsistent.
- Cause 144133(EntityTrapFaultID = [144133]): The memory size of the system master main control board was inconsistent with that of the system slave main control board.

Procedure

- Cause 144128(EntityTrapFaultID = [144128]): The version in the PAF file is inconsistent with that of the startup software package.

The PAF version is inconsistent with the startup software package version.

1. Change the PAF file version to be the same as the startup software package version. Run the startup paf command to set the PAF file as the next startup PAF file. Then run the reboot command to restart the device.

- If the alarm is cleared, go to Step 3.
- If the alarm persists, go to step 2.

2. Collect trap and config information, and contact technical support personnel.

3. the procedure ends.

- Cause 144129(EntityTrapFaultID = [144129]): The boards and subcards were installed in incorrect slots.

1. Check whether the boards and subcards of the device are inserted into the correct slots.

- If yes, go to step 3.

- If not, go to Step 2.
- 2. Replace the faulty board or subcard with a board or subcard installed in a supported slot. Then, check whether the alarm is cleared.
 - If so, go to step 4.
 - If not, go to step 3.
- 3. Collect trap, log, and configuration information, and contact technical support personnel.
- 4. End.
- Cause 144130(EntityTrapFaultID = [144130]): The software versions on the master and slave control boards are inconsistent.

The versions of the active and standby boards are inconsistent.

 1. Run the startup system-software command to change the version of the standby board to be the same as that of the active board, and then run the reset slot command to reset the standby board.
 - If the alarm is cleared, go to Step 3.
 - If the alarm persists, go to Step 2.
 2. Collect alarm and configuration information, and contact technical support personnel.
 3. End.
- Cause 144133(EntityTrapFaultID = [144133]): The memory size of the system master main control board was inconsistent with that of the system slave main control board.

The memory of the active board is inconsistent with that of the standby board.

 - Contact technical support engineers to replace the memory module and ensure that the memory of the active board is the same as that of the standby board.

4.7.17 SYSTEM_1.3.6.1.4.1.2011.5.25.219.2.11.2 hwSystemConfigResume

Trap Buffer Description

The system configuration error has been rectified. (EntityTrapFaultID = [EntityTrapFaultID])

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Critical

Trap Attribute	Description
Trap OID	1.3.6.1.4.1.2011.5.25.219.2.11.2
MIB	HUAWEI-ENTITY-TRAP-MIB
Alarm ID	0x0D300004
Alarm Name	hwSystemConfigError
Alarm Type	equipmentAlarm
Raise or Clear	Clear
Match trap	SYSTEM_1.3.6.1.4.1.2011.5.25.219.2.11.1 hwSystemConfigError

Trap Buffer Parameters

Parameter	Description
EntityTrapFaultID	Fault code

VB Parameters

None

Impact on the System

- Cause 1: A system configuration error was rectified.
If this alarm is generated, the system configuration error is rectified.
- Cause 144128: The fault was rectified when the version in the PAF file is inconsistent with that of the startup software package.
If this alarm is generated, the system configuration error is rectified.
- Cause 144129: The fault was rectified when the boards and subcards were installed in incorrect slots.
If this alarm is generated, the system configuration error is rectified.
- Cause 144130: The fault was rectified when the software versions on the master and slave control boards are inconsistent.
If this alarm is generated, the system configuration error is rectified.
- Cause 144133: The fault was rectified when the memory size of the system master main control board was inconsistent with that of the system slave main control board.
If this alarm is generated, the system configuration error is rectified.

Possible Causes

- Cause 1: A system configuration error was rectified.

- Cause 144128: The fault was rectified when the version in the PAF file is inconsistent with that of the startup software package.
- Cause 144129: The fault was rectified when the boards and subcards were installed in incorrect slots.
- Cause 144130: The fault was rectified when the software versions on the master and slave control boards are inconsistent.
- Cause 144133: The fault was rectified when the memory size of the system master main control board was inconsistent with that of the system slave main control board.

Procedure

Services are not affected.

4.8 TELNET

**4.8.1 TELNET_1.3.6.1.4.1.2011.5.25.207.2.7
hwTelnetLoginFailed**

Trap Buffer Description

Users failed to login telnet server too frequently. (failed times=[hwUserInfoLoginFailedTimes], statistic period=[hwUserInfoStatisticPeriod] minutes)

The number of login failures of telnet server during a specified period exceeded the threshold.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.7
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F10079
Alarm Name	hwTelnetLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	TELNET_1.3.6.1.4.1.2011.5.25.207.2.9 hwTelnetLoginFailedClear

Trap Buffer Parameters

Parameter	Description
hwUserInfoLoginFailedTimes	Indicates the number of login failures.
hwUserInfoStatisticPeriod	Indicates the interval for collecting the number of login failures.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.1	hwUserInfoLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.207.1.5.2	hwUserInfoStatisticPer-iod	-

Impact on the System

The system may be under attack.

Possible Causes

The number of login failures of telnet server during a specified period exceeded the threshold.

Procedure

1. By default, an alarm is generated if 30 or more login failures occur within 5 minutes. The alarm is cleared if the number of login failures within 5 minutes is less than 20.
2. Contact the administrator to obtain the correct Telnet user name and password and log in to the device again. After the login is successful, the alarm is cleared after a statistical period.
3. Run the display current-configuration configuration telnet include-default | include login-failed command to query the threshold for the number of Telnet server login failures in a specified period.
 - Run the telnet server login-failed threshold-alarm command to specify a period (in minutes) in which the number of login failures is less than the alarm clearance threshold. After a measurement period, the alarm is cleared.

4.8.2 TELNET_1.3.6.1.4.1.2011.5.25.207.2.9 hwTelnetLoginFailedClear

Trap Buffer Description

The telnet user login-failed alarm was cleared.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.9
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F10079
Alarm Name	hwTelnetLoginFailed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	TELNET_1.3.6.1.4.1.2011.5.25.207.2.7 hwTelnetLoginFailed

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.1	hwUserInfoLoginFailed-Times	-
1.3.6.1.4.1.2011.5.25.207.1.5.2	hwUserInfoStatisticPeriod	-

Impact on the System

Services are not affected.

Possible Causes

The telnet user login-failed alarm was cleared.

Procedure

- The log is informational only, and no action is required.

4.9 TTY

4.9.1 TTY_1.3.6.1.4.1.2011.5.25.207.2.1 hwVtyNumExceed

Trap Buffer Description

The number of login users reaches the maximum VTY limit.
(MaxUserNum=[MaxUserNum])

The number of login users reached the maximum number of VTY user interfaces.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.1
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
MaxUserNum	Maximum number of VTY user interfaces.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.1.1	hwMaxVtyNumber	-

Impact on the System

The system is not affected.

Possible Causes

All VTY user interfaces are occupied.

Procedure

This log message is informational only, and no action is required.

4.9.2 TTY_1.3.6.1.4.1.2011.5.25.207.2.2 hwUserLogin

Trap Buffer Description

User login successful. (UserIndex=[UserIndex], UserName=[UserName], UserIP=[UserIP], UserChannel=[UserChannel], AuthType=[AuthType], VpnInstanceName=[VpnInstanceName])

The user successfully logs in through the VTY user interface.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.2
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserIndex	Index of the user who logs in through the VTY user interface.
UserName	User name for logging in through the VTY user interface.
UserIP	IP address of the user who logs in through the VTY user interface.
UserChannel	VTY channel for login through the VTY user interface.
AuthType	Authentication mode for login through the VTY user interface, which can be AAA or password.
VpnInstanceName	Indicates the name of a VPN instance.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.2	hwUserInfoName	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.3	hwUserInfoIpAddr	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.4	hwUserInfoChannel	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.5	hwAuthType	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.6	hwVpnInstName	hwUserInfoIndex

Impact on the System

The system will not be affected.

Possible Causes

The user successfully logs in through the VTY user interface.

Procedure

This message is informational only, and no action is required.

4.9.3 TTY_1.3.6.1.4.1.2011.5.25.207.2.3 hwUserLoginFail

Trap Buffer Description

A user login failed. (UserIndex=[UserIndex], UserName=[UserName], UserIP=[UserIP], UserChannel=[UserChannel], AuthType=[AuthType], VpnInstanceName=[VpnInstanceName])

A user fails to log in through the VTY user interface.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.3
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserIndex	Index of the user who logs in through the VTY user interface.
UserName	User name for logging in through the VTY user interface.
UserIP	IP address of the user who logs in through the VTY user interface.
UserChannel	VTY channel for login through the VTY user interface.
AuthType	Authentication mode for login through the VTY user interface, which can be AAA or password.
VpnInstanceName	Indicates the name of a VPN instance.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.2	hwUserInfoName	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.3	hwUserInfoIpAddr	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.4	hwUserInfoChannel	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.5	hwAuthType	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.6	hwVpnInstName	hwUserInfoIndex

Impact on the System

The user fails to log in.

Possible Causes

The login fails due to an authentication failure.

Procedure

1. Check whether the user name and password are correct.
- If not, enter the correct user name and password.
 - If so, go to Step 2.
2. Collect log and configuration information, and contact technical support personnel.

4.9.4 TTY_1.3.6.1.4.1.2011.5.25.207.2.4 hwUserLogout

Trap Buffer Description

A user is logout. (UserIndex=[UserIndex], UserName=[UserName], UserIP=[UserIP], UserChannel=[UserChannel], AuthType=[AuthType], VpnInstanceName=[VpnInstanceName])

The VTY user logs out.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event

Trap Attribute	Description
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.4
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserIndex	Index of the user who logs in through the VTY user interface.
UserName	User name for logging in through the VTY user interface.
UserIP	IP address of the user who logs in through the VTY user interface.
UserChannel	VTY channel for login through the VTY user interface.
AuthType	Authentication mode for login through the VTY user interface, which can be AAA or password.
VpnInstanceName	Indicates the name of a VPN instance.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.2	hwUserInfoName	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.3	hwUserInfoIpAddr	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.4	hwUserInfoChannel	hwUserInfoIndex

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.5	hwAuthType	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.6	hwVpnInstName	hwUserInfoIndex

Impact on the System

The system will not be affected.

Possible Causes

The VTY user logs out.

Procedure

This message is informational only, and no action is required.

4.9.5 TTY_1.3.6.1.4.1.2011.5.25.207.2.5 hwUserSshLogin

Trap Buffer Description

The SSH connection login successful. (UserIndex=[UserIndex], UserName=[UserName], UserIP=[UserIP], UserChannel=[UserChannel], AuthType=[AuthType], VpnInstanceName=[VpnInstanceName])

The login through SSH is successful.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.5
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserIndex	Index of the user who logs in through the VTY user interface.
UserName	User name for logging in through the VTY user interface.
UserIP	IP address of the user who logs in through the VTY user interface.
UserChannel	VTY channel for login through the VTY user interface.
AuthType	Authentication mode for login through the VTY user interface, which can be AAA or password.
VpnInstanceName	Indicates the name of a VPN instance.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.2	hwUserInfoName	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.3	hwUserInfoIpAddr	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.4	hwUserInfoChannel	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.5	hwAuthType	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.6	hwVpnInstName	hwUserInfoIndex

Impact on the System

The system will not be affected.

Possible Causes

The login through SSH is successful.

Procedure

This log message is informational only, and no action is required.

4.9.6 TTY_1.3.6.1.4.1.2011.5.25.207.2.6 hwUserSshLogout

Trap Buffer Description

The SSH connection is logout. (UserIndex=[UserIndex], UserName=[UserName], UserIP=[UserIP], UserChannel=[UserChannel], AuthType=[AuthType], VpnInstanceName=[VpnInstanceName])

The SSH user logs out.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.6
MIB	HUAWEI-LINE-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
UserIndex	Index of the user who logs in through the VTY user interface.
UserName	User name for logging in through the VTY user interface.
UserIP	IP address of the user who logs in through the VTY user interface.
UserChannel	VTY channel for login through the VTY user interface.
AuthType	Authentication mode for login through the VTY user interface, which can be AAA or password.
VpnInstanceName	Indicates the name of a VPN instance.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.2	hwUserInfoName	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.3	hwUserInfoIpAddr	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.4	hwUserInfoChannel	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.5	hwAuthType	hwUserInfoIndex
1.3.6.1.4.1.2011.5.25.207.1.2.1.1.6	hwVpnInstName	hwUserInfoIndex

Impact on the System

The system will not be affected.

Possible Causes

The SSH user logs out.

Procedure

This log message is informational only, and no action is required.

4.9.7 TTY_1.3.6.1.4.1.2011.5.25.207.2.15
hwConAuthModelIncomplete

Trap Buffer Description

The authentication mode of console port is none or password but not set password. (Slot=[Slot],AuthMode=[AuthMode])

The console port authentication mode is none or password, but no password is set.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Informational
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.15
MIB	HUAWEI-LINE-MIB

Trap Attribute	Description
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
Slot	Chassis ID or slot ID.
AuthMode	Authentication mode.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.8	hwConSlot	-
1.3.6.1.4.1.2011.5.25.207.1.5.7	hwConAuthMode	-

Impact on the System

The system is not affected.

Possible Causes

The console port authentication mode is none or password, but no password is set.

Procedure

1. Run the display this | include vty command to query the current VTY configuration.
 2. Run the user-interface command to enter the VTY configuration view.
 3. Run the display this command to query the current configuration.
- If the authentication mode of the console interface is none, run the authentication-mode command to configure the authentication mode.

· If the authentication mode of the console interface is password but no password is set, run the set authentication password command to set a password.

4.10 VFS

4.10.1 VFS_1.3.6.1.4.1.2011.6.9.1.3.2 hwFlhSyncSuccessNotification

Trap Buffer Description

Succeeded to copy file by hwFlhSyncTable with FlhSyncIndex [FlhSyncIndex], FlhSyncSrcFile [FlhSyncSrcFile], FlhSyncDstFile [FlhSyncDstFile].

This log indicates that the file is successfully copied through hwFlhSyncTable in HUAWEI-FLASH-MAN-MIB.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Notice
Trap OID	1.3.6.1.4.1.2011.6.9.1.3.2
MIB	HUAWEI-FLASH-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
FlhSyncIndex	Index of the file to be copied.
FlhSyncSrcFile	Source file.
FlhSyncDstFile	Target file.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.9.1.2.2.1.5	hwFlhSyncSourceFile	hwFlhSyncIndex
1.3.6.1.4.1.2011.6.9.1.2.2.1.7	hwFlhSyncDestination-File	hwFlhSyncIndex

Impact on the System

Services are not affected.

Possible Causes

This log is generated when a file is successfully copied through MIB.

Procedure

- This log message is informational only, and no action is required.

4.10.2 VFS_1.3.6.1.4.1.2011.6.9.1.3.3 hwFlhSyncFailNotification

Trap Buffer Description

Failed to copy file by hwFlhSyncTable with FlhSyncIndex [FlhSyncIndex], FlhSyncSrcFile [FlhSyncSrcFile], FlhSyncDstFile [FlhSyncDstFile].

This log is generated when a file fails to be copied through hwFlhSyncTable in HUAWEI-FLASH-MAN-MIB.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Event
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.6.9.1.3.3
MIB	HUAWEI-FLASH-MAN-MIB
Alarm ID	This is an event trap and does not involve alarm ID.
Alarm Name	This is an event trap and does not involve alarm name.
Alarm Type	This is an event trap and does not involve alarm type.
Raise or Clear	This is an event trap and does not involve alarm generation or clearance.
Match trap	-

Trap Buffer Parameters

Parameter	Description
FlhSyncIndex	Index of the file to be copied.
FlhSyncSrcFile	Source file.
FlhSyncDstFile	Target file.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.6.9.1.2.2.1.5	hwFlhSyncSourceFile	hwFlhSyncIndex
1.3.6.1.4.1.2011.6.9.1.2.2.1.7	hwFlhSyncDestination-File	hwFlhSyncIndex

Impact on the System

Failed to copy a file.

Possible Causes

This log is generated when a file fails to be copied through MIB.

Procedure

1. Run the dir command to check whether the source file path exists.
 - If so, go to Step 2.
 - If the system displays a message indicating that the file cannot be found, go to Step 3.
2. Run the dir command to check the available space of the target path.
 - If the remaining space is less than the size of the source file, run the delete / unreserved command to delete unnecessary files and clear the environment to ensure sufficient space. Then, go to Step 4.
 - If the available space is greater than the size of the source file, go to Step 4.
3. The source path is misspelled. Change it to a correct path.
4. Copy the file again and check whether the alarm is cleared.
 - If so, go to Step 6.
 - If not, go to Step 5.
5. Collect alarm and log information, and contact technical support personnel.
6. End.

4.11 VTY

4.11.1 VTY_1.3.6.1.4.1.2011.5.25.207.2.13 hwVtyExceed

Trap Buffer Description

The number of available VTY channels is lower than the threshold.
(currentLoginVTYs=[hwCurrentVty], totalVTYs=[hwMaxVty])

The number of available VTY channels is lower than the threshold.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.13
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F102ee
Alarm Name	hwVtyExceed
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Raise
Match trap	VTY_1.3.6.1.4.1.2011.5.25.207.2.14 hwVtyExceedClear

Trap Buffer Parameters

Parameter	Description
hwCurrentVty	Number of VTY channels in use.
hwMaxVty	Total number of VTY channels.

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.5	hwCurrentVty	-

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.6	hwMaxVty	-

Impact on the System

After the VTY channels are used up, users cannot log in to the system.

Possible Causes

The number of available VTY channels is lower than the threshold.

Procedure

1. Increase the number of available VTY channels to a value greater than the threshold: Run the user-interface maximum-vty <number> command to increase the maximum number of VTY channels in the system. Increase the difference between first-ui-number and last-ui-number when running the user-interface vty first-ui-number [last-ui-number] command. Configure an authentication mode in the new VTY user interface view.

- If the alarm is cleared, go to step 5.
- If the alarm persists, go to step 2.

2. Log out users to increase the number of available VTY channels to a value greater than the threshold.

- If the alarm is cleared, go to step 5.
- If the alarm persists, go to step 3.

3. Run the user-interface vty available-vty-threshold command to reduce the alarm threshold for the number of available VTY channels.

- If the alarm is cleared, go to step 5.
- If the alarm persists, go to step 4.

4. Collect log and configuration information, and contact technical support personnel.

5. End.

4.11.2 VTY_1.3.6.1.4.1.2011.5.25.207.2.14 hwVtyExceedClear

Trap Buffer Description

The number of available VTY channels is higher than or equal to the threshold value.

Trap Attributes

Trap Attribute	Description
Alarm or Event	Alarm
Trap Severity	Error
Trap OID	1.3.6.1.4.1.2011.5.25.207.2.14
MIB	HUAWEI-LINE-MIB
Alarm ID	0x00F102ee
Alarm Name	hwVtyExceedClear
Alarm Type	qualityOfServiceAlarm
Raise or Clear	Clear
Match trap	VTY_1.3.6.1.4.1.2011.5.25.207.2.13 hwVtyExceed

Trap Buffer Parameters

None

VB Parameters

VB OID	VB Name	VB Index
1.3.6.1.4.1.2011.5.25.207.1.5.5	hwCurrentVty	-
1.3.6.1.4.1.2011.5.25.207.1.5.6	hwMaxVty	-

Impact on the System

New users can log in to the system.

Possible Causes

The number of available VTY channels is higher than or equal to the threshold value (more or equal to 4).

Procedure

This trap message is informational only, and no action is required.