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Preface

Audience

This document describes all Trap messages which are supported by S12500&S9500E R1728.

This publication is designed for the installer and user with a working knowledge of the Comware V5 system software. Users of this publication might also include network administrators and other people responsible for setting up and maintaining these switches.

Organization

The sections of this document are as follows:

Chapter	Title	Description
1	Public Traps	Describe all trap messages in public MIB modules supported by S12500&S9500E R1728.
2	Private Traps	Describe all trap messages in private MIB modules supported by S12500&S9500E R1728.

All Traps

List all the traps mentioned in this documents:

1.1 Public Traps List

Trap Name	MIB Module	MIB File	Description
coldStart	SNMPv2-MIB	rfc1450-snmpv2.mib	
warmStart	SNMPv2-MIB	rfc1450-snmpv2.mib	
linkDown	IF-MIB	rfc2233-if.mib	
linkUp	IF-MIB	rfc2233-if.mib	
authenticationFailure	SNMPv2-MIB	rfc1450-snmpv2.mib	
isdnMibCallInformation	ISDN-MIB	rfc2127-isdn.mib	
frDLCIStatusChange	FRAME-RELAY-DTE-MIB	rfc2115-fr-dte.mib	
ipv6IfStateChange	IPV6-MIB	rfc2465-ipv6.mib	
mplsXCUp(1.3.6.1.2.1.10.166.2.0.1)	MPLS-LSR-STD-MIB	rfc3813-mpls-lsr-std.mib	
mplsXCDown(1.3.6.1.2.1.10.166.2.0.2)	MPLS-LSR-STD-MIB	rfc3813-mpls-lsr-std.mib	
ospfVirtIfStateChange(1.3.6.1.2.1.14.16.2.1)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfNbrStateChange(1.3.6.1.2.1.14.16.2.2)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfVirtNbrStateChange(1.3.6.1.2.1.14.16.2.3)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfIfConfigError(1.3.6.1.2.1.14.16.2.4)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfVirtIfConfigError(1.3.6.1.2.1.14.16.2.5)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfIfAuthFailure(1.3.6.1.2.1.14.16.2.6)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfVirtIfAuthFailure(1.3.6.1.2.1.14.16.2.7)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfIfRxBadPacket(1.3.6.1.2.1.14.16.2.8)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfVirtIfRxBadPacket(1.3.6.1.2.1.14.16.2.9)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfTxRetransmit(1.3.6.1.2.1.14.16.2.10)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfVirtIfTxRetransmit(1.3.6.1.2.1.14.16.2.11)	OSPF-MIB	rfc1850-ospf.mib	As per MIB

Trap Name	MIB Module	MIB File	Description
ospfOriginatLsa(1.3.6.1.2.1.14.16.2.12)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfMaxAgeLsa(1.3.6.1.2.1.14.16.2.13)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfLsdbOverflow(1.3.6.1.2.1.14.16.2.14)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfLsdbApproachingOverflow(1.3.6.1.2.1.14.16.2.15)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
ospfIfStateChange(1.3.6.1.2.1.14.16.2.16)	OSPF-MIB	rfc1850-ospf.mib	As per MIB
bgpEstablished(1.3.6.1.2.1.15.7.1)	BGP4-MIB	rfc1657-bgp4.mib	As per MIB
bgpBackwardTransition(1.3.6.1.2.1.15.7.2)	BGP4-MIB	rfc1657-bgp4.mib	As per MIB
risingAlarm	RMON-MIB	rfc2819-rmon.mib	
fallingAlarm	RMON-MIB	rfc2819-rmon.mib	
entConfigChange	ENTITY-MIB	rfc2737-entity.mib	
vrrpTrapNewMaster	VRRP-MIB	rfc2787-vrrp.mib	
vrrpTrapAuthFailure	VRRP-MIB	rfc2787-vrrp.mib	
pingProbeFailed	DISMAN-PING-MIB	rfc2925-disman-ping.mib	
pingTestFailed	DISMAN-PING-MIB	rfc2925-disman-ping.mib	
pingTestCompleted	DISMAN-PING-MIB	rfc2925-disman-ping.mib	
isisDatabaseOverload(1.3.6.1.2.1.138.0.1)	ISIS-MIB	rfc4444-isis.mib	
isisManualAddressDrops(1.3.6.1.2.1.138.0.2)	ISIS-MIB	rfc4444-isis.mib	
isisCorruptedLSPDetected(1.3.6.1.2.1.138.0.3)	ISIS-MIB	rfc4444-isis.mib	
isisAttemptToExceedMaxSequence(1.3.6.1.2.1.138.0.4)	ISIS-MIB	rfc4444-isis.mib	
isisIDLenMismatch(1.3.6.1.2.1.138.0.5)	ISIS-MIB	rfc4444-isis.mib	
isisMaxAreaAddressesMismatch(1.3.6.1.2.1.138.0.6)	ISIS-MIB	rfc4444-isis.mib	
isisOwnLSPPurge(1.3.6.1.2.1.138.0.7)	ISIS-MIB	rfc4444-isis.mib	
isisSequenceNumberSkip(1.3.6.1.2.1.138.0.8)	ISIS-MIB	rfc4444-isis.mib	

Trap Name	MIB Module	MIB File	Description
isisAuthenticationTypeFailure(1.3.6.1.2.1.138.0.9)	ISIS-MIB	rfc4444-isis.mib	
isisAuthenticationFailure(1.3.6.1.2.1.138.0.10)	ISIS-MIB	rfc4444-isis.mib	
isisVersionSkew(1.3.6.1.2.1.138.0.11)	ISIS-MIB	rfc4444-isis.mib	
isisAreaMismatch(1.3.6.1.2.1.138.0.12)	ISIS-MIB	rfc4444-isis.mib	
isisRejectedAdjacency(1.3.6.1.2.1.138.0.13)	ISIS-MIB	rfc4444-isis.mib	
isisLSPToolLargeToPropagate(1.3.6.1.2.1.138.0.14)	ISIS-MIB	rfc4444-isis.mib	
isisOrigLSPBuffSizeMismatch(1.3.6.1.2.1.138.0.15)	ISIS-MIB	rfc4444-isis.mib	
isisProtocolsSupportedMismatch(1.3.6.1.2.1.138.0.16)	ISIS-MIB	rfc4444-isis.mib	
isisAdjacencyChange(1.3.6.1.2.1.138.0.17)	ISIS-MIB	rfc4444-isis.mib	
isisLSPErrorDetected(1.3.6.1.2.1.138.0.18)	ISIS-MIB	rfc4444-isis.mib	
pimNeighborLoss(1.3.6.1.2.1.157.0.1)	PIM-STD-MIB	rfc5060-pim-std.mib	
pimBsrElectedBSRLostElection(1.3.6.1.2.1.172.0.1)	PIM-BSR-MIB	rfc5240-pim-bsr.mib	
pimBsrCandidateBSRWinElection(1.3.6.1.2.1.172.0.2)	PIM-BSR-MIB	rfc5240-pim-bsr.mib	
lldpRemTablesChange(1.0.8802.1.1.2.0.0.1)	LLDP-MIB	lldp.mib	
dot1agCfmFaultAlarm(1.3.111.2.802.1.1.8.0.1)	IEEE8021-CFM-MIB	ieee8021-cfm.mib	
dot3OamThresholdEvent(1.3.6.1.2.1.158.0.1)	DOT3-OAM-MIB	rfc4878-dot3-oam.mib	
dot3OamNonThresholdEvent(1.3.6.1.2.1.158.0.2)	DOT3-OAM-MIB	rfc4878-dot3-oam.mib	
pimBsrElectedBSRLostElection(1.3.6.1.2.1.172.0.1)	PIM-BSR-MIB	rfc5240-pim-bsr.mib	As per MIB
pimBsrCandidateBSRWinElection(1.3.6.1.2.1.172.0.2)	PIM-BSR-MIB	rfc5240-pim-bsr.mib	As per MIB
pimNeighborLoss(1.3.6.1.2.1.157.0.1)	PIM-STD-MIB	rfc5060-pim-std.mib	As per MIB

1.2 Private Traps List

Trap Name	MIB Module	MIB File	Description
hh3cLogIn	HH3C-UI-MAN-MIB	hh3c-ui-man.mib	
hh3cLogOut	HH3C-UI-MAN-MIB	hh3c-ui-man.mib	
hh3cLogInAuthenFailure	HH3C-UI-MAN-MIB	hh3c-ui-man.mib	
hh3cSysClockChangedNotification	HH3C-SYS-MAN-MIB	hh3c-sys-man.mib	
hh3cSysReloadNotification	HH3C-SYS-MAN-MIB	hh3c-sys-man.mib	
hh3cSysStartUpNotification	HH3C-SYS-MAN-MIB	hh3c-sys-man.mib	
hh3cCfgManEventlog	HH3C-CONFIG-MAN-MIB	hh3c-config-man.mib	
hh3cCfgOperateCompletion	HH3C-CONFIG-MAN-MIB	hh3c-config-man.mib	
hh3cCfgInvalidConfigFile	HH3C-CONFIG-MAN-MIB	hh3c-config-man.mib	
hh3cFlhOperNotification	HH3C-FLASH-MAN-MIB	hh3c-flash-man.mib	
hh3cEntityExtTemperatureThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtVoltageLowThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtVoltageHighThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtCpuUsageThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtMemUsageThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtOperEnabled	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtOperDisabled	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtCriticalTemperatureThresholdNotification	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtSFPAlarmOn	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtSFPAlarmOff	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	
hh3cEntityExtSFPPphony	HH3C-ENTITY-EXT-MIB	hh3c-entity-ext.mib	

Trap Name	MIB Module	MIB File	Description
hh3cEntityInsert	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityRemove	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtForcedPowerOff	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtForcedPowerOn	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtFaultAlarmOn	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtFaultAlarmOff	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtResourceLack	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtResourceEnough	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtTemperatureLower	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtTemperatureTooUp	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtTemperatureNormal	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExternalAlarmOccur	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExternalAlarmRecover	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtCpuUsageThresholdRecover	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtMemUsageThresholdRecover	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtFanDirectionNotPreferred	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtFanDirectionNotAccord	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtSFPIInvalid	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cEntityExtSFPIInvalidNow	HH3C-ENTITY-EXT -MIB	hh3c-entity-ext.mib	
hh3cIPSecTunnelStart	HH3C-IPSEC-MON ITOR-MIB	hh3c-ipsec-monitor.mib	
hh3cIPSecTunnelStop	HH3C-IPSEC-MON	hh3c-ipsec-monitor.mib	

Trap Name	MIB Module	MIB File	Description
	ITOR-MIB		
hh3cIPSecPolicyAdd	HH3C-IPSEC-MON ITOR-MIB	hh3c-ipsec-monitor.mib	
hh3cIPSecPolicyDel	HH3C-IPSEC-MON ITOR-MIB	hh3c-ipsec-monitor.mib	
hh3cIPSecPolicyAttach	HH3C-IPSEC-MON ITOR-MIB	hh3c-ipsec-monitor.mib	
hh3cIPSecPolicyDetach	HH3C-IPSEC-MON ITOR-MIB	hh3c-ipsec-monitor.mib	
hh3cRadiusAuthServerUpTrap	HH3C-RADIUS-MIB	hh3c-radius.mib	
hh3cRadiusAccServerUpTrap	HH3C-RADIUS-MIB	hh3c-radius.mib	
hh3cRadiusAuthErrTrap	HH3C-RADIUS-MIB	hh3c-radius.mib	
hh3cRadiusAuthServerDownTrap	HH3C-RADIUS-MIB	hh3c-radius.mib	
hh3cRadiusAccServerDownTrap	HH3C-RADIUS-MIB	hh3c-radius.mib	
hh3cAal5VccStateChange	HH3C-AAL5-MIB	hh3c-aal5.mib	
hh3cSecureAddressLearned	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureViolation	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureLoginFailure	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureLogon	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureLogoff	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureRalmLoginFailure	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureRalmLogon	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cSecureRalmLogoff	HH3C-PORT-SECURITY-MIB	hh3c-port-security.mib	
hh3cMacTabFullTrap	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cMacTabAlmostFullTrap	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cArpTabFullTrap	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cRtTabFullTrap (1.3.6.1.4.1.25506.2.38.1.3.5.1)	HH3C-TRAP-MIB	hh3c-trap.mib	

Trap Name	MIB Module	MIB File	Description
hh3cDefaultRtDelTrap (1.3.6.1.4.1.25506.2.38.1.3.5.3)	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cDetailRtTabFullTrap (1.3.6.1.4.1.25506.2.38.1.3.5.2)	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cMulticastTabFullTrap (1.3.6.1.4.1.25506.2.38.1.4.4.1)	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cNdTabFullTrap	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cPeriodicalTrap	HH3C-TRAP-MIB	hh3c-trap.mib	
hh3cPosB1TCAlarm (1.3.6.1.4.1.25506.2.19.2.0.15)	HH3C-PPP-OVER-SONET-MIB	hh3c-ppp-over-sonet.mib	
hh3cPosB2TCAlarm (1.3.6.1.4.1.25506.2.19.2.0.16)	HH3C-PPP-OVER-SONET-MIB	hh3c-ppp-over-sonet.mib	
hh3cPosB3TCAlarm (1.3.6.1.4.1.25506.2.19.2.0.17)	HH3C-PPP-OVER-SONET-MIB	hh3c-ppp-over-sonet.mib	
hh3cIfBandwidthUsageHigh	HH3C-IF-EXT-MIB	hh3c-if-ext.mib	
hh3cIfDiscardPktRateHigh	HH3C-IF-EXT-MIB	hh3c-if-ext.mib	
hh3cDLDPUndirectionalPort(1.3.6.1.4.1.25506.2.43.2.1.1)	HH3C-DLDP-MIB	hh3c-dldp.mib	
hh3cRrppRingRecover(1.3.6.1.4.1.25506.2.45.3.1)	HH3C-RRPP-MIB	hh3c-rrpp.mib	
hh3cRrppRingFail(1.3.6.1.4.1.25506.2.45.3.2)	HH3C-RRPP-MIB	hh3c-rrpp.mib	
hh3cRrppMultiMaster(1.3.6.1.4.1.25506.2.45.3.3)	HH3C-RRPP-MIB	hh3c-rrpp.mib	
hh3cRrppMajorFault(1.3.6.1.4.1.25506.2.45.3.4)	HH3C-RRPP-MIB	hh3c-rrpp.mib	
hh3cCBQoSIfPolicyChanged (1.3.6.1.4.1.25506.2.65.2.1.7.0.1)	HH3C-CBQOS2-MIB	hh3c-cbqos2.mib	
hh3cCBQoSIfPolicyChanged (1.3.6.1.4.1.25506.2.65.2.1.7.0.2)	HH3C-CBQOS2-MIB	hh3c-cbqos2.mib	
hh3cStormRising	HH3C-STORM-CONSTRAIN-MIB	hh3c-storm-constrain.mib	
hh3cStormFalling	HH3C-STORM-CONSTRAIN-MIB	hh3c-storm-constrain.mib	
hh3cIpAddressChangeNotify	HH3C-IP-ADDRESS-MIB	hh3c-ip-address.mib	
hh3cIpAddrChangeNotify	HH3C-NET-MANAGEMENT-MIB	hh3c-net-man.mib	
hh3cStackPortLinkStatusChange	HH3C-STACK-MIB	hh3c-stack.mib	
hh3cStackTopologyChange	HH3C-STACK-MIB	hh3c-stack.mib	
hh3cRebootSendTrap	HH3C-COMMON-SYSTEM-MIB	hh3c-common-system.mib	

Trap Name	MIB Module	MIB File	Description
	YSTEM-MIB	mib	
hh3cSysColdStartTrap	HH3C-COMMON-SYSTEM-MIB	hh3c-common-system.mib	
hh3cSysWarmStartTrap	HH3C-COMMON-SYSTEM-MIB	hh3c-common-system.mib	
hh3cpririsingAlarm	HH3C-RMON-EXT-MIB	hh3c-rmon-ext.mib	
hh3cprifallingAlarm	HH3C-RMON-EXT-MIB	hh3c-rmon-ext.mib	
hh3cpowerfailure	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cPowerNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cMasterPowerNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cSlavePowerNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cPowerRemoved	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cfanfailure	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cFanNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardRemoved	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardInserted	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardFailure	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cSubcardRemove	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cSubcardInsert	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardTemperatureLower	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardTemperatureFromLowerToNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBoardTemperatureHigher	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	

Trap Name	MIB Module	MIB File	Description
hh3cBoardTemperatureFormHigherToNormal	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cRequestLoading	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cLoadFailure	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cLoadFinished	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBackBoardModeSetFailure	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBackBoardModeSetOK	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cPowerInserted	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cBootImageUpdated	HH3C-LswTRAP-MIB	hh3c-splat-trap.mib	
hh3cSlaveSwitchOver	HH3C-LswMix-MIB	hh3c-splat-mix.mib	
hh3cLpbkdtTrapLoopbacked(1.3.6.1.4.1.25506.2.95.1.0.1)	HH3C-LPBKDT-MIB	hh3c-lpbkdt.mib	As per MIB
hh3cLpbkdtTrapRecovered(1.3.6.1.4.1.25506.2.95.1.0.2)	HH3C-LPBKDT-MIB	hh3c-lpbkdt.mib	As per MIB
hh3cPortMstiStateForwarding(1.3.6.1.4.1.25506.8.35.14.0.1)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cPortMstiStateDiscarding(1.3.6.1.4.1.25506.8.35.14.0.2)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cBridgeLostRootPrimary(1.3.6.1.4.1.25506.8.35.14.0.3)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cPortMstiRootGuarded(1.3.6.1.4.1.25506.8.35.14.0.4)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cPortMstiBpduGuarded(1.3.6.1.4.1.25506.8.35.14.0.5)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cPortMstiLoopGuarded(1.3.6.1.4.1.25506.8.35.14.0.6)	HH3C-LswMSTP-MIB	hh3c-splat-mstp.mib	As per MIB
hh3cAggPortInactiveNotification(1.3.6.1.4.1.25506.8.25.2.2)	HH3C-LAG-MIB	hh3c-lag.mib	As per MIB
hh3cAggPortInactiveNotification2(1.3.6.1.4.1.25506.8.25.2.3)	HH3C-LAG-MIB	hh3c-lag.mib	As per MIB
hh3cAggPortActiveNotification(1.3.6.1.4.1.25506.8.25.2.4)	HH3C-LAG-MIB	hh3c-lag.mib	As per MIB
hh3cDDosAttackStart	HH3C-AFC-MIB	hh3c-afc.mib	As per MIB

Trap Name	MIB Module	MIB File	Description
hh3cDDosAttackEnd	HH3C-AFC-MIB	hh3c-afc.mib	As per MIB
hh3cPosaServerStatusChange	HH3C-POSA-MIB	hh3c-posa.mib	As per MIB
hh3cPosaAppStateChange	HH3C-POSA-MIB	hh3c-posa.mib	As per MIB
hh3cPortalServerLost	HH3C-PORTAL-MIB	hh3c-portal.mib	As per MIB
hh3cPortalServerGet	HH3C-PORTAL-MIB	hh3c-portal.mib	As per MIB
hh3csupplciantproxycheck	HH3C-8021PAE-MIB	hh3c-8021x-ext.mib	As per MIB
hh3cposAppNotReadyTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppConnectFailTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppStateChangeTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppNotConfigedTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppBuffOverFlowTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppDebugOpenTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposAppDebugAllOpenTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposInterBuffOverFlowTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposInterStateChangeTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposInterDebugOpenTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposInterDebugAllOpenTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposFCMtimeoutTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposFCMConnectFailTrap	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposClearPacketCounter	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cposClearFcmCounter	HH3C-POS-MIB	hh3c-pos.mib	As per MIB
hh3cSSHUserAuthFailure	HH3C-SSH-MIB	hh3c-ssh.mib	As per MIB
hh3cSSHVersionNegotiationFailure	HH3C-SSH-MIB	hh3c-ssh.mib	As per MIB
hh3cSSHUserLogin	HH3C-SSH-MIB	hh3c-ssh.mib	As per MIB
hh3cSSHUserLogoff	HH3C-SSH-MIB	hh3c-ssh.mib	As per MIB
hh3cMACInformationChangedTrap	HH3C-MAC-INFORMATION-MIB	hh3c-mac-information.mib	As per MIB
hh3cMACInformationChangedTrapExt	HH3C-MAC-INFORMATION-MIB	hh3c-mac-information.mib	As per MIB
hh3cDHCPServerAddrExhaust	HH3C-DHCP-SERVER-MIB	hh3c-dhcp-server.mib	As per MIB
hh3cDHCPServerAddrExhaustRecover	HH3C-DHCP-SERVER-MIB	hh3c-dhcp-server.mib	As per MIB
hh3cDHCPServerAvgIpUsageOverflow	HH3C-DHCP-SERVER-MIB	hh3c-dhcp-server.mib	As per MIB
hh3cDHCPServerMaxIpUsageOverflow	HH3C-DHCP-SERVER-MIB	hh3c-dhcp-server.mib	As per MIB

Trap Name	MIB Module	MIB File	Description
erflow	VER-MIB		
hh3cDHCPSEServerAllocateOverflow	HH3C-DHCP-SER VER-MIB	hh3c-dhcp-server.mib	As per MIB
hh3cPPPoESAbnormOffsAlarm	HH3C-PPPOE-SER VER-MIB	hh3c-pppoe-server.mib	As per MIB
hh3cPPPoESAbnormOffPerAlarm	HH3C-PPPOE-SER VER-MIB	hh3c-pppoe-server.mib	As per MIB
hh3cPPPoESNormOffPerAlarm	HH3C-PPPOE-SER VER-MIB	hh3c-pppoe-server.mib	As per MIB
hh3cARPRatelimitOverspeedTrap	HH3C-ARP-RATEL IMIT-MIB	hh3c-arp-ratelimit.mib	As per MIB
hh3chgmpMemberfailure	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpMemberRecover	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpMemberStatusChange	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpNetTopChange	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpStackMemberfailure	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpStackMemberRecover	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3chgmpStackMemberStatusChange	HH3C-HGMP-MIB	hh3c-hgmp.mib	As per MIB
hh3cNqaProbeTimeOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaJitterRTTOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaProbeFailure	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaJitterPacketLoss	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaJitterSDOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaJitterDSOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaICPIFOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB
hh3cNqaMOSOverThreshold	HH3C-NAQ-MIB	hh3c-nqa.mib	As per MIB

Public Traps

1. coldStart

OID of this trap is:

1.3.6.1.6.3.1.1.5.1

Module of MIB:

SNMPv2-MIB

MIB file:

rfc1450-snmpv2.mib

Description:

A coldStart trap signifies that the SNMP entity, supporting a notification originator application, is reinitializing itself and that its configuration may have been altered.

Object Name	Object Type	Object Value Scope
N/A	N/A	N/A

Trigger Action:

Reinitializing SNMPv2 entity and its configuration may have been altered

Recommended Action:

No action is required.

2. warmStart

OID of this trap is:

1.3.6.1.6.3.1.1.5.2

Module of MIB:

SNMPv2-MIB

MIB file:

rfc1450-snmpv2.mib

Description:

A warmStart trap signifies that the SNMPv2 entity, acting in an agent role, is reinitializing itself such that its configuration is unaltered.

Object Name	Object Type	Object Value Scope
N/A	N/A	N/A

Trigger Action:

Reinitializing SNMPv2 entity and its configuration is unaltered.

Recommended Action:

No action is required.

3. linkDown

OID of this trap is:

1.3.6.1.6.3.1.1.5.3

Module of MIB:

IF-MIB

MIB file:

rfc2233-if.mib

Description:

A linkDown trap signifies that the SNMPv2 entity, acting in an agent role, has detected that the ifOperStatus object for one of its communication links is about to enter the down state from some other state (but not from the notPresent state). This other state is indicated by the included value of ifOperStatus.

Object Name	Object Type	Object Value Scope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1..2147483647
ifAdminStatus (1.3.6.1.2.1.2.2.1.7)	INTEGER	up(1), down(2), testing(3)
ifOperStatus (1.3.6.1.2.1.2.2.1.8)	INTEGER	up(1), down(2), testing(3), unknown(4), dormant(5), notPresent(6), lowerLayerDown(7)

Trigger Action:

Change the status of protocol on an interface.

Recommended Action:

Shutdown or undo shutdown.

4. linkUp

OID of this trap is:

1.3.6.1.6.3.1.1.5.4

Module of MIB:

IF-MIB

MIB file:

rfc2233-if.mib

Description:

A linkDown trap signifies that the SNMPv2 entity, acting in an agent role, has detected that the ifOperStatus object for one of its communication links left the down state and transitioned into some other state (but not into the notPresent state). This other state is indicated by the included value of ifOperStatus.

Object Name	Object Type	Object Value Scope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1..2147483647

ifAdminStatus (1.3.6.1.2.1.2.2.1.7)	INTEGER	up(1), down(2), testing(3)
ifOperStatus (1.3.6.1.2.1.2.2.1.8)	INTEGER	up(1), down(2), testing(3), unknown(4), dormant(5), notPresent(6), lowerLayerDown(7)

Trigger Action:

Change the status of protocol on an interface.

Recommended Action:

Shutdown or undo shutdown.

5. authenticationFailure

OID of this trap is:

1.3.6.1.6.3.1.1.5.5

Module of MIB:

SNMPv2-MIB

MIB file:

rfc1450-snmpv2.mib

Description:

An authenticationFailure trap signifies that the SNMPv2 entity, acting in an agent role, has received a protocol message that is not properly authenticated. While all implementations of the SNMPv2 must be capable of generating this trap, the snmpEnableAuthenTraps object indicates whether this trap will be generated.

Object Name	Object Type	Object Value Scope
N/A	N/A	N/A

Trigger Action:

Received a protocol message that is not properly authenticated

Recommended Action:

No action is required.

6. isdnMibCallInformation

OID of this trap is:

1.3.6.1.2.1.10.20.2.0.1

Module of MIB:

ISDN-MIB

MIB file:

rfc2127-isdn.mib

Description:

This trap indicates information of calls.

Object Name	Object Type	Object Value Scope
IfIndex	Integer32	
isdnBearerOperStatus	INTEGER	idle(1), connecting(2), connected(3), active(4)
isdnBearerPeerAddress	DisplayString	OCTET STRING (0..255)
isdnBearerPeerSubAddress	DisplayString	OCTET STRING (0..255)
isdnBearerCallSetupTime	TimeTicks	
isdnBearerInfoType	INTEGER	unknown(1), speech(2), unrestrictedDigital(3), unrestrictedDigital56(4), restrictedDigital(5), audio31(6), audio7(7), video(8), packetSwitched(9)
isdnBearerCallOrigin	INTEGER	unknown(1), originate(2), answer(3), callback(4)

Trigger Action:

On incoming calls for each call which is rejected for policy reasons (e.g. unknown neighbour or access violation)

On outgoing calls whenever a call attempt is determined to have ultimately failed, In the event that call retry is active, then this will be after all retry attempts have failed.

Whenever a call connects, In this case, the object isdnBearerCallConnectTime should be included in the trap.

Recommended Action:

No action is required.

7. frDLCIStatusChange

OID of this trap is:

1.3.6.1.2.1.10.32.0.1

Module of MIB:

FRAME-RELAY-DTE-MIB

MIB file:

rfc2115-fr-dte.mib

Description:

This trap indicates that the indicated Virtual Circuit has changed state..

Object Name	Object Type	Object Value Scope
FrCircuitState	INTEGER	invalid(1), active(2), inactive(3)

Trigger Action:

Virtual Circuit has either been created or invalidated, or has toggled between the active and inactive states.

Recommended Action:

No action is required.

8. ipv6IfStateChange

OID of this trap is:

1.3.6.1.2.1.55.2.0.1

Module of MIB:

IPV6-MIB

MIB file:

rfc2465-ipv6.mib

Description:

An ipv6IfStateChange notification signifies that there has been a change in the state of an ipv6 interface. This notification should be generated when the interface's operational status transitions to or from the up (1) state.

Object Name	Object Type	Object Value Scope
ipv6IfDescr (1.3.6.1.2.1.55.1.5.1.2)	DisplayString	OCTET STRING (0..255)
ipv6IfOperStatus (1.3.6.1.2.1.55.1.5.1.10)	INTEGER	up(1), down(2)

Trigger Action:

The reasons why the IPv6 Up alarm is generated are as follows:

- The interface is configured to be UP on the command line.
- Hardware failure in the interface is recovered.
- Failure of interface on the peer is recovered.
- Protocols have detected conditions that allow the interface to be UP.
- The reasons why the IPv6 Down alarm is generated are as follows:
- The interface is configured to be DOWN on the command line. For example, the

command of shutdown is executed on the interface.

- Hardware of the interface failed. For example, a network line is disconnected.
- Interface on the peer failed.
- Protocols cause the port to be DOWN. For example, there is loopback or broadcast storm on the interface.

Recommended Action:

There is no suggestion to recovery IPv6 Up alarm.

According to the reasons of IPv6 Down alarm generation, the suggestions to recovery are as follows:

- If the interface is configured to be DOWN on the command line, it can be recovered by configuring the command of undo shutdown on the interface;
- If the hardware of the interface has a failure, replace the hardware;
- If the interface on the peer has a failure, troubleshoot on that interface;
- If it is protocols that cause the interface to be DOWN, troubleshoot in the network. For example, remove loopback.

9. mplsXCUp

OID of this trap is:

1.3.6.1.2.1.10.166.2.0.1

Module of MIB:

MPLS-LSR-STD-MIB

MIB file:

rfc3813-mpls-lsr-std.mib

Description:

This notification is generated when a mplsXCOperStatus object for one of the configured cross-connect entries is about to enter the up state from some other state.

Object Name	Object Type	Object Value Scope
mplsXCOperStatus (1.3.6.1.2.1.10.166.2.1.10.1.10)	INTEGER	1: up(1) 2: down(2) 3: testing(3) 4: unknown(4) 5: dormant(5) 6: notPresent(6) 7: lowerLayerDown(7)
mplsXCOperStatus (1.3.6.1.2.1.10.166.2.1.10.1.10)	INTEGER	1: up(1) 2: down(2) 3: testing(3)

Object Name	Object Type	Object Value Scope
		4: unknown(4) 5: dormant(5) 6: notPresent(6) 7: lowerLayerDown(7)

Trigger Action:

a mplsXCOperStatus object for one of the configured cross-connect entries is about to enter the up state from some other state.

Recommended Action:

No action is required.

10. mplsXCDown

OID of this trap is:

1.3.6.1.2.1.10.166.2.0.2

Module of MIB:

MPLS-LSR-STD-MIB

MIB file:

rfc3813-mpls-lsr-std.mib

Description:

This notification is generated when a mplsXCOperStatus object for one of the configured cross-connect entries is about to enter the down state from some other state.

Object Name	Object Type	Object Value Scope
mplsXCOperStatus (1.3.6.1.2.1.10.166.2.1.10.1.10)	INTEGER	1: up(1) 2: down(2) 3: testing(3) 4: unknown(4) 5: dormant(5) 6: notPresent(6) 7: lowerLayerDown(7)
mplsXCOperStatus (1.3.6.1.2.1.10.166.2.1.10.1.10)	INTEGER	1: up(1) 2: down(2) 3: testing(3) 4: unknown(4) 5: dormant(5) 6: notPresent(6) 7: lowerLayerDown(7)

Trigger Action:

a mplsXCOperStatus object for one of the configured cross-connect entries is about to enter the down state from some other state.

Recommended Action:

Please check whether there is a link fault, or a configuration or network topology change.

11. ospfVirtIfStateChange

OID of this trap is:

1.3.6.1.2.1.14.16.2.1

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfIfStateChange trap signifies that there has been a change in the state of an OSPF virtual interface. This trap should be generated when the interface state regresses (e.g., goes from Point-to-Point to Down) or progresses to a terminal state (i.e., Point-to-Point).

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfVirtIfAreaId (1.3.6.1.2.1.14.9.1.1)	AreaID	IpAddress
ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2)	RouterID	IpAddress

Trigger Action:

The interface state regresses (e.g., goes from Point-to-Point to Down) or progresses to a terminal state (i.e., Point-to-Point).

Recommended Action:

No recovery is required for normal state change of OSPF interface.

For abnormal state change, If the interfaces enabled in transit area are configured to be DOWN on the command line, you can restore it by configuring the command of undo shutdown on the interface. If the hardware of the interface failed, please replace it. If the interfaces of virtual neighbor failed, you should troubleshoot on neighbor router. If the virtual neighbor is not configured vlink peer successfully, you should configure it correctly. If there is no abr route to virtual neighbor, you should check configuration of transit area.

12. ospfNbrStateChange

OID of this trap is:

1.3.6.1.2.1.14.16.2.2

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfNbrStateChange trap signifies that there has been a change in the state of a non-virtual OSPF neighbor. This trap should be generated when the neighbor state regresses(e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g.,2-Way or Full). When an neighbor transitions from or to Full on non-broadcast multi-access and broadcast networks, the trap should be gen-erated by the designated router. A designated router transitioning to Down will be noted by ospfIfStateChange.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfNbrIpAddr (1.3.6.1.2.1.14.10.1.1)	IpAddress	
ospfNbrAddressLessIndex (1.3.6.1.2.1.14.10.1.2)	InterfaceIndex	Integer32
ospfNbrRtrId (1.3.6.1.2.1.14.10.1.3)	RouterID	IpAddress
ospfNbrState (1.3.6.1.2.1.14.10.1.6)	INTEGER	down(1), attempt(2), init(3), twoWay(4), exchangeStart(5), exchange(6), loading(7), full (8)

Trigger Action:

The neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., 2-Way or Full). When an neighbor transitions from or to Full on non-broadcast multi-access and broadcast networks, the trap should be generated by the designated router.

Recommended Action:

If the OSPF neighbor relationship is established normally, no alarm recovery needs to be performed;
 If the state of OSPF neighbor transitions from higher to lower, you should check links for abnormal state. If there is no abnormality, check if the peer neighbor is sending Hello packet normally.

13.ospfVirtNbrStateChange

OID of this trap is:

1.3.6.1.2.1.14.16.2.3

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospflfStateChange trap signifies that there has been a change in the state of an OSPF virtual neighbor. This trap should be generated when the neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., Full).

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfVirtNbrArea (1.3.6.1.2.1.14.11.1.1)	AreaID	IpAddress
ospfVirtNbrRtrId (1.3.6.1.2.1.14.11.1.2)	RouterID	IpAddress
ospfVirtNbrState (1.3.6.1.2.1.14.11.1.5)	INTEGER	down(1),attempt(2),init(3),twoWay(4),exchangeStart(5),exchange(6),loading(7), full (8)

Trigger Action:

The neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., Full).

Recommended Action:

If the OSPF neighbor relationship is established normally, no alarm recovery needs to be performed;

If the state of OSPF neighbor transitions from higher to lower, you should check links for abnormal state. If there is no abnormality, you should check whether the configuration of “vlink peer” of neighbor is right . If there is no abnormality, check if the peer neighbor is sending packets normally.

14. ospflfConfigError

OID of this trap is:

1.3.6.1.2.1.14.16.2.4

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfIfConfigError trap signifies that a packet has been received on a non-virtual in-interface from a router whose configuration parameters conflict with this router's configuration parameters. Note that the event optionMismatch should cause a trap only if it prevents an adjacency from forming.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfIfIpAddress (1.3.6.1.2.1.14.7.1.1)	IpAddress	
ospfAddressLessIf (1.3.6.1.2.1.14.7.1.2)	Integer32	
ospfPacketSrc (1.3.6.1.2.1.14.16.1.4)	IpAddress	
ospfConfigErrorType (1.3.6.1.2.1.14.16.1.2)	INTEGER	badVersion (1), areaMismatch (2), unknownNbmaNbr (3), unknownVirtualNbr (4), authTypeMismatch (5), authFailure (6), netMaskMismatch (7), helloIntervalMismatch (8), deadIntervalMismatch (9), optionMismatch (10)
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

A packet has been received on a non-virtual interface from a router whose configuration parameters conflict with this router's configuration parameters. Note that the event optionMismatch should cause a trap only if it prevents an adjacency from forming.

Recommended Action:

You should check whether the configurations are correct. Note that configurations on the two ends need to be consistent.

15. ospfVirtIfConfigError

OID of this trap is:

1.3.6.1.2.1.14.16.2.5

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfConfigError trap signifies that a pack-et has been received on a virtual interface from a router whose configuration parameters conflict with this router's configuration parameters. Note that the event optionMismatch should cause a trap only if it prevents an ad-jacency from forming.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfVirtIfAreaId (1.3.6.1.2.1.14.9.1.1)	AreaID	IpAddress
ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2)	RouterID	IpAddress
ospfConfigErrorType (1.3.6.1.2.1.14.16.1.2)	INTEGER	badVersion (1), areaMismatch (2), unknownNbmaNbr (3), unknownVirtualNbr (4), authTypeMismatch (5), authFailure (6), netMaskMismatch (7), helloIntervalMismatch (8), deadIntervalMismatch (9), optionMismatch (10)
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

A packet has been received on a virtual interface from a router whose configuration parameters conflict with this router's configuration parameters. Note that the event optionMismatch should cause a trap only if it prevents an adjacency from forming.

Recommended Action:

You should check whether the configurations are correct. Note that configurations on the two ends need to be consistent.

16. ospflfAuthFailure

OID of this trap is:

1.3.6.1.2.1.14.16.2.6

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospflfAuthFailure trap signifies that a packet has been received on a non-virtual in-interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospflfIpAddress (1.3.6.1.2.1.14.7.1.1)	IpAddress	
ospfAddressLesslf (1.3.6.1.2.1.14.7.1.2)	Integer32	
ospfPacketSrc (1.3.6.1.2.1.14.16.1.4)	IpAddress	
ospfConfigErrorType (1.3.6.1.2.1.14.16.1.2)	INTEGER	badVersion (1), areaMismatch (2), unknownNbmaNbr (3), unknownVirtualNbr (4), authTypeMismatch (5), authFailure (6), netMaskMismatch (7), helloIntervalMismatch (8), deadIntervalMismatch (9), optionMismatch (10)
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

A packet has been received on a non-virtual interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Recommended Action:

Check the authentication type and password configured on the two ends, and make sure they are consistent .

17. ospfVirtlfAuthFailure

OID of this trap is:

1.3.6.1.2.1.14.16.2.7

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfVirtIfAuthFailure trap signifies that a packet has been received on a virtual interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfVirtIfArealD (1.3.6.1.2.1.14.9.1.1)	AreaID	IpAddress
ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2)	RouterID	IpAddress
ospfConfigErrorType (1.3.6.1.2.1.14.16.1.2)	INTEGER	badVersion (1), areaMismatch (2), unknownNbmaNbr (3), unknownVirtualNbr (4), authTypeMismatch (5), authFailure (6), netMaskMismatch (7), helloIntervalMismatch (8), deadIntervalMismatch (9), optionMismatch (10)
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

A packet has been received on a virtual interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Recommended Action:

Check the authentication type and password configured on the two ends, and make sure they are consistent.

18. ospfIfRxBadPacket

OID of this trap is:

1.3.6.1.2.1.14.16.2.8

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfIfRxBadPacket trap signifies that an OSPF packet has been received on a non-virtual interface that cannot be parsed.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfIfIpAddress (1.3.6.1.2.1.14.7.1.1)	IpAddress	IpAddress
ospfAddressLessIf (1.3.6.1.2.1.14.7.1.2)	Integer32	
ospfPacketSrc (1.3.6.1.2.1.14.16.1.4)	IpAddress	IpAddress
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

An OSPF packet has been received on a non-virtual interface that cannot be parsed.

Recommended Action:

Check whether the configurations of corresponding neighbors on the interface are correct, or whether there is any attack packet.

19. ospfVirtIfRxBadPacket

OID of this trap is:

1.3.6.1.2.1.14.16.2.9

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfRxBadPacket trap signifies that an OSPF packet has been received on a virtual interface that cannot be parsed.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfVirtIfAreaId (1.3.6.1.2.1.14.9.1.1)	AreaID	IpAddress
ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2)	RouterID	IpAddress
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)

Trigger Action:

An OSPF packet has been received on a virtual interface that cannot be parsed.

Recommended Action:

Check whether the configurations of corresponding neighbors on the interface are correct,

or whether there is any attack packet.

20. ospfTxRetransmit

OID of this trap is:

1.3.6.1.2.1.14.16.2.10

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfTxRetransmit trap signifies that an OSPF packet has been retransmitted on a non-virtual interface. All packets that may be re-transmitted are associated with an LSDB entry. The LS type, LS ID, and Router ID are used to identify the LSDB entry.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfIfIpAddress (1.3.6.1.2.1.14.7.1.1)	IpAddress	
ospfAddressLessIf (1.3.6.1.2.1.14.7.1.2)	Integer32	
ospfNbrRtrId (1.3.6.1.2.1.14.10.1.3)	RouterID	IpAddress
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)
ospfLsdbType (1.3.6.1.2.1.14.4.1.2)	INTEGER	routerLink (1), networkLink (2), summaryLink (3), asSummaryLink (4), asExternalLink (5), multicastLink (6), nssaExternalLink (7)
ospfLsdbLsid (1.3.6.1.2.1.14.4.1.3)	IpAddress	
ospfLsdbRouterId (1.3.6.1.2.1.14.4.1.4)	RouterID	IpAddress

Trigger Action:

An OSPF packet has been retransmitted on a non-virtual interface.

Recommended Action:

The loss of packet because of the size and transmitting quality of network, remove congestion of network to improve transmitting quality of network.

21. ospfVirtIfTxRetransmit

OID of this trap is:

1.3.6.1.2.1.14.16.2.11

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfTxRetransmit trap signifies that an OSPF packet has been retransmitted on a virtual interface. All packets that may be retransmitted are associated with an LSDB entry. The LS type, LS ID, and Router ID are used to identify the LSDB entry.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	AreaID	IpAddress
ospfVirtIfAreaId (1.3.6.1.2.1.14.9.1.1)	AreaID	IpAddress
ospfVirtIfNeighbor (1.3.6.1.2.1.14.9.1.2)	RouterID	IpAddress
ospfPacketType (1.3.6.1.2.1.14.16.1.3)	INTEGER	hello (1), dbDescript (2), IsReq (3), IsUpdate (4), IsAck (5)
ospfLsdbType (1.3.6.1.2.1.14.4.1.2)	INTEGER	routerLink (1), networkLink (2), summaryLink (3), asSummaryLink (4), asExternalLink (5), multicastLink (6), nssaExternalLink (7)
ospfLsdbLsid (1.3.6.1.2.1.14.4.1.3)	IpAddress	
ospfLsdbRouterId (1.3.6.1.2.1.14.4.1.4)	RouterID	IpAddress

Trigger Action:

An OSPF packet has been retransmitted on a virtual interface.

Recommended Action:

The loss of packet because of the size and transmitting quality of network, remove congestion of network to improve transmitting quality of network.

22. ospfOriginateLsa

OID of this trap is:

1.3.6.1.2.1.14.16.2.12

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfOriginateLsa trap signifies that a new LSA has been originated by this router.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	IpAddress	
ospfLsdbAreaId (1.3.6.1.2.1.14.4.1.1)	IpAddress	
ospfLsdbType (1.3.6.1.2.1.14.4.1.2)	INTEGER	routerLink(1), networkLink(2), summaryLink(3), asSummaryLink(4), asExternalLink(5), multicastLink(6), nssaExternalLink(7)
ospfLsdbLsid (1.3.6.1.2.1.14.4.1.3)	IpAddress	
ospfLsdbRouterId (1.3.6.1.2.1.14.4.1.4)	IpAddress	

Trigger Action:

This trap should not be invoked for simple refreshes of LSAs (which happens every 30 minutes), but instead will only be invoked when an LSA is (re)originated due to a topology change.

Recommended Action:

- 1) Check for wrong plug and pull out actions before generation of the alarm, if no, go to 2)
- 2) Check the network for any new router accessing, if no, go to 3)
- 3) Check the network for any deleted router, if no, go to 4)
- 4) Check routers for any interface down, If no, go to 5)
- 5) Check the imported external route for any change

23.ospfMaxAgeLsa

OID of this trap is:

1.3.6.1.2.1.14.16.2.13

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfMaxAgeLsa trap signifies that one of the LSA in the router's link-state database has aged to MaxAge.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	IpAddress	
ospfLsdbAreald (1.3.6.1.2.1.14.4.1.1)	IpAddress	
ospfLsdbType (1.3.6.1.2.1.14.4.1.2)	INTEGER	routerLink(1), networkLink(2), summaryLink(3), asSummaryLink(4), asExternalLink(5), multicastLink(6), nssaExternalLink(7)
ospfLsdbLsid (1.3.6.1.2.1.14.4.1.3)	IpAddress	
ospfLsdbRouterId (1.3.6.1.2.1.14.4.1.4)	IpAddress	

Trigger Action:

One of the LSA in the router's link-state database has aged to MaxAge.

Recommended Action:

- 1) Check for wrong configurations or wrong plug and pull out actions before generation of the alarm, if no, go to 2)
- 2) Check the router that generated the lsa for any interface state change, if no, go to the next
- 3) Check the router that generated the lsa for any identity change. For example, if the alarm occurs on category 3 lsa, see whether the router that generated the lsa is still ABR or not; if the alarm occurs on category 2 lsa, see whether the router that generated the lsa is still DR or not, etc. If no, go to the next
- 4) Check the neighbor state for any change, if no, go to the next
- 5) Check routers for any interface down in the network

24. ospfLsdbOverflow

OID of this trap is:

1.3.6.1.2.1.14.16.2.14

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfLsdbOverflow trap signifies that the number of LSAs in the router's link-state database has exceeded ospfExtLsdbLimit.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	IpAddress	
ospfExtLsdbLimit (1.3.6.1.2.1.14.1.11)	Integer32	The vlaue range is -1 and from 1 to 1000000.

Trigger Action:

The number of LSAs in the router's link-state database has exceeded ospfExtLsdbLimit.

Recommended Action:

Decrease the number of imported external routes.

25. ospfLsdbApproachingOverflow

OID of this trap is:

1.3.6.1.2.1.14.16.2.15

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfLsdbApproachingOverflow trap signifies that the number of LSAs in the router's linkstate database has exceeded ninety percent of ospfExtLsdbLimit.

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	IpAddress	
ospfExtLsdbLimit (1.3.6.1.2.1.14.1.11)	Integer32	-1 1..1000000

Trigger Action:

The number of LSAs in the router's linkstate database has exceeded ninety percent of ospfExtLsdbLimit.

Recommended Action:

Decrease the number of imported external routes.

26. ospflfStateChange

OID of this trap is:

1.3.6.1.2.1.14.16.2.16

Module of MIB:

OSPF-MIB

MIB file:

rfc1850-ospf.mib

Description:

An ospfIfStateChange trap signifies that there has been a change in the state of a non-virtual OSPF interface. This trap should be generated when the interface state regresses (e.g., goes from Dr to Down) or progresses to a terminal state (i.e., Point-to-Point, DR Other, Dr, or Backup).

Object Name	Object Type	Object Value Scope
ospfRouterId (1.3.6.1.2.1.14.1.1)	RouterID	IpAddress
ospfIfIpAddress (1.3.6.1.2.1.14.7.1.1)	IpAddress	
ospfAddressLessIf (1.3.6.1.2.1.14.7.1.2)	Integer32	
ospfIfState (1.3.6.1.2.1.14.7.1.12)	INTEGER	down (1), loopback (2), waiting (3), pointToPoint (4), designatedRouter (5), backupDesignatedRouter (6), otherDesignatedRouter (7)

Trigger Action:

The interface state regresses (e.g., goes from Dr to Down) or progresses to a terminal state (i.e., Point-to-Point, DR Other, Dr, or Backup).

Recommended Action:

No recovery is required for normal state change of OSPF interface.

As to normal change of Vlink state, it does not need to be recovered.

If the alarm is generated because the state of interface link changed, the reason of the state change should be found out. If the reason is that the interface is configured to be DOWN on the command line, you can restore it by configuring undo shutdown on the interface. If the hardware of the interface failed, please replace it. If the interface on peer end failed, you should troubleshoot on that interface.

27. bgpEstablished

OID of this trap is:

1.3.6.1.2.1.15.7.1

Module of MIB:

BGP4-MIB

MIB file:

rfc1657-bgp4.mib

Description:

The BGP Established event is generated when the BGP FSM enters the ESTABLISHED state.

Object Name	Object Type	Object Value Scope
bgpPeerLastError (1.3.6.1.2.1.15.3.1.14)	DisplayString	OCTET STRING (2)
bgpPeerState (1.3.6.1.2.1.15.3.1.2)	INTEGER	idle(1),connect(2),active(3),opensent(4), openconfirm(5),established(6)

Trigger Action:

BGP FSM enters the ESTABLISHED status.

Recommended Action:

This alarm is used to prompt the successful establishment of BGP neighbor relationships, so it does not need to be recovered.

28. bgpBackwardTransition

OID of this trap is:

1.3.6.1.2.1.15.7.2

Module of MIB:

BGP4-MIB

MIB file:

rfc1657-bgp4.mib

Description:

The BgpBackwardTransition Event is generated when the BGP FSM moves from a higher numbered state to a lower numbered state.

Object Name	Object Type	Object Value Scope
bgpPeerLastError (1.3.6.1.2.1.15.3.1.14)	DisplayString	OCTET STRING (2)
bgpPeerState (1.3.6.1.2.1.15.3.1.2)	INTEGER	idle(1),connect(2),active(3),opensent(4), openconfirm(5),established(6)

Trigger Action:

BGP FSM moves from a higher numbered state to a lower numbered state.

Recommended Action:

This alarm notifies the user of the BGP neighbor relationship changes. If it is caused by the link state, you need to check the link.

29.risingAlarm

OID of this trap is:

1.3.6.1.2.1.16.0.1

Module of MIB:

RMON-MIB

MIB file:

rfc2819-rmon.mib

Description:

The SNMP trap that is generated when an alarm entry crosses its rising threshold and generates an event that is configured for sending SNMP traps.

Object Name	Object Type	ObjectValueScope
alarmIndex (1.3.6.1.2.1.16.3.1.1.1)	Integer32	1..65535
alarmVariable (1.3.6.1.2.1.16.3.1.1.3)	OBJECT IDENTIFIER	
alarmSampleType (1.3.6.1.2.1.16.3.1.1.4)	INTEGER	absoluteValue(1), deltaValue(2)
alarmValue (1.3.6.1.2.1.16.3.1.1.5)	Integer32	
alarmRisingThreshold (1.3.6.1.2.1.16.3.1.1.7)	Integer32	

Trigger Action:

An alarm entry crosses its rising threshold

Recommended Action:

No action is required.

30.fallingAlarm

OID of this trap is:

1.3.6.1.2.1.16.0.2

Module of MIB:

RMON-MIB

MIB file:

rfc2819-rmon.mib

Description:

The SNMP trap that is generated when an alarm entry crosses its falling threshold and generates an event that is configured for sending SNMP traps.

Object Name	Object Type	ObjectValueScope
alarmIndex (1.3.6.1.2.1.16.3.1.1.1)	Integer32	
alarmVariable (1.3.6.1.2.1.16.3.1.1.3)	OBJECT IDENTIFIER	
alarmSampleType (1.3.6.1.2.1.16.3.1.1.4)	INTEGER	absoluteValue(1), deltaValue(2)
alarmValue (1.3.6.1.2.1.16.3.1.1.5)	Integer32	
alarmFallingThreshold (1.3.6.1.2.1.16.3.1.1.8)	Integer32	

Trigger Action:

An alarm entry crosses its falling threshold

Recommended Action:

No action is required.

31.entConfigChange

OID of this trap is:

1.3.6.1.2.1.47.2.0.1

Module of MIB:

ENTITY-MIB

MIB file:

rfc2737-entity.mib

Description:

An entConfigChange notification is generated when the value of entLastChangeTime changes. It can be utilized by an NMS to trigger logical/physical entity table maintenance polls.

An agent should not generate more than one entConfigChange 'notification-event' in a given time interval (five seconds is the suggested default). A 'notification-event' is the transmission of a single trap or inform PDU to a list of notification destinations.

If additional configuration changes occur within the throttling period, then notification-events for these changes should be suppressed by the agent until the current throttling period expires. At the end of a throttling period, one notification-event should be generated if any configuration changes occurred since the start of the throttling period. In such a case, another throttling period is started right away.

An NMS should periodically check the value of entLastChangeTime to detect any missed entConfigChange notification-events, e.g., due to throttling or transmission loss.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

Change the value of entLastChangeTime

Recommended Action:

No action is required.

32.vrrpTrapNewMaster**OID of this trap is:**

1.3.6.1.2.1.68.0.1

Module of MIB:

VRRP-MIB

MIB file:

rfc2787-vrrp.mib

Description:

This trap indicates that the agent has transitioned to 'Master' state.

Object Name	Object Type	Object Value Scope
vrrpOperMasterIpAddr (1.3.6.1.2.1.68.1.3.1.7)	IpAddress	

Trigger Action:

The agent transitioned to Master.

Recommended Action:

No action is required.

33.vrrpTrapAuthFailure**OID of this trap is:**

1.3.6.1.2.1.68.0.2

Module of MIB:

VRRP-MIB

MIB file:

rfc2787-vrrp.mib

Description:

This trap signifies that a packet has been received from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Implementation of this trap is optional.

Object Name	Object Type	Object Value Scope
vrrpTrapPacketSrc (1.3.6.1.2.1.68.1.5)	IpAddress	

Object Name	Object Type	Object Value Scope
vrrpTrapAuthErrorType (1.3.6.1.2.1.68.1.6)	INTEGER	invalidAuthType(1) authTypeMismatch(2) authFailure(3)

Trigger Action:

VRRP received a packet whose authentication key or authentication type conflicts with this router's authentication key or authentication type.

Recommended Action:

No action is required.

34. pingProbeFailed

OID of this trap is:

1.3.6.1.2.1.80.0.1

Module of MIB:

DISMAN-PING-MIB

MIB file:

rfc2925-disman-ping.mib

Description:

This trap is generated when a probe failure is detected when the corresponding pingCtlTrapGeneration object is set to probeFailure(0) subject to the value of pingCtlTrapProbeFailureFilter. The object pingCtlTrapProbeFailureFilter can be used to specify the number of successive probe failures that are required before this notification can be generated.

Object Name	Object Type	Object Value Scope
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsOperStatus (1.3.6.1.2.1.80.1.3.1.1)	INTEGER	enabled(1), disabled(2)
pingResultsIpTargetAddressType (1.3.6.1.2.1.80.1.3.1.2)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)

Object Name	Object Type	Object Value Scope
pingResultsIpTargetAddress (1.3.6.1.2.1.80.1.3.1.3)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsMinRtt (1.3.6.1.2.1.80.1.3.1.4)	Unsigned32	
pingResultsMaxRtt (1.3.6.1.2.1.80.1.3.1.5)	Unsigned32	
pingResultsAverageRtt (1.3.6.1.2.1.80.1.3.1.6)	Unsigned32	
pingResultsProbeResponses (1.3.6.1.2.1.80.1.3.1.7)	Unsigned32	
pingResultsSentProbes (1.3.6.1.2.1.80.1.3.1.8)	Unsigned32	
pingResultsRttSumOfSquares (1.3.6.1.2.1.80.1.3.1.9)	Unsigned32	
pingResultsLastGoodProbe (1.3.6.1.2.1.80.1.3.1.10)	DateAndTime	OCTET STRING (8 11)

Trigger Action:

A probe failure is detected.

Recommended Action:

No action is required.

35. pingTestFailed

OID of this trap is:

1.3.6.1.2.1.80.0.2

Module of MIB:

DISMAN-PING-MIB

MIB file:

rfc2925-disman-ping.mib

Description:

This trap is generated when a ping test is determined to have failed when the corresponding pingCtlTrapGeneration object is set to testFailure(1). In this instance pingCtlTrapTestFailureFilter should specify the number of probes in a test required to have failed in order to consider the test as failed.

Object Name	Object Type	Object Value Scope
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)

Object Name	Object Type	Object Value Scope
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsOperStatus (1.3.6.1.2.1.80.1.3.1.1)	INTEGER	enabled(1), disabled(2)
pingResultsIpTargetAddressType (1.3.6.1.2.1.80.1.3.1.2)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingResultsIpTargetAddress (1.3.6.1.2.1.80.1.3.1.3)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsMinRtt (1.3.6.1.2.1.80.1.3.1.4)	Unsigned32	
pingResultsMaxRtt (1.3.6.1.2.1.80.1.3.1.5)	Unsigned32	
pingResultsAverageRtt (1.3.6.1.2.1.80.1.3.1.6)	Unsigned32	
pingResultsProbeResponses (1.3.6.1.2.1.80.1.3.1.7)	Unsigned32	
pingResultsSentProbes (1.3.6.1.2.1.80.1.3.1.8)	Unsigned32	
pingResultsRttSumOfSquares (1.3.6.1.2.1.80.1.3.1.9)	Unsigned32	
pingResultsLastGoodProbe (1.3.6.1.2.1.80.1.3.1.10)	DateAndTime	OCTET STRING (8 11)

Trigger Action:

The corresponding pingCtlTrapGeneration object is set to testFailure(1).

Recommended Action:

No action is required.

36. pingTestCompleted

OID of this trap is:

1.3.6.1.2.1.80.0.3

Module of MIB:

DISMAN-PING-MIB

MIB file:

rfc2925-disman-ping.mib

Description:

This trap is generated at the completion of a ping test when the corresponding pingCtlTrapGeneration object is set to testCompletion(4).

Object Name	Object Type	Object Value Scope
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsOperStatus (1.3.6.1.2.1.80.1.3.1.1)	INTEGER	enabled(1), disabled(2)
pingResultsIpTargetAddressType (1.3.6.1.2.1.80.1.3.1.2)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingResultsIpTargetAddress (1.3.6.1.2.1.80.1.3.1.3)	InetAddress	OCTET STRING (SIZE (0..255))
pingResultsMinRtt (1.3.6.1.2.1.80.1.3.1.4)	Unsigned32	
pingResultsMaxRtt (1.3.6.1.2.1.80.1.3.1.5)	Unsigned32	
pingResultsAverageRtt (1.3.6.1.2.1.80.1.3.1.6)	Unsigned32	
pingResultsProbeResponses (1.3.6.1.2.1.80.1.3.1.7)	Unsigned32	
pingResultsSentProbes (1.3.6.1.2.1.80.1.3.1.8)	Unsigned32	
pingResultsRttSumOfSquares (1.3.6.1.2.1.80.1.3.1.9)	Unsigned32	
pingResultsLastGoodProbe (1.3.6.1.2.1.80.1.3.1.10)	DateAndTime	OCTET STRING (8 11)

Trigger Action:

The corresponding pingCtlTrapGeneration object is set to testCompletion

.

Recommended Action:

No action is required.

37.isisDatabaseOverload

OID of this trap is:

1.3.6.1.2.1.138.0.1

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

This notification is generated when the system enters or leaves the Overload state. The number of times this has been generated and cleared is kept track of by hh3clsisSysStatLSPDbaseOloads.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisSysLevelState (1.3.6.1.2.1.138.1.2.1.1.4)	IsisLevelState	INTEGER {off (1), on (2), waiting (3), overloaded(4)}

Trigger Action:

The ISIS LSP DB is overload. The overload state is entered or left.

Recommended Action:

Increase the memory resource or decrease the size of ISIS network.

38. isisManualAddressDrops

OID of this trap is:

1.3.6.1.2.1.138.0.2

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

This notification is generated when one of the manual areaAddresses assigned to this system is ignored when computing routes. The object isisNotificationAreaAddress describes the area that has been dropped.

The number of times this event has been generated is counted by isisSysStatManAddrDropFromAreas.

The agent must throttle the generation of consecutive isisManualAddressDrops notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationAreaAddress (1.3.6.1.2.1.138.1.10.1.15)	IsisOSINSAddress	OCTET STRING (0..20)

Trigger Action:

The number of manual area Addresses is larger than default Max area Addresses.

Recommended Action:

Decrease the number of invalid area addresses.

Leave unused area addresses.

39.isisCorruptedLSPDetected**OID of this trap is:**

1.3.6.1.2.1.138.0.3

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

This notification is generated when we find that an LSP that was stored in memory has become corrupted. The number of times this has been generated is counted by isisSysCorrLSPs.

We forward an LSP ID. We may have independent knowledge of the ID, but in some implementations there is a chance that the ID itself will be corrupted.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)

Trigger Action:

LSP is corrupted.

Recommended Action:

This alarm is used to prompt the corruption of LSP , so it does not need to be recovered.

40.isisAttemptToExceedMaxSequence**OID of this trap is:**

1.3.6.1.2.1.138.0.4

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

When the sequence number on an LSP we generate wraps the 32-bit sequence counter, we purge and wait to re-announce this information. This notification describes that event. Since these should not be generated rapidly, we generate an event each time this happens.

While the first 6 bytes of the LSPID are ours, the other two contain useful information.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)

Trigger Action:

LSP sequence number exceeds the max value.

Recommended Action:

This alarm is used to prompt the excess of LSP number, so it does not need to be recovered.

41. isisIDLenMismatch

OID of this trap is:

1.3.6.1.2.1.138.0.5

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a PDU with a different value for the System ID Length. This notification includes an index to identify the circuit where we saw the PDU and the header of the PDU, which may help a network manager identify the source of the confusion.

The agent must throttle the generation of consecutive isisIDLenMismatch notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisPduFieldLen (1.3.6.1.2.1.138.1.10.1.5)	IsisUnsigned8TC	Unsigned32 (0..255)

Object Name	Object Type	Object Value Scope
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The length of sent and received System ID are different.

Recommended Action:

Match the two System ID length.

42. isisMaxAreaAddressesMismatch

OID of this trap is:

1.3.6.1.2.1.138.0.6

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a PDU with a different value for the Maximum Area Addresses. This notification includes the header of the packet, which may help a network manager identify the source of the confusion.

The agent must throttle the generation of consecutive isisMaxAreaAddressesMismatch notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisPduMaxAreaAddress (1.3.6.1.2.1.138.1.10.1.6)	IsisUnsigned8TC	Unsigned32 (0..255)
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

Maximum Area Addresses mismatch between sender and receiver.

Recommended Action:

Match the two Maximum Area Addresses.

43. isisOwnLSPPurge

OID of this trap is:

1.3.6.1.2.1.138.0.7

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a PDU with our systemID and zero age. This notification includes the circuit Index and router ID from the LSP, if available, which may help a network manager identify the source of the confusion.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircuitIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)

Trigger Action:

Receive a PDU with local system ID and zero age.

Recommended Action:

Delete own LSP.

44. isisSequenceNumberSkip

OID of this trap is:

1.3.6.1.2.1.138.0.8

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

When we receive an LSP with our System ID and different contents, we may need to reissue the LSP with a higher sequence number.

We send this notification if we need to increase the sequence number by more than one. If two Intermediate Systems are configured with the same System ID, this notification will fire.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)

Trigger Action:

Sequence number of received LSP is larger than own LSP.

Recommended Action:

This alarm is used to prompt the skip of LSP number, so it does not need to be recovered.

45. isisAuthenticationTypeFailure

OID of this trap is:

1.3.6.1.2.1.138.0.9

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a PDU with the wrong authentication type field. This notification includes the header of the packet, which may help a network manager identify the source of the confusion.

The agent must throttle the generation of consecutive isisAuthenticationTypeFailure notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The authenticate information type mismatches.

Recommended Action:

Confirm the authenticate information type whether can be matched.

46.isisAuthenticationFailure

OID of this trap is:

1.3.6.1.2.1.138.0.10

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a PDU with an incorrect authentication information field. This notification includes the header of the packet, which may help a network manager identify the source of the confusion. The agent must throttle the generation of consecutive isisAuthenticationFailure notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The authenticate information mismatches.

The authenticate type mismatches

Recommended Action:

Confirm the authenticate password whether can be matched.

Confirm the authenticate type whether can be matched

47.isisVersionSkew

OID of this trap is:

1.3.6.1.2.1.138.0.11

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a Hello PDU from an IS running a different version of the protocol. This notification includes the header of the packet, which may help a network manager identify the source of the confusion.

The agent must throttle the generation of consecutive isisVersionSkew notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIfIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduProtocolVersion (1.3.6.1.2.1.138.1.10.1.7)	IsisUnsigned8TC	Unsigned32 (0..255)
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The ISIS running version are different.

Recommended Action:

Confirm the reason of the difference.

48. isisAreaMismatch

OID of this trap is:

1.3.6.1.2.1.138.0.12

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a Hello PDU from an IS that does not share any area address. This notification includes the header of the packet, which may help a network manager identify the source of the confusion.

The agent must throttle the generation of consecutive isisAreaMismatch notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The reachable area addresses mismatch.

Recommended Action:

Confirm the reason of the differenc.

49. isisRejectedAdjacency

OID of this trap is:

1.3.6.1.2.1.138.0.13

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we receive a Hello PDU from an IS but do not establish an adjacency for some reason.

The agent must throttle the generation of consecutive isisRejectedAdjacency notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The area addresses is wrong.

System tpye is wrong.

Receive own LSP.

Authenticate fails.

Recommended Action:

Check the level of both sides .

Check whether the area address is same, when the level is level 1.

50. isisLSPTooLargeToPropagate

OID of this trap is:

1.3.6.1.2.1.138.0.14

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when we attempt to propagate an LSP that is larger than the dataLinkBlockSize for the circuit.

The agent must throttle the generation of consecutive isisLSPTooLargeToPropagate notifications so that there is at least a 5-second gap between notifications of this type.

When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircuitIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduLspSize (1.3.6.1.2.1.138.1.10.1.8)	Unsigned32	0..2147483647
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)

Trigger Action:

The size of LSP is larger than dataLinkBlockSize for the circuit.

Recommended Action:

Please check the source LSPOriginatorBufferSize, who originated the LSP to send, is greater than the current interface MTU size.

51. isisOrigLSPBuffSizeMismatch

OID of this trap is:

1.3.6.1.2.1.138.0.15

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when a Level 1 LSP or Level 2 LSP is received that is larger than the local value for isisSysLevelOrigLSPBuffSize, or when an LSP is received that contains the supported Buffer Size option and the value in the PDU option field does not match the local value for isisSysLevelOrigLSPBuffSize. We pass up the size from the option field and the size of the LSP when one of them exceeds our configuration.

The agent must throttle the generation of consecutive isisOrigLSPBuffSizeMismatch notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduLspld (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)
isisPduOriginatingBufferSize (1.3.6.1.2.1.138.1.10.1.9)	IsisUnsigned16TC	Unsigned32 (0..65535)
isisPduBufferSize	IsisUnsigned16TC	Unsigned32 (0..65535)

Trigger Action:

The size of LSP is larger than local buffer size.

Recommended Action:

Decrease LSP originating size of sender.

Increase LSP receiving size of local.

52. isisProtocolsSupportedMismatch

OID of this trap is:

1.3.6.1.2.1.138.0.16

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when a non-pseudonode segment 0 LSP is received that has no matching protocols supported. This may be because the system does not generate the field, or because there are no common elements. The list of protocols supported should be included in the notification: it may be empty if the TLV is not supported, or if the TLV is empty.

The agent must throttle the generation of consecutive isisProtocolsSupportedMismatch notifications so that there is at least a 5-second gap between notifications of this type. When notifications are throttled, they are dropped, not queued for sending at a future time.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIfIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduProtocolsSupported (1.3.6.1.2.1.138.1.10.1.11)	DisplayString	OCTET STRING (0..255)
isisPduLspld (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)

Trigger Action:

The supported protocols mismatch.

Recommended Action:

Check both protocols type , confirm they have the same protocols.

53.isisAdjacencyChange

OID of this trap is:

1.3.6.1.2.1.138.0.17

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

A notification sent when an adjacency changes state, entering or leaving state up. The first 6 bytes of the isisPduLspld are the SystemID of the adjacent IS. The isisAdjState is the new state of the adjacency.

Object Name	Object Type	Object Value Scope
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Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduLspId (1.3.6.1.2.1.138.1.10.1.3)	IsisLinkStatePDUID	OCTET STRING (8)
isisAdjState (1.3.6.1.2.1.138.1.10.1.12)	INTEGER	down(1), initializing(2), up(3), failed(4)

Trigger Action:

Creat adjacency.
 Delete adjacency.
 Adjacency overtime.
 Adjacency state change.

Recommended Action:

Check the reason of change, confirm whether the changer is normal.

54. isisLSPErrorDetected

OID of this trap is:

1.3.6.1.2.1.138.0.18

Module of MIB:

ISIS-MIB

MIB file:

rfc4444-isis.mib

Description:

This notification is generated when we receive an LSP with a parse error. The isisCircIflIndex holds an index of the circuit on which the PDU arrived. The isisPduFragment holds the start of the LSP, and the isisErrorOffset points to the problem. If the problem is a malformed TLV, isisErrorOffset points to the start of the TLV, and isisErrorTLVtype holds the value of the type. If the problem is with the LSP header, isisErrorOffset points to the suspicious byte. The number of such LSPs is accumulated in isisSysStatLSPErrors.

Object Name	Object Type	Object Value Scope
isisNotificationSysLevelIndex (1.3.6.1.2.1.138.1.10.1.1)	IsisLevel	INTEGER {level1(1), level2(2), level1and2(3)}
isisPduLspId	IsisLinkStatePDUID	OCTET STRING (8)

Object Name	Object Type	Object Value Scope
(1.3.6.1.2.1.138.1.10.1.3)		
isisNotificationCircIflIndex (1.3.6.1.2.1.138.1.10.1.2)	Unsigned32	1..2147483647
isisPduFragment (1.3.6.1.2.1.138.1.10.1.4)	IsisPDUHeader	OCTET STRING (0..64)
isisErrorOffset (1.3.6.1.2.1.138.1.10.1.13)	Unsigned32	
isisErrorTLVType (1.3.6.1.2.1.138.1.10.1.14)	Unsigned32	0..255

Trigger Action:

While received a LSP with malformed.

Recommended Action:

Check whether there is any attack packet.

55.pimNeighborLoss

OID of this trap is:

1.3.6.1.2.1.157.0.1

Module of MIB:

PIM-STD-MIB

MIB file:

rfc5060-pim-std.mib

Description:

A pimNeighborLoss notification signifies the loss of an adjacency with a neighbor. This notification should be generated when the neighbor timer expires, and the router has no other neighbors on the same interface with the same IP version and a lower IP address than itself.

Object Name	Object Type	Object Value Scope
pimNeighborUpTime (1.3.6.1.2.1.157.1.2.1.6)	TimeTicks	

Trigger Action:

This notification is generated whenever the counter pimNeighborLossCount is incremented, subject to the rate limit specified by pimNeighborLossNotificationPeriod.

Recommended Action:

Please check whether the lost PIM neighbor is work well.

56. pimBsrElectedBSRLostElection

OID of this trap is:

1.3.6.1.2.1.172.0.1

Module of MIB:

PIM-BSR-MIB

MIB file:

rfc5240-pim-bsr.mib

Description:

A pimBsrElectedBSRLostElection notification should be generated when current E-BSR lost election to a new Candidate-BSR. Only an E-BSR should generate this notification.

Object Name	Object Type	Object Value Scope
pimBsrElectedBSRAddressType (1.3.6.1.2.1.172.1.4.1.2)	InetAddressType	INTEGER{ unknown(0), ipv4(1), ipv6(2) }
pimBsrElectedBSRAddress (1.3.6.1.2.1.172.1.4.1.3)	InetAddress	OCTET STRING(4 16)
pimBsrElectedBSRPriority (1.3.6.1.2.1.172.1.4.1.4)	Unsigned32	0..255

Trigger Action:

This notification is generated when pimBsrCandidateBSRElectedBSR becomes FALSE.

Recommended Action:

Please check whether the configuration of ElectedBSR or CandidateBSR is changed.

57. pimBsrCandidateBSRWinElection

OID of this trap is:

1.3.6.1.2.1.172.0.2

Module of MIB:

PIM-BSR-MIB

MIB file:

rfc5240-pim-bsr.mib

Description:

A pimBsrCandidateBSRWinElection notification should be generated when a C-BSR wins BSR Election. Only an E-BSR should generate this notification.

Object Name	Object Type	Object Value Scope
pimBsrCandidateBSRElectedBSR	TruthValue	INTEGER { true(1), false(2) }

Trigger Action:

This notification is generated when pimBsrCandidateBSRElectedBSR becomes TRUE.

Recommended Action:

Please check whether the configuration of ElectedBSR or CandidateBSR is changed.

58. IldpRemTablesChange**OID of this trap is:**

1.0.8802.1.1.2.0.0.1

Module of MIB:

LLDP-MIB

MIB file:

Ildp.mib

Description:

A IldpRemTablesChange notification is sent when the value of IldpStatsRemTableLastChangeTime changes. It can be utilized by an NMS to trigger LLDP remote systems table maintenance polls.

Note that transmission of IldpRemTablesChange notifications are throttled by the agent, as specified by the 'IldpNotificationInterval' object."

Object Name	Object Type	ObjectValueScope
IldpStatsRemTablesInserts (1.0.8802.1.1.2.1.2.2)	ZeroBasedCounter32	
IldpStatsRemTablesDeletes (1.0.8802.1.1.2.1.2.3)	ZeroBasedCounter32	
IldpStatsRemTablesDrops (1.0.8802.1.1.2.1.2.4)	ZeroBasedCounter32	
IldpStatsRemTablesAgeouts (1.0.8802.1.1.2.1.2.5)	ZeroBasedCounter32	

Trigger Action:

The remote system information is inserted, deleted, dropped or aged out.

Recommended Action:

The network management should confirm whether the net topology has been changed expectably.

59. dot1agCfmFaultAlarm**OID of this trap is:**

1.3.111.2.802.1.1.8.0.1

Module of MIB:

IEEE8021-CFM-MIB

MIB file:

ieee8021-cfm.mib

Description:

A MEP has a persistent defect condition. A notification (fault alarm) is sent to the management entity with the OID of the MEP that has detected the fault.

Whenever a MEP has a persistent defect, it may or may not generate a Fault Alarm to warn the system administrator of the problem, as controlled by the MEP Fault Notification Generator State Machine and associated Managed objects. Only the highest-priority defect, as shown in Table 20-1, is reported in the Fault Alarm.

If a defect with a higher priority is raised after a Fault Alarm has been issued, another Fault Alarm is issued.

The management entity receiving the notification can identify the system from the network source address of the notification, and can identify the MEP reporting the defect by the indices in the OID of the dot1agCfmMepHighestPrDefect variable in the notification:

dot1agCfmMdIndex - Also the index of the MEP's Maintenance Domain table entry (dot1agCfmMdTable).

dot1agCfmMaIndex - Also an index (with the MD table index) of the MEP's Maintenance Association network table entry (dot1agCfmMaNetTable), and (with the MD table index and component ID) of the MEP's MA component table entry (dot1agCfmMaCompTable).

dot1agCfmMepIdentifier - MEP Identifier and final index into the MEP table (dot1agCfmMepTable).

Object Name	Object Type	ObjectValueScope
dot1agCfmMdIndex (1.3.111.2.802.1.1.8.1.5.2.1.1)	Unsigned32	
dot1agCfmMaIndex (1.3.111.2.802.1.1.8.1.6.1.1.1)	Unsigned32	
dot1agCfmMepIdentifier (1.3.111.2.802.1.1.8.1.7.1.1.1)	Unsigned32	1..8191
dot1agCfmMepHighestPrDefect (1.3.111.2.802.1.1.8.1.7.1.1.13)	INTEGER	none (0), defRemoteCCM (3), defErrorCCM (4), defXconCCM (5)

Trigger Action:

A MEP has a persistent defect condition.

Recommended Action:

The network management should fix the defect according to defect type.

60.dot3OamThresholdEvent**OID of this trap is:**

1.3.6.1.2.1.158.0.1

Module of MIB:

DOT3-OAM-MIB

MIB file:

rfc4878-dot3-oam.mib

Description:

A dot3OamThresholdEvent notification is sent when a local or remote threshold crossing event is detected. A local threshold crossing event is detected by the local entity, while a remote threshold crossing event is detected by the reception of an Ethernet OAM Event Notification OAMPDU that indicates a threshold event.

Object Name	Object Type	ObjectValueScope
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Object Name	Object Type	ObjectValueScope
dot3OamEventLogTimestamp (1.3.6.1.2.1.158.1.6.1.2)	TimeStamp	
dot3OamEventLogOui (1.3.6.1.2.1.158.1.6.1.3)	EightOTwoOui	
dot3OamEventLogType (1.3.6.1.2.1.158.1.6.1.4)	Unsigned32	erroredSymbolEvent(1), erroredFramePeriodEvent(2), erroredFrameEvent(3), erroredFrameSecondsEvent(4)
dot3OamEventLogLocation (1.3.6.1.2.1.158.1.6.1.5)	INTEGER	local(1), remote(2)
dot3OamEventLogWindowHi (1.3.6.1.2.1.158.1.6.1.6)	Unsigned32	
dot3OamEventLogWindowLo (1.3.6.1.2.1.158.1.6.1.7)	Unsigned32	
dot3OamEventLogThresholdHi (1.3.6.1.2.1.158.1.6.1.8)	Unsigned32	
dot3OamEventLogThresholdLo (1.3.6.1.2.1.158.1.6.1.9)	Unsigned32	
dot3OamEventLogValue (1.3.6.1.2.1.158.1.6.1.10)	CounterBasedGauge64	
dot3OamEventLogRunningTotal (1.3.6.1.2.1.158.1.6.1.11)	CounterBasedGauge64	
dot3OamEventLogEventTotal (1.3.6.1.2.1.158.1.6.1.12)	Unsigned32	

Trigger Action:

A dot3OamThresholdEvent notification is sent when a local or remote threshold crossing event is detected.

Recommended Action:

Check the link.

61. dot3OamNonThresholdEvent

OID of this trap is:

1.3.6.1.2.1.158.0.2

Module of MIB:

DOT3-OAM-MIB

MIB file:

rfc4878-dot3-oam.mib

Description:

A dot3OamNonThresholdEvent notification is sent when a local or remote non-threshold crossing event is detected. A local event is detected by the local entity, while a remote event is detected by the reception of an Ethernet OAM Event. Notification OAMPDU that indicates a non-threshold crossing event.

Object Name	Object Type	ObjectValueScope
dot3OamEventLogTimestamp (1.3.6.1.2.1.158.1.6.1.2)	TimeStamp	
dot3OamEventLogOui (1.3.6.1.2.1.158.1.6.1.3)	EightOTwoOui	
dot3OamEventLogType (1.3.6.1.2.1.158.1.6.1.4)	Unsigned32	linkFault(256), dyingGaspEvent(257), criticalLinkEvent(258)
dot3OamEventLogLocation (1.3.6.1.2.1.158.1.6.1.5)	INTEGER	local(1), remote(2)
dot3OamEventLogEventTotal (1.3.6.1.2.1.158.1.6.1.12)	Unsigned32	

Trigger Action:

A dot3OamNonThresholdEvent notification is sent when a local or remote non-threshold crossing event is detected.

Recommended Action:

Don't use this link until it returns to a normal condition.

62.pimBsrElectedBSRLostElection

OID of this trap is:

1.3.6.1.2.1.157.0.1

Module of MIB:

PIM-STD-MIB

MIB file:

rfc5060-pim-std.mib

Description:

A pimNeighborLoss notification signifies the loss of an adjacency with a neighbor. This notification should be generated when the neighbor timer expires, and the router has no other neighbors on the same interface with the same IP version and a lower IP address than itself.

Object Name	Object Type	Object Value Scope
pimNeighborUpTime (1.3.6.1.2.1.157.1.2.1.6)	TimeTicks	

Trigger Action:

This notification is generated whenever the counter pimNeighborLossCount is incremented, subject to the rate limit specified by pimNeighborLossNotificationPeriod.

Recommended Action:

Please check whether the lost PIM neighbor is work well.

63. pimBsrCandidateBSRWinElection

OID of this trap is:

1.3.6.1.2.1.172.0.2

Module of MIB:

PIM-BSR-MIB

MIB file:

rfc5240-pim-bsr.mib

Description:

A pimBsrCandidateBSRWinElection notification should be generated when a C-BSR wins BSR Election. Only an E-BSR should generate this notification.

Object Name	Object Type	Object Value Scope
pimBsrCandidateBSRElectedBSR	TruthValue	INTEGER { true(1), false(2) }

Trigger Action:

This notification is generated when pimBsrCandidateBSRElectedBSR becomes TRUE.

Recommended Action:

Please check whether the configuration of ElectedBSR or CandidateBSR is changed.

64. pimNeighborLoss

OID of this trap is:

1.3.6.1.2.1.157.0.1

Module of MIB:

PIM-STD-MIB

MIB file:

rfc5060-pim-std.mib

Description:

A pimNeighborLoss notification signifies the loss of an adjacency with a neighbor. This notification should be generated when the neighbor timer expires, and the router has no other neighbors on the same interface with the same IP version and a lower IP address than itself.

Object Name	Object Type	Object Value Scope
pimNeighborUpTime (1.3.6.1.2.1.157.1.2.1.6)	TimeTicks	

Trigger Action:

This notification is generated whenever the counter pimNeighborLossCount is incremented, subject to the rate limit specified by pimNeighborLossNotificationPeriod.

Recommended Action:

Please check whether the lost PIM neighbor is work well.

Private Traps

1. hh3cLogIn

OID of this trap is:

1.3.6.1.4.1.25506.2.2.1.1.3.0.1

Module of MIB:

HH3C-UI-MAN-MIB

MIB file:

hh3c-ui-man.mib

Description:

This notification is generated when a user logs in.

Object Name	Object Type	ObjectValueScope
hh3cTerminalUserName (1.3.6.1.4.1.25506.2.2.1.1.2.1)	DisplayString	
hh3cTerminalSource (1.3.6.1.4.1.25506.2.2.1.1.2.2)	DisplayString	

Trigger Action:

A user logs in.

Recommended Action:

No action is required.

2. hh3cLogOut

OID of this trap is:

1.3.6.1.4.1.25506.2.2.1.1.3.0.2

Module of MIB:

HH3C-UI-MAN-MIB

MIB file:

hh3c-ui-man.mib

Description:

This notification is generated when a user logs out.

Object Name	Object Type	ObjectValueScope
hh3cTerminalUserName	DisplayString	

Object Name	Object Type	ObjectValueScope
(1.3.6.1.4.1.25506.2.2.1.1.2.1)		
hh3cTerminalSource (1.3.6.1.4.1.25506.2.2.1.1.2.2)	DisplayString	

Trigger Action:

A user logs out.

Recommended Action:

No action is required.

3. hh3cLogInAuthenFailure

OID of this trap is:

1.3.6.1.4.1.25506.2.2.1.1.3.0.3

Module of MIB:

HH3C-UI-MAN-MIB

MIB file:

hh3c-ui-man.mib

Description:

This notification is generated when a user fails to log in because of authentication.

Object Name	Object Type	ObjectValueScope
hh3cTerminalUserName (1.3.6.1.4.1.25506.2.2.1.1.2.1)	DisplayString	
hh3cTerminalSource (1.3.6.1.4.1.25506.2.2.1.1.2.2)	DisplayString	
hh3cTerminalUserAuthFailureReason (1.3.6.1.4.1.25506.2.2.1.1.2.3)	INTEGER	exceedRetries(1), authTimeout(2), otherReason(3)

Trigger Action:

A user fails to log in because of authentication.

Recommended Action:

Check user's authorization.

4. hh3cSysClockChangedNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.3.2.1

Module of MIB:

HH3C-SYS-MAN-MIB

MIB file:

hh3c-sys-man.mib

Description:

A clock changed notification is generated when the current local date and time for the system has been manually changed. The value of hh3cSysLocalClock reflects new date and time.

Object Name	Object Type	ObjectValueScope
hh3cSysLocalClock (1.3.6.1.4.1.25506.2.3.1.1.1)	DateAndTime	

Trigger Action:

The current local date and time for the system has been manually changed.

Recommended Action:

All of the reload schedules need to be configured again, because all of them were cancelled.

5. hh3cSysReloadNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.3.2.2

Module of MIB:

HH3C-SYS-MAN-MIB

MIB file:

hh3c-sys-man.mib

Description:

An hh3cSysReloadNotification will be sent before the corresponding entity is rebooted. It will also be sent if the entity fails to reboot because the clock has changed.

Object Name	Object Type	ObjectValueScope
hh3cSysReloadCfgFile (1.3.6.1.4.1.25506.2.3.1.3.3.1.3)	Integer32	0..2147483647
hh3cSysReloadImage (1.3.6.1.4.1.25506.2.3.1.3.3.1.4)	Integer32	0..2147483647
hh3cSysReloadReason (1.3.6.1.4.1.25506.2.3.1.3.3.1.5)	DisplayString	(SIZE (0..255))
hh3cSysReloadScheduleTime (1.3.6.1.4.1.25506.2.3.1.3.3.1.6)	DateAndTime	(SIZE(8))

hh3cSysReloadAction (1.3.6.1.4.1.25506.2.3.1.3.2)	INTEGER	reloadUnavailable(1), reloadOnSchedule(2), reloadAtOnce(3), reloadCancel(4)
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Trigger Action:

It will be sent before the corresponding entity is rebooted, or the entity fails to reboot because the clock has changed.

Recommended Action:

Check the status of reload schedule and the current time.

6. hh3cSysStartUpNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.3.2.3

Module of MIB:

HH3C-SYS-MAN-MIB

MIB file:

hh3c-sys-man.mib

Description:

A hh3cSysStartUpNotification trap will be sent when the system starts up with 'main' image file failed, a trap will be sent to indicate which type the current image file (i.e. backup or secure) is.

Object Name	Object Type	ObjectValueScope
hh3cSysImageType (1.3.6.1.4.1.25506.2.3.1.4.2.1.5)	INTEGER	main(1), backup(2), none(3), secure(4), main-backup(5), main-secure(6), backup-secure(7), main-backup-secure(8)

Trigger Action:

It will be sent when the system starts up with 'main' image file failed.

Recommended Action:

Make sure the boot image file is correct.

7. hh3cCfgManEventlog

OID of this trap is:

1.3.6.1.4.1.25506.2.4.2.1

Module of MIB:

HH3C-CONFIG-MAN-MIB

MIB file:

hh3c-config-man.mib

Description:

The object calculates the checksum on the current config per 10 minutes and even if it is different from the saved config but if a trap has been sent with the same checksum then don't send again until the checksum is different.

Object Name	Object Type	ObjectValueScope
hh3cCfgLogSrcCmd (1.3.6.1.4.1.25506.2.4.1.1.7.1.3)	INTEGER	cmdLine(1), snmp(2), other(3)
hh3cCfgLogSrcData (1.3.6.1.4.1.25506.2.4.1.1.7.1.4)	INTEGER	erase(1), runningData(2), commandSource(3), startupData(4), local(5), netFtp(6), hotPlugging(7)
hh3cCfgLogDesData (1.3.6.1.4.1.25506.2.4.1.1.7.1.5)	INTEGER	unkown(1), runningData(2), commandSource(3), startupData(4), local(5), etkFtp(6), hotPlugging(7)

Trigger Action:

Every 10 minutes, the checksum of the current configuration will be compared with that of 10 minutes before, if the result is different, the trap will be sent.

Recommended Action:

Check the current configuration, save the current configuration if it is necessary.

8. hh3cCfgOperateCompletion

OID of this trap is:

1.3.6.1.4.1.25506.2.4.2.2

Module of MIB:

HH3C-CONFIG-MAN-MIB

MIB file:

hh3c-config-man.mib

Description:

When create hh3cCfgOperateTable successfully, a notification may be generated.

Object Name	Object Type	ObjectValueScope
hh3cCfgOperateType (1.3.6.1.4.1.25506.2.4.1.2.4.1.2)	ConfigOperationType	INTEGER { running2Startup(1), startup2Running(2), running2Net(3), net2Running(4), net2Startup(5), startup2Net(6) }
hh3cCfgOperateTime (1.3.6.1.4.1.25506.2.4.1.2.5.1.5)	TimeTicks	
hh3cCfgOperateState (1.3.6.1.4.1.25506.2.4.1.2.5.1.4)	INTEGER	opInProgress(1), opSuccess(2), opInvalidOperation(3), opInvalidProtocol(4), opInvalidSourceName(5), opInvalidDestName(6), opInvalidServerAddress(7), opDeviceBusy(8), opDeviceOpenError(9), opDeviceError(10), opDeviceNotProgrammable(11), opDeviceFull(12), opFileOpenError(13), opFileTransferError(14), opFileChecksumError(15), opNoMemory(16), opAuthFail(17), opTimeOut(18), opUnknownFailure(19)
hh3cCfgOperateEndTime (1.3.6.1.4.1.25506.2.4.1.2.5.1.6)	TimeTicks	

Trigger Action:

When creating hh3cCfgOperateTable successfully, the trap may be generated.

Recommended Action:

Please wait until the operation done.

9. hh3cCfgInvalidConfigFile

OID of this trap is:

1.3.6.1.4.1.25506.2.4.2.3

Module of MIB:

HH3C-CONFIG-MAN-MIB

MIB file:

hh3c-config-man.mib

Description:

When the configuration file is invalid, this notification will be generated.

Object Name	Object Type	ObjectValueScope
hh3cCfgOperateType (1.3.6.1.4.1.25506.2.4.1.2.4.1.2)	ConfigOperationType	net2Running(4), net2Startup(5),
hh3cCfgOperateFileName (1.3.6.1.4.1.25506.2.4.1.2.4.1.4)	DisplayString	OCTET STRING (1..128)

Trigger Action:

When the file is invalid, the notification will be generated.

Recommended Action:

Make sure the configuration file is correct.

10. hh3cFlhOperNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.5.1.3.1

Module of MIB:

HH3C-FLASH-MAN-MIB

MIB file:

hh3c-flash-man.mib

Description:

A hh3cFlhOperNotification is sent at the completion of a flash copy operation if hh3cFlhOperEndNotification is true.

Object Name	Object Type	ObjectValueScope
hh3cFlhOperStatus (1.3.6.1.4.1.25506.2.5.1.2.1.1.9)	Hh3cFlashOperationStatus	opInProgress(1), opSuccess(2), opInvalid(3), opInvalidProtocol(4), opInvalidSourceName(5), opInvalidDestName(6), opInvalidServerAddress(7), opDeviceBusy(8), opDeviceOpenError(9), opDeviceError(10), opDeviceNotProgrammable(11), opDeviceFull(12), opFileOpenError(13), opFileTransferError(14), opFileChecksumError(15), opNoMemory(16), opAuthFail(17), opTimeout(18), opUnknownFailure(19), opDeleteFileOpenError(20), opDeleteInvalidDevice(21), opDeleteInvalidFunction(22),opDeleteOperationError(23),opDeleteInvalidFileName(24), opDeleteDeviceBusy(25), opDeleteParaError(26), opDeleteInvalidPath(27)

Trigger Action:

The completion of a flash copy operation if hh3cFlhOperEndNotification is true

Recommended Action:

No action is required.

11. hh3cEntityExtTemperatureThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.1

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The hh3cEntityExtTemperatureThresholdNotification indicates the temperature exceeded the threshold. In this condition, user should check the status and the environment of the entity, sometimes it happens because of the failure of air-condition.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.1.12)	INTEGER	
hh3cEntityExtTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.1.13)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

When the temperature exceeded the threshold, the notification will be generated.

Recommended Action:

Dispatch to site take temperature reading to ensure that they are in range If they are not investigate enviornmental alarms fan and filter dertermine the reason and rectify the problem.

12. hh3cEntityExtVoltageLowThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.2

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The hh3cEntityExtVoltageLowThresholdNotification indicates the voltage is lower than the threshold. If the voltage is lower too much than the entity needs, the entity will halt.

Object Name	Object Type	Object Value Scope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtVoltage (1.3.6.1.4.1.25506.2.6.1.1.1.1.14)	INTEGER	
hh3cEntityExtVoltageLowThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.15)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	

Trigger Action:

When the voltage is lower than the threshold, the notification will be generated.

Recommended Action:

Dispatch to the site to take voltage ensure in the right range. The threshold value can obtain by "hh3cEntityExtVoltageLowThreshold" and "hh3cEntityExtVoltageHighThreshold". Replace the power module if they are not in the range.

13. hh3cEntityExtVoltageHighThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.3

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The hh3cEntityExtVoltageHighThresholdNotification indicates the voltage is higher than the threshold. If the voltage is higher too much than the entity needs, the entity may be damaged by the high voltage.

Object Name	Object Type	Object Value Scope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtVoltage (1.3.6.1.4.1.25506.2.6.1.1.1.1.14)	INTEGER	
hh3cEntityExtVoltageHighThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.16)	INTEGER	

hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	

Trigger Action:

When the voltage is higher than the threshold, the notification will be generated.

Recommended Action:

CK entity for proper voltage levels with an ethernet test set. If defective RMA Module.

14. hh3cEntityExtCpuUsageThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.4

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The CPU usage of the module is higher than the value of hh3cEntityExtCpuUsageThreshold. Only support Module Level1.

We send the notification every 5 seconds until the CPU usage of the module goes down below the upper limit.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
hh3cEntityExtCpuUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.6)	INTEGER	Integer32
hh3cEntityExtCpuUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.7)	INTEGER	Integer32
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	INTEGER	Integer32
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	INTEGER	Integer32

Trigger Action:

An entity's CPU usage goes over the upper limit

Recommended Action:

No action is required.

15. hh3cEntityExtMemUsageThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.5

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The memory usage of the module is higher than the value of hh3cEntityExtMemUsageThreshold. Only support Module Level1. We send the notification every 5 seconds until the memory usage of the module goes down below the upper limit.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
hh3cEntityExtMemUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.8)	INTEGER	Integer32
hh3cEntityExtMemUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.9)	INTEGER	Integer32
hh3cEntityExtMemSize (1.3.6.1.4.1.25506.2.6.1.1.1.1.10)	INTEGER	Integer32
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	INTEGER	Integer32
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	INTEGER	Integer32

Trigger Action:

An entity's memory usage goes over the upper limit

Recommended Action:

No action is required

16. hh3cEntityExtOperEnabled

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.6

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the entity is operable at present.

Object Name	Object Type	Object Value Scope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

When the entity turns to operable, the notification will be generated.

Recommended Action:

No action is required.

17. hh3cEntityExtOperDisabled

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.7

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the entity is not operable at present.

Object Name	Object Type	Object Value Scope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}

hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}
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Trigger Action:

When the entity turns to not operable, the notification will be generated.

Recommended Action:

No action is required.

18. hh3cEntityExtCriticalTemperatureThresholdNotification

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.8

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The hh3cEntityExtCriticalTemperatureThresholdNotification indicates the temperature exceeds the critical temperature. In this condition, user should check the status and the environment of the entity, sometimes it happens because of the failure of air-condition.

Object Name	Object Type	Object Value Scope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.12)	INTEGER	
hh3cEntityExtCriticalTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.17)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

When the temperature exceeds the critical temperature, the notification will be generated.

Recommended Action:

Dispatch to site take temperature reading to ensure that they are in range If they are not investigate enviornmental alarms fan and filter dertermine the reason and rectify the problem. Please obtain the critical threshold by command "display environment".

19. hh3cEntityExtSFPAlarmOn

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.9

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when the SFP module fails or runs abnormally for some particular reason.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtErrorStatus	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

The SFP module fails or runs abnormally for some particular reason.

Recommended Action:

Ck light levels on the sfp if they are within the right range(ie 1000Base-SX is -9.5dBm and 0dBm), replace the SFP if they are not within the range adjust light levels. By command line "_display transceiver diagnosis interface" to obtain the min. and max. light levels.

20. hh3cEntityExtSFPAlarmOff

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.10

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when the SFP module restores to normal status.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
hh3cEntityExtErrorStatus	INTEGER	Integer32
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

The SFP module restores to normal status.

Recommended Action:

No action is required.

21. hh3cEntityExtSFPhony

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.11

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

This module is NOT sold by H3C. H3C therefore shall NOT guarantee the normal function of the device or assume the maintenance responsibility thereof. The trap is generated periodically after a phony module has been found.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

The SFP module is not sold by H3C.

Recommended Action:

Replace SFP with H3C SFP.

22. hh3cEntityInsert

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.12

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when a removable entity inserting to device.

Object Name	Object Type	ObjectValueScope
entPhysicalDescr (1.3.6.1.2.1.47.1.1.1.2)	SnmpAdminStri ng	

Trigger Action:

When a removable entity inserts to device.

Recommended Action:

No action is required.

23. hh3cEntityRemove

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.13

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when a removable entity removing from device.

Object Name	Object Type	ObjectValueScope
entPhysicalDescr (1.3.6.1.2.1.47.1.1.1.1.2)	SnmpAdminString	

Trigger Action:

When a removable entity removes from device.

Recommended Action:

No action is required.

24. hh3cEntityExtForcedPowerOff

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.14

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the entity is forced to power off.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

User power off the entity, or system occurs some fault.

Recommended Action:

No action is required.

25. hh3cEntityExtForcedPowerOn

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.15

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the entity is forced to power on.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

User forces to power on the entity.

Recommended Action:

No action is required.

26. hh3cEntityExtFaultAlarmOn

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.16

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates a fault occurs on the specified entity.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

A fault occurs on the specified entity.

Recommended Action:

Check the entity and repair it.

27. hh3cEntityExtFaultAlarmOff

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.17

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates a fault disappears on the specified entity.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}

hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}
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Trigger Action:

A fault disappears on the specified entity.

Recommended Action:

No action is required.

28. hh3cEntityExtResourceLack

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.18

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates that a kind of resource is not enough on the specified entity.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

One kind of resource is not enough on the specified entity, the notification will be generated.

Recommended Action:

Check the specified resource on the entity.

29. hh3cEntityExtResourceEnough

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.19

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates that the entity recovers from the status of no enough resource.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

The entity recovers from the status of no enough resource, the notification will be generated.

Recommended Action:

No action is required.

30. hh3cEntityExtTemperatureLower

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.20

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the temperature of a specified entity is under the lower threshold. In this condition, user should check the status and the environment of the entity sometimes it goes wrong for some reason.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.12)	INTEGER	
hh3cEntityExtLowerTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.21)	Integer32	

hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
---	----------------	--

Trigger Action:

A sensor's temperature goes into the range under the hh3cEntityExtLowerTemperatureThreshold.

Recommended Action:

Dispatch to the site to take temperature readings ensure environmental settings are set correctly. Obtain the threshold by command "display environment".

31. hh3cEntityExtTemperatureTooUp

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.21

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the temperature of a specified entity exceeded the shutdown threshold. In this condition, user should check the status and the environment of the entity sometimes it goes wrong for some reason.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.12)	INTEGER	
hh3cEntityExtShutdownTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.22)	Integer32	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}

Trigger Action:

A sensor's temperature goes into the range above the hh3cEntityExtShutdownTemperatureThreshold.

Recommended Action:

Dispatch to site take temperature reading to ensure that they are in range. If they are not, investigate environmental alarms, fan, and filter to determine the reason and rectify the

problem. Obtain the threshold by command "display environment".

32. hh3cEntityExtTemperatureNormal

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.22

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the temperature of a specified entity recover from abnormal status.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)
hh3cEntityExtTemperature (1.3.6.1.4.1.25506.2.6.1.1.1.1.12)	INTEGER	
hh3cEntityExtLowerTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.1.21)	Integer32	
hh3cEntityExtTemperatureThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.1.13)	INTEGER	
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}

Trigger Action:

A sensor's temperature goes into the range between the hh3cEntityExtLowerTemperatureThreshold and hh3cEntityExtTemperatureThreshold.

Recommended Action:

No action is required.

33. hh3cEntityExternalAlarmOccur

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.23

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when the monitored device connected to the specified entity fails.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

The monitored device connected to the specified entity fails.

Recommended Action:

Check the monitored device connected to the specified entity.

34. hh3cEntityExternalAlarmRecover

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.24

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap is generated when the failed device connected to the specified entity retruns to normal.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

The failed device connected to the specified entity returns to normal..

Recommended Action:

No action is required.

35. hh3cEntityExtCpuUsageThresholdRecover

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.25

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the CPU usage descends the threshold.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtCpuUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.6)	INTEGER	0..100
hh3cEntityExtCpuUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.7)	INTEGER	0..100
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

The CPU usage descends the threshold.

Recommended Action:

No action is required.

36. hh3cEntityExtMemUsageThresholdRecover

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.26

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The trap indicates the memory usage descends the threshold.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	
hh3cEntityExtMemUsage (1.3.6.1.4.1.25506.2.6.1.1.1.1.8)	INTEGER	0..100
hh3cEntityExtMemUsageThreshold (1.3.6.1.4.1.25506.2.6.1.1.1.1.9)	INTEGER	0..100
hh3cEntityExtAdminStatus (1.3.6.1.4.1.25506.2.6.1.1.1.1.2)	Hh3cAdminState	INTEGER {notSupported(1), locked(2), shuttingDown(3), unlocked(4)}
hh3cEntityExtAlarmLight (1.3.6.1.4.1.25506.2.6.1.1.1.1.5)	Hh3cAlarmStatus	BITS {notSupported(0), underRepair(1), critical(2), major(3), minor(4), alarmOutstanding(5), warning(6), indeterminate(7)}

Trigger Action:

The memory usage descends the threshold.

Recommended Action:

No action is required.

37.hh3cEntityExtFanDirectionNotPreferred

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.31

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

This trap indicates the specified fan's direction does not accord with preferred. The two parameters indicate the fan or the parent entity of the fans.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	Integer32	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

System fan airflow direction is different of user's expectedness.

Recommended Action:

Rebuild the fan or change the fan airflow direction by command "fan prefer-direction {power-to-port | port-to-power}".

38. hh3cEntityExtFanDirectionNotAccord**OID of this trap is:**

1.3.6.1.4.1.25506.2.6.2.0.32

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

This trap indicates the direction of fans does not accord with each other. The two parameters indicate the parent entity of the fans.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	Integer32	
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

It is not support to set the fan airflow direction.

Recommended Action:

No action is required.

39. hh3cEntityExtSFPIInvalid**OID of this trap is:**

1.3.6.1.4.1.25506.2.6.2.0.33

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

The transceiver module is not compatible with the interface card. The authorized manufacturer therefore shall NOT guarantee the normal function of the transceiver. The transceiver module will be invalidated in days. Please replace it with a compatible one as soon as possible. The trap is generated periodically after a phony transceiver module has been found.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	OCTETS	Octets
hh3cEntityExtSFPIInvalidInDays (1.3.6.1.4.1.25506.2.6.2.1.3)	INTEGER	Integer32 The number will decrease one after one day, and will be end zero. The number will not be negative.

Trigger Action:

The transceiver module is not compatible with the interface card. HP therefore shall NOT guarantee the normal function of the transceiver. The transceiver module will be invalidated in xx days.

Recommended Action:

Please replace it with a compatible one as soon as possible.

40. hh3cEntityExtSFPIInvalidNow

OID of this trap is:

1.3.6.1.4.1.25506.2.6.2.0.34

Module of MIB:

HH3C-ENTITY-EXT-MIB

MIB file:

hh3c-entity-ext.mib

Description:

This transceiver module is not compatible with the interface card. The authorized manufacturer therefore shall NOT guarantee the normal function of the transceiver. The trap is generated after a phony transceiver module has been found.

Object Name	Object Type	ObjectValueScope
hh3cEntityExtPhysicalIndex (1.3.6.1.4.1.25506.2.6.1.1.1.1.1)	INTEGER	Integer32
entPhysicalName (1.3.6.1.2.1.47.1.1.1.1.7)	OCTETS	Octets

Trigger Action:

This transceiver module is not compatible with the interface card.

Recommended Action:

Please replace it with a compatible one as soon as possible.

41. hh3cRadiusAuthServerUpTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.13.3.0.1

Module of MIB:

HH3C-RADIUS-MIB

MIB file:

hh3c-radius.mib

Description:

This trap is generated when the device finds that the state of RADIUS authentication server becomes reachable from unreachable.

Object Name	Object Type	ObjectValueScope
radiusAuthServerAddress (1.3.6.1.2.1.67.1.2.1.1.3.1.2)	IpAddress	
radiusAuthClientServerPortNumber (1.3.6.1.2.1.67.1.2.1.1.3.1.3)	Integer32	0..65535

Trigger Action:

When the device gets the connection with the RADIUS accounting server again.

Recommended Action:

No action is required.

42. hh3cRadiusAccServerUpTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.13.3.0.2

Module of MIB:

HH3C-RADIUS-MIB

MIB file:

hh3c-radius.mib

Description:

This trap is generated when the device finds that the state of RADIUS accounting server becomes reachable from unreachable.

Object Name	Object Type	ObjectValueScope
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Object Name	Object Type	ObjectValueScope
radiusAuthServerAddress (1.3.6.1.2.1.67.1.2.1.1.3.1.2)	IpAddress	
radiusAuthClientServerPortNumber (1.3.6.1.2.1.67.1.2.1.1.3.1.3)	Integer32	0..65535

Trigger Action:

When the device gets the connection with the RADIUS accounting server again.

Recommended Action:

No action is required.

43. hh3cRadiusAuthErrTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.13.3.0.3

Module of MIB:

HH3C-RADIUS-MIB

MIB file:

hh3c-radius.mib

Description:

This trap is generated when the device finds that the percent of unsuccessful authentication exceeds a threshold, and the threshold is the value of node hh3cRadiusAuthErrThredshold.

Object Name	Object Type	ObjectValueScope
radiusAuthServerAddress (1.3.6.1.2.1.67.1.2.1.1.3.1.2)	IpAddress	
radiusAuthClientServerPortNumber (1.3.6.1.2.1.67.1.2.1.1.3.1.3)	Integer32	0..65535

Trigger Action:

The percent of the unsuccessful authentication exceeds the thredshold.

Recommended Action:

Check the configuration on the NAS and the RADIUS server. For example, whether the keys shared between the NAS and the RADIUS server are the same.

44. hh3cRadiusAuthServerDownTrap

OID of this trap is:

1.3.6.1.4.1.25506. 2.13.3.1

Module of MIB:

HH3C-RADIUS-MIB

MIB file:

hh3c-radius.mib

Description:

This trap is generated when the Authentication Radius server doesn't respond client's requests for specified times.

Object Name	Object Type	ObjectValueScope
radiusAuthServerAddress (1.3.6.1.2.1.67.1.2.1.1.3.1.2)	IpAddress	
radiusAuthClientServerPortNumber (1.3.6.1.2.1.67.1.2.1.1.3.1.3)	Integer32	0..65535

Trigger Action:

The Authentication Radius server doesn't respond client's requests for specified times.

Recommended Action:

Check the status of the radius sever and the validity of the user.

45. hh3cRadiusAccServerDownTrap

OID of this trap is:

1.3.6.1.4.1.25506. 2.13.3.2

Module of MIB:

HH3C-RADIUS-MIB

MIB file:

hh3c-radius.mib

Description:

This trap is generated when the Accounting Radius server doesn't respond client's requests for specified times.

Object Name	Object Type	ObjectValueScope
radiusAccServerAddress (1.3.6.1.2.1.67.2.2.1.1.3.1.2)	IpAddress	
radiusAccClientServerPortNumber (1.3.6.1.2.1.67.2.2.1.1.3.1.3)	Integer32	0..65535

Trigger Action:

The Accounting Radius server doesn't respond client's requests for specified times.

Recommended Action:

Check the status of the radius sever and the validity of the user.

46. hh3cPosB1TCAlarm**OID of this trap is:**

1.3.6.1.4.1.25506.2.19.2.0.15

Module of MIB:

HH3C-PPP-OVER-SONET-MIB

MIB file:

hh3c-ppp-over-sonet.mib

Description:

This trap is generated whenever the B1 errors cross the threshold.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

The B1 errors cross the threshold.

Recommended Action:

If trap cleared, please check:

1. Optical fiber link is right. If no, please connect rightly.
2. If have signs of damage about the fiber, please replace.

47. hh3cPosB2TCAlarm**OID of this trap is:**

1.3.6.1.4.1.25506.2.19.2.0.16

Module of MIB:

HH3C-PPP-OVER-SONET-MIB

MIB file:

hh3c-ppp-over-sonet.mib

Description:

This trap is generated whenever the B2 errors cross the threshold.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	

Object Name	Object Type	ObjectValueScope
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

The B2 errors cross the threshold.

Recommended Action:

If trap cleared, please check:

1. Optical fiber link is right. If no, please connect rightly.
2. If have signs of damage about the fiber, please replace.

48. hh3cPosB3TCAlarm

OID of this trap is:

1.3.6.1.4.1.25506.2.19.2.0.17

Module of MIB:

HH3C-PPP-OVER-SONET-MIB

MIB file:

hh3c-ppp-over-sonet.mib

Description:

This trap is generated whenever the B3 errors cross the threshold.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

The B3 errors cross the threshold.

Recommended Action:

If trap cleared, please check:

1. Optical fiber link is right. If no, please connect rightly.
2. If have signs of damage about the fiber, please replace.

49. hh3cSecureAddressLearned

OID of this trap is:

1.3.6.1.4.1.25506. 2.26.1.3.1

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent when a new station has been learned. The port on which the address was received is the first object, and the MAC address of the learned station is in the second object.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	

Trigger Action:

Port-security has learned a new security MAC.

Recommended Action:

No action is required.

50. hh3cSecureViolation

OID of this trap is:

1.3.6.1.4.1.25506. 2.26.1.3.2

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent whenever a security violation has occurred. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. ifAdminStatus indicates if the port has been disabled because of the violation. The implementation may not send violation traps from the same port at intervals of less than 5 seconds.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
ifAdminStatus (1.3.6.1.2.1.2.2.1.7)	INTEGER	up(1) down(2) testing(3)

Trigger Action:

This trap is sent whenever a security violation has occurred.

Recommended Action:

Check for unauthorized or un authenticated access according the interface and MAC information.

51. hh3cSecureLoginFailure

OID of this trap is:

1.3.6.1.4.1.25506.2.26.1.3.3

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent whenever a user network access authentication has failed. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. The dot1xAuthSessionUserName is the identity supplied during the user authentication.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
dot1xAuthSessionUserName (1.0.8802.1.1.1.2.4.1.9)	SnmpAdminString	OCTET STRING (0..255)

Trigger Action:

This trap is sent whenever a user network access authentication has failed.

Recommended Action:

No action is required.

52. hh3cSecureLogon

OID of this trap is:

1.3.6.1.4.1.25506.2.26.1.3.4

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent when a new session is started for an authorised port user. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object.

The dot1xAuthSessionUserName is the identity supplied during the user authentication. The dot1xAuthSessionAuthenticMethod indicates how the user was authorised. The hh3cSecurePortVlanMembershipList object identifies the VLAN membership assigned to the port on session activation.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
dot1xAuthSessionUserName (1.0.8802.1.1.1.1.2.4.1.9)	SnmpAdminString	OCTET STRING (0..255)
dot1xAuthSessionAuthenticMethod (1.0.8802.1.1.1.1.2.4.1.6)	INTEGER	remoteAuthServer(1) localAuthServer(2)
hh3cSecurePortVlanMembershipList (1.3.6.1.4.1.25506.2.26.1.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

An authorized user has passed authentication and logged on.

Recommended Action:

No action is required.

53. hh3cSecureLogoff

OID of this trap is:

1.3.6.1.4.1.25506. 2.26.1.3.5

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent when a user session is terminated.

The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. The dot1xAuthSessionUserName is the identity supplied during the user authentication. The dot1xAuthSessionTerminateCause indicates the reason why the session was terminated.

The hh3cSecurePortVlanMembershipList object identifies the VLAN membership assigned to the port on session termination.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
dot1xAuthSessionUserName (1.0.8802.1.1.1.1.2.4.1.9)	SnmpAdminString	OCTET STRING (0..255)
dot1xAuthSessionTerminateCause (1.0.8802.1.1.1.1.2.4.1.8)	INTEGER	supplicantLogoff(1) portFailure(2) supplicantRestart(3) reauthFailed(4) authControlForceUnauth(5) portReInit(6) portAdminDisabled(7) notTerminatedYet(999)
hh3cSecurePortVlanMembershipList (1.3.6.1.4.1.25506.2.26.1.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

A user session was terminated whether normally or abnormally.

Recommended Action:

No action is required.

54. hh3cSecureRalmLoginFailure

OID of this trap is:

1.3.6.1.4.1.25506. 2.26.1.3.6

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent whenever a user network access authentication has failed. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. The authentication mode indicates how the user was authorised. The hh3cSecureRalmAuthUsername is the identity supplied during the user authentication.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	

Object Name	Object Type	ObjectValueScope
hh3cSecureRalmAuthMode (1.3.6.1.4.1.25506.2.26.1.1.4.4)	INTEGER	papUsernameAsMacAddress(1) papUsernameFixed(2)
hh3cSecureRalmAuthUsername (1.3.6.1.4.1.25506.2.26.1.1.4.5)	DisplayString	OCTET STRING (1..80)

Trigger Action:

A mac address related authentication was failure.

Recommended Action:

No action is required.

55. hh3cSecureRalmLogon

OID of this trap is:

1.3.6.1.4.1.25506.2.26.1.3.7

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent when a new session is started for an authorised port user. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. The authentication mode indicates how the user was authorised. The hh3cSecureRalmAuthUsername is the identity supplied during the user authentication. The hh3cSecurePortVlanMembershipList object identifies the VLAN membership assigned to the port on session activation.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
hh3cSecureRalmAuthMode (1.3.6.1.4.1.25506.2.26.1.1.4.4)	INTEGER	papUsernameAsMacAddress(1) papUsernameFixed(2)
hh3cSecureRalmAuthUsername (1.3.6.1.4.1.25506.2.26.1.1.4.5)	DisplayString	OCTET STRING (1..80)
hh3cSecurePortVlanMembershipList (1.3.6.1.4.1.25506.2.26.1.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

An authorized user has passed the authentication and started a new session.

Recommended Action:

No action is required.

56. hh3cSecureRalmLogoff

OID of this trap is:

1.3.6.1.4.1.25506.2.26.1.3.8

Module of MIB:

HH3C-PORT-SECURITY-MIB

MIB file:

hh3c-port-security.mib

Description:

This trap is sent when a new session is started for an authorised port user. The port on which the violation occurred is the first object, and the MAC address of the offending station is in the second object. The authentication mode indicates how the user was authorised. The hh3cSecureRalmAuthUsername is the identity supplied during the user authentication. The hh3cSecurePortVlanMembershipList object identifies the VLAN membership assigned to the port on session activation.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	1.. 2147483647
hh3cSecureAddrMAC (1.3.6.1.4.1.25506.2.26.1.2.2.1.1)	MacAddress	
hh3cSecureRalmAuthMode (1.3.6.1.4.1.25506.2.26.1.1.4.4)	INTEGER	papUsernameAsMacAddress(1) papUsernameFixed(2)
hh3cSecureRalmAuthUsername (1.3.6.1.4.1.25506.2.26.1.1.4.5)	DisplayString	OCTET STRING (1..80)
hh3cSecurePortVlanMembershipList (1.3.6.1.4.1.25506.2.26.1.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

An previously logged on user has terminated its session and logged off.

Recommended Action:

No action is required.

57. hh3cMacTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.1.4.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the MAC table is filled. The interval between two traps generated should be longer than hh3cMacTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cMacTabLen (1.3.6.1.4.1.25506.2.38.1.1.3.1)	Integer32	

Trigger Action:

MAC table is filled.

Recommended Action:

Check if the system is under the attack.

58. hh3cMacTabAlmostFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.1.4.2

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the MAC table is almost full. The interval between two traps generated should be longer than hh3cMacTabTrapInterval.

Object Name	Object Type	Object Value Scope
NA	NA	NA

Trigger Action:

MAC table is almost full.

Recommended Action:

Check if the system is under the attack.

59. hh3cArpTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.2.4.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the ARP table is filled. The interval between two traps generated should be longer than hh3cArpTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cMacTabLen (1.3.6.1.4.1.25506.2.38.1.1.3.1)	Integer32	

Trigger Action:

ARP table is filled.

Recommended Action:

If the system is not under the attack, max number of ARP configuration should be enlarge to accommodate the ARP.

60. hh3cArpPortDynamicEntryFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.2.4.2

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the ARP table is filled. The interval between two traps generated should be longer than hh3cArpTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cMacTabLen (1.3.6.1.4.1.25506.2.38.1.1.3.1)	Integer32	
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	OCTET STRING (0..255)

Trigger Action:

Send this trap when the dynamic ARP number of the port exceeds the limitation.

Recommended Action:

If the system is not under the attack, max number of ARP configuration should be enlarge to accommodate the ARP.

61. hh3cRtTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.3.5.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the routing table is filled. The interval between two traps generated should be longer than hh3cRtTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cRtTabLen (1.3.6.1.4.1.25506.2.38.1.3.4.1)	Integer32	

Trigger Action:

The routing table is filled.

Recommended Action:

Please reduce the number of routes in the network or use a higher-level equipment.

62. hh3cDetailRtTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.3.5.2

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the detail routing table is filled. The interval between two traps generated should be longer than hh3cRtTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cDetailRtProType (1.3.6.1.4.1.25506.2.38.1.3.1.1.1)	Integer32	INTEGER{ other(1) , local(2), rip(3), isis(4), ospf(5), bgp(6) }
hh3cRtTabLen (1.3.6.1.4.1.25506.2.38.1.3.4.1)	Integer32	

Trigger Action:

The routing detail table is filled.

Recommended Action:

Please delete unwanted static routes when the protocol type is 1. For other protocol types, please reduce the number of the protocol routes in the network or use a higher-level equipment.

63. hh3cDefaultRtDelTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.3.5.3

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the default routing is deleted. The interval between two traps generated should be longer than hh3cRtTabTrapInterval

Object Name	Object Type	Object Value Scope
hh3cDefaultRtNextHopType (1.3.6.1.4.1.25506.2.38.1.3.4.2)	InetAddressType	ipv4(1), ipv6(2)
hh3cDefaultRtNextHop (1.3.6.1.4.1.25506.2.38.1.3.4.3)	InetAddress	
hh3cDefaultRtOutIf (1.3.6.1.4.1.25506.2.38.1.3.4.4)	InterfaceIndex	
hh3cDetailRtProType (1.3.6.1.4.1.25506.2.38.1.3.1.1.1)	INTEGER	other(1) local(2) rip(3) isis(4) ospf(5) bgp(6)

Trigger Action:

This notification will be generated when the default route is deleted.

Recommended Action:

No action is required.

64. hh3cMulticastTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.4.4.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the multicast table is filled. The interval between two traps generated should be longer than hh3cMulticastTabTrapInterval.

Object Name	Object Type	Object Value Scope
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Object Name	Object Type	Object Value Scope
hh3cMulticastTabType (1.3.6.1.4.1.25506.2.38.1.4.3.1)	Integer32	INTEGER{ lay2(1), lay3(2)}
hh3cMulticastTabLen (1.3.6.1.4.1.25506.2.38.1.4.3.2)	Integer32	

Trigger Action:

The multicast table of layer 2 or layer 3 is filled.

Recommended Action:

Please reduce the number of multicast table in the network or use a higher-level equipment.

65. hh3cNdTabFullTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.5.4.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

Send this trap when the ND table is filled. The interval between two traps generated should be longer than hh3cNdTabTrapInterval.

Object Name	Object Type	Object Value Scope
hh3cNdTabLen (1.3.6.1.4.1.25506.2.38.1.5.3.1)	Integer32	

Trigger Action:

ND table is filled.

Recommended Action:

No action is required.

66. hh3cPeriodicalTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.38.1.6.3.0.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

If no trap occurs during the interval spicified by hh3cPeriodicalTrapInterval, an hh3cPeriodicalTrap will be generated. If the interval is set to 0, no hh3cPeriodicalTrap will be generated.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

No trap occurs during the interval specified by hh3cPeriodicalTrapInterval.

Recommended Action:

No action is required

67. hh3clfbandwidthusagehigh

OID of this trap is:

1.3.6.1.4.1.25506.2.40.3.0.1

Module of MIB:

HH3C-IF-EXT-MIB

MIB file:

hh3c-if-ext.mib

Description:

The notification is generated when the rate of the bandwidth for the interface exceeds the upper limit

Object Name	Object Type	ObjectValueScope
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	
hh3clfbandwidthrate (1.3.6.1.4.1.25506.2.40.2.3.2.1.3)	Integer32	0..100
hh3clfbandwidthupperlimit (1.3.6.1.4.1.25506.2.40.3.1.1.1.1)	Integer32	0..100

Trigger Action:

The bandwidth of the interface exceeds the upper limit

Recommended Action:

No action is required.

68. hh3clfDiscardPktRateHigh

OID of this trap is:

1.3.6.1.4.1.25506.2.40.3.0.2

Module of MIB:

HH3C-IF-EXT-MIB

MIB file:

hh3c-if-ext.mib

Description:

The notification is generated when the rate of the discarded packets for the interface exceeds the upper limit

Object Name	Object Type	ObjectValueScope
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	
hh3clfDiscardPktRate (1.3.6.1.4.1.25506.2.40.2.3.2.1.4)	Integer32	0..100
hh3clfDiscardPktRateUpperLimit (1.3.6.1.4.1.25506.2.40.3.1.1.1.2)	Integer32	0..100

Trigger Action:

The discarded packets for the interface exceeds the upper limit

Recommended Action:

Check the link status.

69. hh3cDLDPUnidirectionalPort

OID of this trap is:

1.3.6.1.4.1.25506.2.43.2.1.1

Module of MIB:

HH3C-DLDP-MIB

MIB file:

hh3c-dldp.mib

Description:

It will send a SNMP trap when the state of a port has changed to unidirectional-link .

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	

Trigger Action:

One port has changed to unidirectional-link .

Recommended Action:

Shutdown the port and check the unidirectional-link.

70.hh3cRrppRingRecover**OID of this trap is:**

1.3.6.1.4.1.25506.2.45.3.1

Module of MIB:

HH3C-RRPP-MIB

MIB file:

hh3c-rrpp.mib

Description:

Trap message is generated by master-node on the ring when the ring recovers from fault..

Object Name	Object Type	ObjectValueScope
hh3cRrppDomainID (1.3.6.1.4.1.25506.2.45.2.1.1.1)	Integer32	1..16
hh3cRrppRingID (1.3.6.1.4.1.25506.2.45.2.2.1.1)	Integer32	1..64

Trigger Action:

the ring recovers from fault.

Recommended Action:

No action is required

71.hh3cRrppRingFail**OID of this trap is:**

1.3.6.1.4.1.25506.2.45.3.2

Module of MIB:

HH3C-RRPP-MIB

MIB file:

hh3c-rrpp.mib

Description:

Trap message is generated by master-node on the ring when the ring fails

Object Name	Object Type	ObjectValueScope
hh3cRrppDomainID (1.3.6.1.4.1.25506.2.45.2.1.1.1)	Integer32	1..16
hh3cRrppRingID (1.3.6.1.4.1.25506.2.45.2.2.1.1)	Integer32	1..64

Trigger Action:

The ring fails.

Recommended Action:

Check devices on this RRPP ring. The physical topology is not a ring anymore.

72. hh3cRrppMultiMaster

OID of this trap is:

1.3.6.1.4.1.25506.2.45.3.3

Module of MIB:

HH3C-RRPP-MIB

MIB file:

hh3c-rrpp.mib

Description:

Trap message is generated by master-node when it detects there are more than one master-node on the ring.

Object Name	Object Type	ObjectValueScope
hh3cRrppDomainID (1.3.6.1.4.1.25506.2.45.2.1.1.1)	Integer32	1..16
hh3cRrppRingID (1.3.6.1.4.1.25506.2.45.2.2.1.1)	Integer32	1..64

Trigger Action:

Master-node detects there are more than one master-node on the ring.

Recommended Action:

Check the configuration of each device on this RRPP ring.

73. hh3cRrppMajorFault

OID of this trap is:

1.3.6.1.4.1.25506.2.45.3.4

Module of MIB:

HH3C-RRPP-MIB

MIB file:

hh3c-rrpp.mib

Description:

Trap message is generated by edge-node or assistant-edge-node when it detects major fault.

Object Name	Object Type	ObjectValueScope
hh3cRrppDomainID (1.3.6.1.4.1.25506.2.45.2.1.1.1)	Integer32	1..16
hh3cRrppRingID (1.3.6.1.4.1.25506.2.45.2.2.1.1)	Integer32	1..64

Trigger Action:

edge-node or assistant-edge-node detects major fault.

Recommended Action:

shut down links between edge-node and assistant-edge-node on major-ring.

74. hh3cCBQoSIfPolicyChanged

OID of this trap is:

1.3.6.1.4.1.25506.2.65.2.1.7.0.1

Module of MIB:

HH3C-CBQOS2-MIB

MIB file:

hh3c-cbqos2.mib

Description:

This trap is generated when the policy applied on the interface is refreshed.

Object Name	Object Type	Object Value Scope
hh3cCBQoSIfApplyPolicyIfIndex (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.1)	Integer32	1..2147483647
hh3cCBQoSIfApplyPolicyDirection (1.3.6.1.4.1.25506.2.65.2.1.4.1.1.2)	Integer	1..2

Trigger Action:

The policy applied on the interface is refreshed.

Recommended Action:

Check that whether the policy is refreshed successfully.

75. hh3cCBQoSIfPolicyChanged

OID of this trap is:

1.3.6.1.4.1.25506.2.65.2.1.7.0.2

Module of MIB:

HH3C-CBQOS2-MIB

MIB file:

hh3c-cbqos2.mib

Description:

This trap is generated when the policy applied on the VLAN is refreshed.

Object Name	Object Type	Object Value Scope
hh3cCBQoSvlanApplyPolicyVlanid (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.1)	Integer32	1..4096
hh3cCBQoSvlanApplyPolicyDirection (1.3.6.1.4.1.25506.2.65.2.1.4.3.1.2)	Integer	1..2

Trigger Action:

The policy applied on the VLAN is refreshed.

Recommended Action:

Check that whether the policy is refreshed successfully.

76. hh3cStormRising

OID of this trap is:

1.3.6.1.4.1.25506.2.66.3.1

Module of MIB:

HH3C-STORM-CONSTRAIN-MIB

MIB file:

hh3c-storm-constrain.mib

Description:

This trap message is generated when any type of the flux exceeds its upper limit on a port.

Object Name	Object Type	ObjectValueScope
ifIndex(1.3.6.1.2.1.2.2.1.1)	Integer32	1..2147483647
hh3cStormTrapType (1.3.6.1.4.1.25506.2.66.1.1)	INTEGER	broadcast(1), multicast(2), unicast(3)

hh3cStormTrapThreshold (1.3.6.1.4.1.25506.2.66.1.2)	Integer32	
hh3cStormCtrlPortStatus (1.3.6.1.4.1.25506.2.66.2.1.1.1)	INTEGER	controlled(1), normal(2)

Trigger Action:

When any type of the flux exceeds its upper limit on a port, the notification will be generated.

Recommended Action:

Check the flux of the interface.

77.hh3cStormFalling

OID of this trap is:

1.3.6.1.4.1.25506.2.66.3.2

Module of MIB:

HH3C-STORM-CONSTRAIN-MIB

MIB file:

hh3c-storm-constrain.mib

Description:

This trap message is generated when a flux which used to overflow its upper limit, falls below its lower limit on a port.

Object Name	Object Type	ObjectValueScope
ifIndex(1.3.6.1.2.1.2.2.1.1)	Integer32	1..2147483647
hh3cStormTrapType (1.3.6.1.4.1.25506.2.66.1.1)	INTEGER	broadcast(1), multicast(2), unicast(3)
hh3cStormTrapThreshold (1.3.6.1.4.1.25506.2.66.1.2)	Integer32	
hh3cStormCtrlPortStatus (1.3.6.1.4.1.25506.2.66.2.1.1.1)	INTEGER	controlled(1), normal(2)

Trigger Action:

This trap message is generated when a flux which used to overflow its upper limit, falls below its lower limit on a port.

Recommended Action:

No action is required.

78. hh3clpAddressChangeNotify

OID of this trap is: 1.3.6.1.4.1.25506.2.67.2.2.0.1

Description:

This trap is generated when the device interface IP address change.

Object Name	Object Type	ObjectValueScope
hh3clpAddrNotifyIfIndex (1.3.6.1.4.1.25506.2.67.2.1.1)	Integer	1..2147483647
hh3clpAddrOldIpAddress (1.3.6.1.4.1.25506.2.67.2.1.2)	Octets	
hh3clpAddrNewIpAddress (1.3.6.1.4.1.25506.2.67.2.1.3)	Octets	

Trigger Action:

The device interface IP address change.

Recommended Action:

No action is required

79. hh3cLpbkdtTrapLoopbacked

OID of this trap is:

1.3.6.1.4.1.25506.2.95.1.0.1

Module of MIB:

HH3C-LPBKDT-MIB

MIB file:

hh3c-lpbkdt.mib

Description:

This notification is generated when the interface is looped.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	0..255

Trigger Action:

The trap occurs whenever the interface is looped.

Recommended Action:

Check for loops on the network.

80. hh3cLpbkdtTrapRecovered

OID of this trap is:

1.3.6.1.4.1.25506.2.95.1.0.2

Module of MIB:

HH3C-LPBKDT-MIB

MIB file:

hh3c-lpbkdt.mib

Description:

This notification is generated when the loops of the interface are eliminated.

Object Name	Object Type	ObjectValueScope
ifIndex (1.3.6.1.2.1.2.2.1.1)	Integer32	
ifDescr (1.3.6.1.2.1.2.2.1.2)	DisplayString	0..255

Trigger Action:

The trap occurs whenever the loops on the interface are eliminated.

Recommended Action:

No action is required.

81. hh3cPortMstiStateForwarding

OID of this trap is:

1.3.6.1.4.1.25506.8.35.14.0.1

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when a port turns into forwarding state from other state.

Object Name	Object Type	ObjectValueScope
hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1)	INTEGER	0..64
hh3cdot1sMstiPortIndex (1.3.6.1.4.1.25506.8.35.14.20.1.1)	INTEGER	

Trigger Action:

STP's state machine is recalculated.

Recommended Action:

Please check whether there has link fault in the network after the network topology is stable.

82. hh3cPortMstiStateDiscarding**OID of this trap is:**

1.3.6.1.4.1.25506.8.35.14.0.2

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when a port turns into discarding state from forwarding state.

Object Name	Object Type	ObjectValueScope
hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1)	INTEGER	0..64
hh3cdot1sMstiPortIndex (1.3.6.1.4.1.25506.8.35.14.20.1.1)	INTEGER	

Trigger Action:

STP's state machine is recalculated.

Recommended Action:

Please check whether there has link fault in the network after the network topology is stable.

83. hh3cBridgeLostRootPrimary**OID of this trap is:**

1.3.6.1.4.1.25506.8.35.14.0.3

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when the bridge is no longer the root bridge of the instance. Another switch with higher priority has already been the root bridge of the instance.

Object Name	Object Type	ObjectValueScope
hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1)	INTEGER	0..64

Trigger Action:

The bridge is no longer the root bridge of the instance

Recommended Action:

Check the bridge priority configuration and possible attacks from other devices.

84. hh3cPortMstiRootGuarded

OID of this trap is:

1.3.6.1.4.1.25506.8.35.14.0.4

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when a root-guard port receives a superior message on the relevant instance.

Object Name	Object Type	ObjectValueScope
hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1)	INTEGER	0..64
hh3cdot1sMstiPortIndex (1.3.6.1.4.1.25506.8.35.14.20.1.1)	INTEGER	

Trigger Action:

A root-guard port receives a superior message on the relevant instance

Recommended Action:

Check the bridge priority configuration and possible attacks from other devices.

85. hh3cPortMstiBpduGuarded

OID of this trap is:

1.3.6.1.4.1.25506.8.35.14.0.5

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when an edged port of the BPDU-guard switch receives BPDU packets.

Object Name	Object Type	ObjectValueScope
dot1dStpPort (1.3.6.1.2.1.17.2.15.1.1)	INTEGER	1..65535

Trigger Action:

An edged port of the BPDU-guard switch receives BPDU packets

Recommended Action:

Check whether the downstream devices are terminals and check for possible attacks from other devices.

86. hh3cPortMstiLoopGuarded

OID of this trap is:

1.3.6.1.4.1.25506.8.35.14.0.6

Module of MIB:

HH3C-LswMSTP-MIB

MIB file:

hh3c-splat-mstp.mib

Description:

The SNMP trap that is generated when an Alternate-Port or Root-Port is aged out.

Object Name	Object Type	ObjectValueScope
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Object Name	Object Type	ObjectValueScope
hh3cdot1sInstanceID (1.3.6.1.4.1.25506.8.35.14.19.1.1)	INTEGER	0..64
hh3cdot1sMstiPortIndex (1.3.6.1.4.1.25506.8.35.14.20.1.1)	INTEGER	

Trigger Action:

An Alternate-Port or Root-Port is aged out.

Recommended Action:

Check the STP status of the upstream device and possible attacks from other devices.

87. hh3cAggPortInactiveNotification

OID of this trap is:

1.3.6.1.4.1.25506.8.25.2.2

Module of MIB:

HH3C-LAG-MIB

MIB file:

hh3c-lag.mib

Description:

This event will be triggered whenever any port in aggregator is made inactive

Object Name	Object Type	ObjectValueScope
hh3cAggLinkNumber (1.3.6.1.4.1.25506.8.25.1.1.1.1)	Integer32	1..2048

Trigger Action:

Any port in aggregator is made inactive

Recommended Action:

Check the port's physical state and whether the configuration of the member port is the same as the aggregation interface.

Check the above-mentioned content of the port's partner in dynamic aggregation mode.

88. hh3cAggPortInactiveNotification2

OID of this trap is:

1.3.6.1.4.1.25506.8.25.2.3

Module of MIB:

HH3C-LAG-MIB

MIB file:

hh3c-lag.mib

Description:

This event will be triggered whenever the port in aggregator is made inactive.

Object Name	Object Type	ObjectValueScope
hh3cAggLinkNumber (1.3.6.1.4.1.25506.8.25.1.1.1.1)	INTEGER	1..2048
hh3cAggPortIndex (1.3.6.1.4.1.25506.8.25.1.2.1.1)	Gauge32	

Trigger Action:

When the port in aggregator is made inactive.

Recommended Action:

Check the port's physical state and whether the configuration of the member port is the same as the aggregation interface.

Check the above-mentioned content of the port's partner in dynamic aggregation mode.

89. hh3cAggPortActiveNotification

OID of this trap is:

1.3.6.1.4.1.25506.8.25.2.4

Module of MIB:

HH3C-LAG-MIB

MIB file:

hh3c-lag.mib

Description:

This event will be triggered whenever the port in aggregator is made active.

Object Name	Object Type	ObjectValueScope
hh3cAggLinkNumber (1.3.6.1.4.1.25506.8.25.1.1.1.1)	INTEGER	1..2048
hh3cAggPortIndex (1.3.6.1.4.1.25506.8.25.1.2.1.1)	Gauge32	

Trigger Action:

When the port in aggregator is made active.

Recommended Action:

No action is required.

90.hh3clpAddrChangeNotify

OID of this trap is:

1.3.6.1.4.1.25506.2.90.3.2.0.1

Module of MIB:

HH3C-NET-MAN-MIB

MIB file:

hh3c-net-man.mib

Description:

This notification will be is generated when the IP address of active management interface is changed. The change maybe originated from NMS, DHCP server or management administrator.

The management interfaces means interfaces that assigned by administrator, maybe used to manage device, but maybe not active for lose linking or has no IP address (IPv4 or IPv6).

The active management interface means an active interface that has IP address can be used for network management.

The purpose of this notification is announcing useful management IP address changed. So it is triggered by significative IP address change.

Suppose that two management interfaces on a device, initial that all these two interfaces are down have no IP address, Interface-A and Interface-B. Configure Interface-A as the first monitored interface, and Interface-B as the second. Significative IP address change in following cases:

1. If Interface-A is assigned an IP address primarily, and it is linking up. Then Interface-B will be ignored. A notification will be triggered, appending IP address of Interface-A .
2. If Interface-B is assigned an IP address primarily, and it is linking up. Then Interface-A will be ignored. A notification will be triggered, appending IP address of Interface-B.
3. If IP address of that interface, which had its IP address announced to NMS, is changed since last notification triggered, then another notification will be sent to NMS.
5. If Interface-A was assigned an IP address primarily, and it was linked up. But for some unknown, it is down or loses IP address, and Interface-B is assigned an IP address which is different with that announced to NMS before, then a notification will be triggered, using the new IP address that Interface-B assigned.
6. A notification using new IP address that Interface-A assigned will be triggered, if 5 is occurred on Interface-B.

Object Name	Object Type	ObjectValueScope
hh3cNMlpAddressType (1.3.6.1.4.1.25506.2.90.3.1.1)	InetAddressType	unknown(0), ipv4(1), ipv6(2), ipv4z(3), ipv6z(4), dns(16)

hh3cNMIpAddress (1.3.6.1.4.1.25506.2.90.3.1.2)	InetAddress	0..255
hh3cNMCustomBuildInfo (1.3.6.1.4.1.25506.2.90.3.1.3)	OCTET STRING	0..64
hh3cNMSerialNum (1.3.6.1.4.1.25506.2.90.3.1.4)	OCTET STRING	0..64

Trigger Action:

This notification will be is generated when the IP address of active management interface is changed.

Recommended Action:

NMS should use the new IP address to manage device.

91. hh3cStackPortLinkStatusChange

OID of this trap is:

1.3.6.1.4.1.25506.2.91.6.0.1

Module of MIB:

HH3C-STACK-MIB

MIB file:

hh3c-stack.mib

Description:

The notification indicates that the link status of the stack port has changed.

Object Name	Object Type	ObjectValueScope
hh3cStackMemberID (1.3.6.1.4.1.25506.2.91.2.1.1)	Integer32	
hh3cStackPortIndex (1.3.6.1.4.1.25506.2.91.4.1.1)	Integer32	
hh3cStackPortStatus (1.3.6.1.4.1.25506.2.91.4.1.3)	INTEGER	up(1), down(2), silent(3), disabled(4)

Trigger Action:

Link status of the stack port has changed.

Recommended Action:

No action is required.

92. hh3cStackTopologyChange

OID of this trap is:

1.3.6.1.4.1.25506.2.91.6.0.2

Module of MIB:

HH3C-STACK-MIB

MIB file:

hh3c-stack.mib

Description:

The notification indicates that the topology type of the stack has changed.

Object Name	Object Type	ObjectValueScope
hh3cStackTopology (1.3.6.1.4.1.25506.2.91.1.7)	INTEGER	chainConn(1), ringConn(2)

Trigger Action:

Topology type of the stack has changed.

Recommended Action:

No action is required.

93. hh3cUIMPinInvalid

OID of this trap is:

1.3.6.1.4.1.25506.2.98.3.0.3

Module of MIB:

HH3C-3GMODEM-MIB

MIB file:

hh3c-3gmodem.mib

Description:

A hh3cUIMPinInvalid notification is generated when UIM PIN is invalid.

Object Name	Object Type	ObjectValueScope
hh3cDeviceOUI (1.3.6.1.4.1.25506.2.98.2.2)	SnmpAdminString	SIZE (0..32)
hh3cDevSerialNumber (1.3.6.1.4.1.25506.2.98.2.1)	SnmpAdminString	SIZE (0..32)
hh3cWirelessCardSerialNumber (1.3.6.1.4.1.25506.2.98.1.1.1.1.5)	SnmpAdminString	SIZE (0..32)

hh3cUIMlmsi (1.3.6.1.4.1.25506.2.98.1.2.1.1.3)	SnmpAdminString	SIZE (0..32)
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Trigger Action:

The UIM PIN is invalid.

Recommended Action:

No action is required.

94. hh3cUIMPinChanged

OID of this trap is:

1.3.6.1.4.1.25506.2.98.3.0.4

Module of MIB:

HH3C-3GMODEM-MIB

MIB file:

hh3c-3gmodem.mib

Description:

A hh3cUIMPinInvalid notification is generated when UIM PIN is changed.

Object Name	Object Type	ObjectValueScope
hh3cDeviceOUI (1.3.6.1.4.1.25506.2.98.2.2)	SnmpAdminString	SIZE (0..32)
hh3cDevSerialNumber (1.3.6.1.4.1.25506.2.98.2.1)	SnmpAdminString	SIZE (0..32)
hh3cWirelessCardSerialNumber (1.3.6.1.4.1.25506.2.98.1.1.1.1.5)	SnmpAdminString	SIZE (0..32)
hh3cUIMlmsi (1.3.6.1.4.1.25506.2.98.1.2.1.1.3)	SnmpAdminString	SIZE (0..32)
hh3cUIMOldPin (1.3.6.1.4.1.25506.2.98.1.2.1.1.9)	SnmpAdminString	SIZE (0..32)
hh3cUIMPin (1.3.6.1.4.1.25506.2.98.1.2.1.1.4)	SnmpAdminString	SIZE (0..32)

Trigger Action:

The PIN code has been modified successfully.

Recommended Action:

No action is required.

95. hh3cAccessMediaChanged

OID of this trap is:

1.3.6.1.4.1.25506.2.98.3.0.5

Module of MIB:

HH3C-3GMODEM-MIB

MIB file:

hh3c-3gmodem.mib

Description:

A hh3cAccessMediaChanged notification is generated when the access media is changed..

Object Name	Object Type	ObjectValueScope
hh3cDeviceOUI (1.3.6.1.4.1.25506.2.98.2.2)	SnmpAdminString	SIZE (0..32)
hh3cDevSerialNumber (1.3.6.1.4.1.25506.2.98.2.1)	SnmpAdminString	SIZE (0..32)
hh3cWirelessCardSerialNumber (1.3.6.1.4.1.25506.2.98.1.1.1.5)	SnmpAdminString	SIZE (0..32)
hh3cUIMImsi (1.3.6.1.4.1.25506.2.98.1.2.1.1.3)	SnmpAdminString	SIZE (0..32)
hh3cAccessMedia (1.3.6.1.4.1.25506.2.98.2.3)	INTEGER	unknown(1), air(2), cable(3)

Trigger Action:

The access media has been changed.

Recommended Action:

No action is required.

96. hh3cRebootSendTrap

OID of this trap is:

1.3.6.1.4.1.25506.6.8.3

Module of MIB:

HH3C-COMMON-SYSTEM-MIB

MIB file:

hh3c-common-system.mib

Description:

When users restart the device with command 'reboot', this trap will be sent two seconds before the device reboots.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

Users restart the device with command 'reboot'

Recommended Action:

No action is required.

97. hh3cSysColdStartTrap

OID of this trap is:

1.3.6.1.4.1.25506.6.8.4

Module of MIB:

HH3C-COMMON-SYSTEM-MIB

MIB file:

hh3c-common-system.mib

Description:

System cold start trap.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

System cold start

Recommended Action:

No action is required.

98. hh3cSysWarmStartTrap

OID of this trap is:

1.3.6.1.4.1.25506.6.8.5

Module of MIB:

HH3C-COMMON-SYSTEM-MIB

MIB file:

hh3c-common-system.mib

Description:

System warm start trap.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

System warm start

Recommended Action:

No action is required.

99. hh3cRebootSendTrap

OID of this trap is:

1.3.6.1.4.1.25506.6.8.3

Module of MIB:

HH3C-COMMON-SYSTEM-MIB

MIB file:

hh3c-common-system.mib

Description:

When users restart the device with command 'reboot', this trap will be sent two seconds before the device reboots.

Object Name	Object Type	ObjectValueScope
N/A	N/A	N/A

Trigger Action:

Users restart the device with command 'reboot'

Recommended Action:

No action is required.

100. hh3cpririsingAlarm

OID of this trap is:

1.3.6.1.4.1.25506.8.4.0.1

Module of MIB:

HH3C-RMON-EXT-MIB

MIB file:

hh3c-rmon-ext.mib

Description:

The SNMP trap that is generated when an alarm entry crosses its rising threshold and generates an event that is configured for sending SNMP traps.

Object Name	Object Type	ObjectValueScope
hh3cprialarmIndex (1.3.6.1.4.1.25506.8.4.4.1.1.1)	INTEGER	1..65535
hh3cprialarmVariable (1.3.6.1.4.1.25506.8.4.4.1.1.3)	DisplayString	
hh3cprialarmSampleType (1.3.6.1.4.1.25506.8.4.4.1.1.5)	INTEGER	absoluteValue(1), deltaValue(2),speedValue(3)
hh3cprialarmValue (1.3.6.1.4.1.25506.8.4.4.1.1.6)	INTEGER	
hh3cprialarmRisingThreshold (1.3.6.1.4.1.25506.8.4.4.1.1.8)	Integer32	

Trigger Action:

When the monitored sample value exceeds or is equal to the rising threshold, this trap will be generated.

Recommended Action:

A sample value rising to the threshold, something needed to do.

101. hh3cprifallingAlarm

OID of this trap is:

1.3.6.1.4.1.25506.8.4.0.2

Module of MIB:

HH3C-RMON-EXT-MIB

MIB file:

hh3c-rmon-ext.mib

Description:

The SNMP trap that is generated when an alarm entry crosses its falling threshold and generates an event that is configured for sending SNMP traps.

Object Name	Object Type	ObjectValueScope
hh3cprialarmIndex (1.3.6.1.4.1.25506.8.4.4.1.1.1)	INTEGER	1..65535
hh3cprialarmVariable (1.3.6.1.4.1.25506.8.4.4.1.1.3)	DisplayString	

hh3cprialarmSampleType (1.3.6.1.4.1.25506.8.4.4.1.1.5)	INTEGER	absoluteValue(1), deltaValue(2),speedValue(3)
hh3cprialarmValue (1.3.6.1.4.1.25506.8.4.4.1.1.6)	INTEGER	
hh3cprialarmFallingThreshold (1.3.6.1.4.1.25506.8.4.4.1.1.9)	Integer32	

Trigger Action:

When the monitored sample value is below or equal to the falling threshold, this trap will be generated.

Recommended Action:

A sample value falling to the threshold, something needed to do.

102. hh3cpowerfailure

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.1

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

If the power supply of the device failed. As a power supply is just being inserted into the device or a power supply unit on the device is failed, this trap will be generated.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

There is something wrong with the power

Recommended Action:

Check and fix the power module.

103. hh3cPowerNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.2

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

If the status of power supply changes to normal, this trap will be generated.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

Insert a power to its slot

Recommended Action:

No action is required.

104. hh3cMasterPowerNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.3

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Send this trap when master power supply changes to normal.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

Insert the master power into its slot.

Recommended Action:

No action is required.

105. hh3cSlavePowerNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.4

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Send this trap when slave power supply changes to normal.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

Insert the slave power into its slot.

Recommended Action:

No action is required

106. hh3cPowerRemoved

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.5

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The power supply has been moved. It means that somebody pulls out the power supply. If this occurs, the trap will be sent.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

Remove a power from its slot

Recommended Action:

Check the power module and insert it back to its slot.

107. hh3cfanfailure

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.6

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The fan of device is failure. It means that if the fan on device fails to work well, the trap will be sent.

Object Name	Object Type	ObjectValueScope
hh3cDevMFanNum (1.3.6.1.4.1.25506.8.35.9.1.1.1.1)	INTEGER	

Trigger Action:

Remove a fan from its slot

Recommended Action:

Insert a fan which works well into its slot.

108. hh3cFanNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.7

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

If the status of fan changes to normal from abnormal, this trap will be generated.

Object Name	Object Type	ObjectValueScope
hh3cDevMFanNum (1.3.6.1.4.1.25506.8.35.9.1.1.1.1)	INTEGER	

Trigger Action:

Insert a fan into its slot

Recommended Action:

No action is required.

109. hh3cBoardRemoved

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.8

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The board has been removed from the device, the trap will be generated.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

Remove a slave of IO board from its slot

Recommended Action:

Check the board and insert it back to its slot.

110. hh3cBoardInserted

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.9

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The board has been inserted into device.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	

hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	
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Trigger Action:

Insert a slave of IO board to a slot

Recommended Action:

No action is required.

111. hh3cBoardFailure**OID of this trap is:**

1.3.6.1.4.1.25506.8.35.12.1.10

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The board is failed to work.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

There is something wrong with a slave or IO board.

Recommended Action:

board if alarm clears monitor for 24 hours if it remains in alarm RMA Board.

112. hh3cBoardNormal**OID of this trap is:**

1.3.6.1.4.1.25506.8.35.12.1.11

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The status of board changes to normal.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	Integer32
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	Integer32

Trigger Action:

Insert a slave or IO board and wait a while

Recommended Action:

No action is required.

113. hh3cSubcardRemove

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.12

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Send this trap when a subcard is removed from a subslot.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	
hh3cLswSubslotIndex (1.3.6.1.4.1.25506.8.35.18.4.4.1.1)	INTEGER	

Trigger Action:

Remove a subcard from a subslot.

Recommended Action:

Check the subcard module and insert it back to its slot.

114. hh3cSubcardInsert

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.13

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Send this trap when a subcard is inserted into a subslot.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	Integer32	between the minimal Index and the maximal index of frame.
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	Integer32	between the minimal Index and the maximal index of slot.
hh3cLswSubslotIndex (1.3.6.1.4.1.25506.8.35.18.4.4.1.1)	Integer32	between the minimal Index and the maximal index of subslot.

Trigger Action:

Insert a subcard into a subslot.

Recommended Action:

No action is required.

115. hh3cBoardTemperatureLower

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.14

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The temperature of the board is lower than the normal value.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	

hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	
---	---------	--

Trigger Action:

A board's temperature goes under the low limit

Recommended Action:

Dispatch to the site to take temperature readings ensure environmental are set correctly.

116. hh3cBoardTemperatureFromLowerToNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.15

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The temperature of the board rises to normal range.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

A board's temperature goes into the range between the up and low limit from low status.

Recommended Action:

No action is required.

117. hh3cBoardTemperatureHigher

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.16

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The temperature of the board is higher than normal value.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

A board's temperature goes over the up limit

Recommended Action:

Dispatch to site take temperature reading to ensure that they are in range If they are not investigate environmental alarms fan and filter determine the reason and rectify the problem.

118. hh3cBoardTemperatureFormHigherToNormal

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.17

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The temperature of the board turns to a normal value.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

A board's temperature goes into the range between the up and low limit from high status.

Recommended Action:

No action is required.

119. hh3cRequestLoading

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.18

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The board is being loaded.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

Insert an IO board into its slot

Recommended Action:

No action is required.

120. hh3cLoadFailure

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.19

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

It is failed to load a board on device.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

Insert an IO board to its slot and there is not proper app for it in master board

Recommended Action:

Check whether the app file is proper in master board.

121. hh3cLoadFinished

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.20

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

The device has finished loading a board.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

Insert an IO board to its slot and wait for a while.

Recommended Action:

No action is required.

122. hh3cBackBoardModeSetFailure

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.21

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Back board mode set failure

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	

Trigger Action:

Back board mode set failure.

Recommended Action:

Check whether the back board is proper in master board.

123. hh3cBackBoardModeSetOK

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.22

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

Back board mode set OK

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	

Trigger Action:

Back board mode set OK.

Recommended Action:

No action is required.

124. hh3cPowerInserted

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.23

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

A power supply unit has been inserted to the device.

Object Name	Object Type	ObjectValueScope
hh3cDevMPowerNum (1.3.6.1.4.1.25506.8.35.9.1.2.1.1)	INTEGER	

Trigger Action:

Insert a power into its slot

Recommended Action:

No action is required.

125. hh3cBootImageUpdated

OID of this trap is:

1.3.6.1.4.1.25506.8.35.12.1.24

Module of MIB:

HH3C-LswTRAP-MIB

MIB file:

hh3c-splat-trap.mib

Description:

This trap node indicates that the boot image of specified board is updated.

Object Name	Object Type	ObjectValueScope
hh3cLswFrameIndex (1.3.6.1.4.1.25506.8.35.18.4.2.1.1)	INTEGER	
hh3cLswSlotIndex (1.3.6.1.4.1.25506.8.35.18.4.3.1.1)	INTEGER	

Trigger Action:

The boot image of specified board is updated, the notification will be generated.

Recommended Action:

No action is required.

126. hh3cSlaveSwitchOver

OID of this trap is:

1.3.6.1.4.1.25506.8.35.17.10.1

Module of MIB:

HH3C-LswMix-MIB

MIB file:

hh3c-splat-mix.mib

Description:

An hh3cSlaveSwitchOver trap signifies that the action of standby mpu switching to master has completed.

Object Name	Object Type	ObjectValueScope
NA	NA	NA

Trigger Action:

Standby MPU has been completed switching to master.

Recommended Action:

No action is required.

127. hh3cDDosAttackStart

OID of this trap is:

1.3.6.1.4.1.25506.2.85.2.0.1

Module of MIB:

HH3C-AFC-MIB

MIB file:

hh3c-afc.mib

Description:

This trap is sent when a DDos attack on specific IP is detected.

Object Name	Object Type	Object Value Scope
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Object Name	Object Type	Object Value Scope
hh3cDDosAttackTargetIP (1.3.6.1.4.1.25506.2.85.1.1)	IpAddress	
hh3cDDosAttackType (1.3.6.1.4.1.25506.2.85.1.2)	INTEGER	land(1) smurf(2) fraggle(3) winnuke(4) synflood(5) icmpflood(6) udpflood(7) icmpredirect(8) icmpunreachable(9) tracert(11) tcpflag(12) pingofdeath(13) teardrop(14) ipfragment(15) largeicmp(18) sourceroute(19) routerrecord(20) fragflood(24) scan(27) appstreamalarm(29) sessionstreamalarm(30) tcpabnormal(32) ipfragabnormal(33) tftpabnormal(34) dnsabnormal(35) httpabnormal(36) telnetabnormal(37) ftpabnormal(38) smtpabnormal(39) pop3abnormal(40) snmpabnormal(41) ackabnormal(42) cc(43) otherabnormal(1024)
hh3cDDosAttackPolicy (1.3.6.1.4.1.25506.2.85.1.3)	OCTET STRING	0~80
hh3cDDosAttackThreshold (1.3.6.1.4.1.25506.2.85.1.4)	Integer32	
hh3cDDosAttackSpeed	Integer32	

Object Name	Object Type	Object Value Scope
(1.3.6.1.4.1.25506.2.85.1.5)		

Trigger Action:

A DDos attack on specific IP is detected.

Recommended Action:

Divert the target traffic to GUARD to be cleaned.

128. hh3cDDosAttackEnd

OID of this trap is:

1.3.6.1.4.1.25506.2.85.2.0.2

Module of MIB:

HH3C-AFC-MIB

MIB file:

hh3c-afc.mib

Description:

This trap is sent when a DDos attack end.

Object Name	Object Type	ObjectValueScope
hh3cDDosAttackTargetIP (1.3.6.1.4.1.25506.2.85.1.1)	IpAddress	

Trigger Action:

A DDos attack on specific IP has disappeared.

Recommended Action:

Stop diverting.

129. hh3cPosaServerStatusChange

OID of this trap is:

1.3.6.1.4.1.25506.2.92.3.0.1

Module of MIB:

HH3C-POSA-MIB

MIB file:

hh3c-posa.mib

Description:

This trap is generated when the POS function is started or stopped.

Object Name	Object Type	ObjectValueScope

Object Name	Object Type	ObjectValueScope
hh3cPosaServerEnable (1.3.6.1.4.1.25506.2.92.1.1)	INTEGER	disabled(1), enabled(2)

Trigger Action:

POSA Function is started or stopped.

Recommended Action:

No action is required.

130. hh3cPosaAppStateChange

OID of this trap is:

1.3.6.1.4.1.25506.2.92.3.0.2

Module of MIB:

HH3C-POSA-MIB

MIB file:

hh3c-posa.mib

Description:

This trap is generated whenever the availability of application server changes.

Object Name	Object Type	ObjectValueScope
hh3cPosaAppStateChangeObject (1.3.6.1.4.1.25506.2.92.3.1.1)	INTEGER	available(1), unavailable(2)

Trigger Action:

POSA application server becomes available or unavailable.

Recommended Action:

If the application server becomes unavailable, should check the link between the router and server.

131. hh3cPortalServerLost

OID of this trap is:

1.3.6.1.4.1.25506.2.99.3.0.1

Module of MIB:

HH3C-PORTAL-MIB

MIB file:

hh3c-portal.mib

Description:

Object Name	Object Type	ObjectValueScope
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Object Name	Object Type	ObjectValueScope
hh3cPortalServerName (1.3.6.1.4.1.25506.2.99.2.1.1.1)	OCTET STRING	1..32

Trigger Action:

When portal server has been enabled and lost the connection to the device and the portal-server-down trap switch is on.

Recommended Action:

Repair the connection between the device and the portal server, and keep the HTTP service on portal server work well.

132. hh3cPortalServerGet

OID of this trap is:

1.3.6.1.4.1.25506.2.99.3.0.2

Module of MIB:

HH3C-PORTAL-MIB

MIB file:

hh3c-portal.mib

Description:

This trap is generated when the device finds that the state of portal server changes from unreachable state to reachable, the portal server's name is hh3cPortalServerName, and the portal server has been enabled.

Object Name	Object Type	ObjectValueScope
hh3cPortalServerName (1.3.6.1.4.1.25506.2.99.2.1.1.1)	OCTET STRING	1..32

Trigger Action:

The state of the portal server changed from unreachable to reachable.

Recommended Action:

No action is required.

133. hh3csupplicantproxycheck

OID of this trap is:

1.3.6.1.4.1.25506. 8.6.1.0.1

Module of MIB:

HH3C-8021PAE-MIB

MIB file:

hh3c-8021x-ext.mib

Description:

This trap is sent when NAS found that a client is trying to authenticate by using proxy.

Object Name	Object Type	ObjectValueScope
hh3cproxycheckVlanId (1.3.6.1.4.1.25506.8.6.1.0.2)	INTEGER	1..4094
hh3cproxycheckPortName (1.3.6.1.4.1.25506.8.6.1.0.3)	OCTET STRING	
hh3cproxycheckMacAddr (1.3.6.1.4.1.25506.8.6.1.0.4)	MacAddress	
hh3cproxycheckIpaddr (1.3.6.1.4.1.25506.8.6.1.0.5)	IpAddress	
hh3cproxycheckUsrName (1.3.6.1.4.1.25506.8.6.1.0.6)	OCTET STRING	

Trigger Action:

A client pc has 2 network card installed, then excute 802.1X authentication with H3C client software. And the H3C NAS must configure supplicant proxy-check trap.

Recommended Action:

Execute 802.1x authentications.

134. hh3cposAppNotReadyTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.1

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap when the application whose state is linked isn't ready to send or receive data. Only used for the application whose connect mode is tcp.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

The state of the application which is linked isn't ready to send or receive data.

Recommended Action:

Check the state of the application.

135. hh3cposAppConnectFailTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.2

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if router can not connect to the application.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

Router can not connect to the application.

Recommended Action:

Check the connection between the router and the application.

136. hh3cposAppStateChangeTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.3

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap when the state of the application is changed to down or kept.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

The state of the application is changed.

Recommended Action:

Check the state of the application.

137. hh3cposAppNotConfigedTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.4

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the application isn't configured.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

The application is not configured.

Recommended Action:

Check the configuration about the application.

138. hh3cposAppBuffOverFlowTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.5

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the application buffer is overflowed.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

The application buffer is overflowed.

Recommended Action:

No action is required.

139. hh3cposAppDebugOpenTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.6

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the debugging switch of application is open.

Object Name	Object Type	Object Value Scope
hh3cposAppId	INTEGER	0..31

Trigger Action:

The debugging switch of application is opened.

Recommended Action:

No action is required.

140. hh3cposAppDebugAllOpenTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.7

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if all the debugging switches of application are open.

Object Name	Object Type	Object Value Scope

Trigger Action:

all the debugging switches of application are open.

Recommended Action:

No action is required.

141. hh3cposInterBuffOverflowTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.8

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the distributing buffer is overflowed.

Object Name	Object Type	Object Value Scope

Trigger Action:

The distributing buffer is overflowed

Recommended Action:

No action is required.

142. hh3cposInterStateChangeTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.9

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the state of POS-Interface is changed to down.

Object Name	Object Type	Object Value Scope
hh3cposPosId	INTEGER	0..255
hh3cposPosConnectState	INTEGER	noset(1), down(2), up(3), ok(4)

Trigger Action:

The state of POS-Interface is changed to down.

Recommended Action:

No action is required.

143. hh3cposInterDebugOpenTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.10

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the debugging switch of POS-Interface is open.

Object Name	Object Type	Object Value Scope
hh3cposPosId	INTEGER	0..255

Trigger Action:

The debugging switch of POS-interface is opened.

Recommended Action:

No action is required.

144. hh3cposInterDebugAllOpenTrap**OID of this trap is:**

1.3.6.1.4.1.25506.8.36.8.17.11

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if all the debugging switches of POS-Interface are open.

Object Name	Object Type	Object Value Scope

Trigger Action:

All the debugging switches of POS-Interface are opened.

Recommended Action:

No action is required.

145. hh3cposFCMTimeoutTrap**OID of this trap is:**

1.3.6.1.4.1.25506.8.36.8.17.12

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the modem is hung up for timeout.

Object Name	Object Type	Object Value Scope
hh3cposFCMIIndex	INTEGER	0..2147483647

Trigger Action:

The modem is hung up for timeout.

Recommended Action:

The modem to the access interface on the POS access board (FCM) is disconnected.
Dispatch to site to T/S connection.

146. hh3cposFCMConnectFailTrap

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.13

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap if the handshaking of modems is not successful.

Object Name	Object Type	Object Value Scope
hh3cposFCMIIndex	INTEGER	0..2147483647

Trigger Action:

The handshaking of modems is not successful.

Recommended Action:

No action is required.

147. hh3cposClearPacketCounter

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.14

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap when the packet counter of the POS application and interface is cleared.

Object Name	Object Type	Object Value Scope

Trigger Action:

Clear the statistics of the packets.

Recommended Action:

No action is required.

148. hh3cposClearFcmCounter

OID of this trap is:

1.3.6.1.4.1.25506.8.36.8.17.15

Module of MIB:

HH3C-POS-MIB

MIB file:

hh3c-pos.mib

Description:

The agent will send a trap when the FCM counter is cleared.

Object Name	Object Type	Object Value Scope

Trigger Action:

Clear the statistics of the FCM.

Recommended Action:

No action is required.

149. hh3cSSHUserAuthFailure

OID of this trap is:

1.3.6.1.4.1.25506.2.22.1.3.0.1

Module of MIB:

HH3C-SSH-MIB

MIB file:

hh3c-ssh.mib

Description:

The trap is generated when a user fails to authentication.

Object Name	Object Type	Object Value Scope
hh3cSSHAttemptUserName (1.3.6.1.4.1.25506.2.22.1.2.1)	DisplayString	OCTET STRING (0..255)
hh3cSSHAttemptIpAddrType (1.3.6.1.4.1.25506.2.22.1.2.2)	INTEGER	unknown(0), ipv4(1), ipv6(2), ipv4z(3), ipv6z(4), dns(16)
hh3cSSHAttemptIpAddr (1.3.6.1.4.1.25506.2.22.1.2.3)	OCTET STRING	0..255
hh3cSSHUserAuthFailureReason (1.3.6.1.4.1.25506.2.22.1.2.4)	INTEGER	exceedRetries(1), authTimeout(2), otherReason(3)

Trigger Action:

User fails to authentication.

Recommended Action:

Check if the unauthorized user is trying to log in system.

150. hh3cSSHVersionNegotiationFailure

OID of this trap is:

1.3.6.1.4.1.25506.2.22.1.3.0.2

Module of MIB:

HH3C-SSH-MIB

MIB file:

hh3c-ssh.mib

Description:

The trap is generated when a user fails to negotiate SSH protocol version.

Object Name	Object Type	Object Value Scope
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Object Name	Object Type	Object Value Scope
hh3cSSHAttemptIpAddrType (1.3.6.1.4.1.25506.2.22.1.2.2)	INTEGER	unknown(0), ipv4(1), ipv6(2), ipv4z(3), ipv6z(4), dns(16)
hh3cSSHAttemptIpAddr (1.3.6.1.4.1.25506.2.22.1.2.3)	OCTET STRING	0..255

Trigger Action:

User fails to negotiate SSH protocol version.

Recommended Action:

Check if the SSH version configuration of client is consistent with that of server.

151. hh3cSSHUserLogin

OID of this trap is:

1.3.6.1.4.1.25506.2.22.1.3.0.3

Module of MIB:

HH3C-SSH-MIB

MIB file:

hh3c-ssh.mib

Description:

The trap is generated when a user logs in successfully.

Object Name	Object Type	Object Value Scope
hh3cSSHSessionUserName (1.3.6.1.4.1.25506.2.22.1.1.3.1.2)	DisplayString	OCTET STRING (0..255)
hh3cSSHSessionUserIpAddrType (1.3.6.1.4.1.25506.2.22.1.1.3.1.3)	INTEGER	unknown(0), ipv4(1), ipv6(2), ipv4z(3), ipv6z(4), dns(16)
hh3cSSHSessionUserIpAddr (1.3.6.1.4.1.25506.2.22.1.1.3.1.4)	OCTET STRING	0..255

Trigger Action:

User logs in successfully.

Recommended Action:

No action is required.

152. hh3cSSHUserLogoff**OID of this trap is:**

1.3.6.1.4.1.25506.2.22.1.3.0.4

Module of MIB:

HH3C-SSH-MIB

MIB file:

hh3c-ssh.mib

Description:

The trap is generated when a user logs off.

Object Name	Object Type	Object Value Scope
hh3cSSHSessionUserName (1.3.6.1.4.1.25506.2.22.1.1.3.1.2)	DisplayString	OCTET STRING (0..255)
hh3cSSHSessionUserIpAddrType (1.3.6.1.4.1.25506.2.22.1.1.3.1.3)	INTEGER	unknown(0), ipv4(1), ipv6(2), ipv4z(3), ipv6z(4), dns(16)
hh3cSSHSessionUserIpAddr (1.3.6.1.4.1.25506.2.22.1.1.3.1.4)	OCTET STRING	0..255

Trigger Action:

User logs off.

Recommended Action:

Check if the user should be authorized.

153. hh3cIpAddressChangeNotify**OID of this trap is:**

1.3.6.1.4.1.25506.2.67.2.2.0.1

Module of MIB:

HH3C-TRAP-MIB

MIB file:

hh3c-trap.mib

Description:

This trap is generated when the device interface IP address is changed.

Object Name	Object Type	Object Value Scope
hh3clpAddrNotifyIfIndex (1.3.6.1.4.1.25506.2.67.2.1.1)	Integer32	
hh3clpAddrOldIpAddress (1.3.6.1.4.1.25506.2.67.2.1.2)	OCTET STRING	0..255
hh3clpAddrNewIpAddress (1.3.6.1.4.1.25506.2.67.2.1.3)	OCTET STRING	0..255

Trigger Action:

The device interface IP address is changed.

Recommended Action:

No action is required.

154. hh3cMACInformationChangedTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.87.1.3.0.1

Module of MIB:

HH3C-MAC-INFORMATION-MIB

MIB file:

hh3c-mac-information.mib

Description:

The notification represents that the changed MAC information in device.

Object Name	Object Type	Object Value Scope
hh3cMACInfoTrapIndex (1.3.6.1.4.1.25506.2.87.1.3.2.1)	Unsigned32	
hh3cMACInfoTrapCount (1.3.6.1.4.1.25506.2.87.1.3.2.2)	Unsigned32	
hh3cMACInfoTrapMsg (1.3.6.1.4.1.25506.2.87.1.3.2.3)	OCTET STRING	1..254

Trigger Action:

The trap occurs whenever MAC address table is changed.

Recommended Action:

No action is required.

155. hh3cMACInformationChangedTrapExt

OID of this trap is:

1.3.6.1.4.1.25506.2.87.1.4.0.1

Module of MIB:

HH3C-MAC-INFORMATION-MIB

MIB file:

hh3c-mac-information.mib

Description:

The notification represents that the changed MAC information in device.

Object Name	Object Type	Object Value Scope
hh3cMACInfoTrapVerExt (1.3.6.1.4.1.25506.2.87.1.4.2.1)	Unsigned32	
hh3cMACInfoTrapIndexExt (1.3.6.1.4.1.25506.2.87.1.4.2.2)	Unsigned32	
hh3cMACInfoTrapCountExt (1.3.6.1.4.1.25506.2.87.1.4.2.3)	Unsigned32	
hh3cMACInfoTrapMsgExt (1.3.6.1.4.1.25506.2.87.1.4.2.4)	OCTET STRING	1..254

Trigger Action:

The trap occurs whenever MAC address table is changed.

Recommended Action:

No action is required.

156. hh3cDHCPSErverAddrExhaust

OID of this trap is:

1.3.6.1.4.1.25506.2.101.3.0.1

Module of MIB:

HH3C-DHCP-SERVER-MIB

MIB file:

hh3c-dhcp-server.mib

Description:

This trap is generated when IP address resources of the DHCP server are exhausted.

Object Name	Object Type	Object Value Scope
hh3cDHCPSErverPoolName (1.3.6.1.4.1.25506.2.101.2.1)	OCTET STRING	0..255

Trigger Action:

IP address resources of the DHCP server are exhausted.

Recommended Action:

No action is required.

157. hh3cDHCPServerAddrExhaustRecover

OID of this trap is:

1.3.6.1.4.1.25506.2.101.3.0.2

Module of MIB:

HH3C-DHCP-SERVER-MIB

MIB file:

hh3c-dhcp-server.mib

Description:

This trap is generated when IP address resources of the DHCP server are recovered from exhausting.

Object Name	Object Type	Object Value Scope
hh3cDHCPServerPoolName (1.3.6.1.4.1.25506.2.101.2.1)	OCTET STRING	0..255

Trigger Action:

IP address resources of the DHCP server are recovered from exhausting.

Recommended Action:

No action is required.

158. hh3cDHCPServerAvgIpUsageOverflow

OID of this trap is:

1.3.6.1.4.1.25506.2.101.3.0.3

Module of MIB:

HH3C-DHCP-SERVER-MIB

MIB file:

hh3c-dhcp-server.mib

Description:

This trap is generated when the average IP address utilization of the address pool in 5 minutes reaches the threshold.

Object Name	Object Type	Object Value Scope
hh3cDHCPServerPoolName (1.3.6.1.4.1.25506.2.101.2.1)	OCTET STRING	0..255

Trigger Action:

The average IP address utilization of the address pool in 5 minutes reaches the threshold.

Recommended Action:

No action is required.

159. hh3cDHCPServerMaxIpUsageOverflow

OID of this trap is:

1.3.6.1.4.1.25506.2.101.3.0.4

Module of MIB:

HH3C-DHCP-SERVER-MIB

MIB file:

hh3c-dhcp-server.mib

Description:

This trap is generated when the maximum IP address utilization of the address pool in 5 minutes reaches the threshold.

Object Name	Object Type	Object Value Scope
hh3cDHCPServerPoolName (1.3.6.1.4.1.25506.2.101.2.1)	OCTET STRING	0..255

Trigger Action:

The maximum IP address utilization of the address pool in 5 minutes reaches the threshold.

Recommended Action:

No action is required.

160. hh3cDHCPServerAllocateOverflow

OID of this trap is:

1.3.6.1.4.1.25506.2.101.3.0.5

Module of MIB:

HH3C-DHCP-SERVER-MIB

MIB file:

hh3c-dhcp-server.mib

Description:

This trap is generated when the number of successfully allocated IP addresses to received DHCP requests in 5 minutes reaches the threshold.

Object Name	Object Type	Object Value Scope
NA	NA	NA

Trigger Action:

The number of successfully allocated IP addresses to received DHCP requests in 5 minutes reaches the threshold.

Recommended Action:

No action is required.

161. hh3cPPPoESAbnormOffsAlarm

OID of this trap is:

1.3.6.1.4.1.25506.2.102.2.0.1

Module of MIB:

HH3C-PPPOE-SERVER-MIB

MIB file:

hh3c-pppoe-server.mib

Description:

If the PPPoE abnormal offline event count in the last five minutes exceeds this threshold, the system outputs a trap message.

Object Name	Object Type	Object Value Scope
NA	NA	NA

Trigger Action:

The PPPoE abnormal offline event count in the last five minutes exceeds this threshold,

Recommended Action:

No action is required.

162. hh3cPPPoESAbnormOffPerAlarm

OID of this trap is:

1.3.6.1.4.1.25506.2.102.2.0.2

Module of MIB:

HH3C-PPPOE-SERVER-MIB

MIB file:

hh3c-pppoe-server.mib

Description:

If the PPPoE abnormal offline event percentage in the last five minutes exceeds this threshold, the system outputs a trap message.

Object Name	Object Type	Object Value Scope
NA	NA	NA

Trigger Action:

The PPPoE abnormal offline event percentage in the last five minutes exceeds this threshold,.

Recommended Action:

No action is required.

163. hh3cPPPoESNormOffPerAlarm

OID of this trap is:

1.3.6.1.4.1.25506.2.102.2.0.3

Module of MIB:

HH3C-PPPOE-SERVER-MIB

MIB file:

hh3c-pppoe-server.mib

Description:

If the PPPoE normal offline event percentage in the last five minutes is lower than this threshold, the system outputs a trap message.

Object Name	Object Type	Object Value Scope
NA	NA	NA

Trigger Action:

The PPPoE normal offline event percentage in the last five minutes is lower than this threshold.

Recommended Action:

No action is required.

164. hh3cARPRatelimitOverspeedTrap

OID of this trap is:

1.3.6.1.4.1.25506.2.110.1.1.0.1

Module of MIB:

HH3C-ARP-RATELIMIT-MIB

MIB file:

hh3c-arp-ratelimit.mib

Description:

If the rate of ARP packets delivered to the CPU on a device exceeds the threshold, a trap message is generated and sent to the remote monitoring device.

Object Name	Object Type	Object Value Scope
hh3cARPRatelimitTrapVer (1.3.6.1.4.1.25506.2.110.1.1.1.1)	Unsigned32	
hh3cARPRatelimitTrapCount (1.3.6.1.4.1.25506.2.110.1.1.1.2)	Unsigned32	
hh3cARPRatelimitTrapMsg (1.3.6.1.4.1.25506.2.110.1.1.1.3)	OCTET STRING	0..254

Trigger Action:

The trap occurs whenever the packet rate of ARP packet that is delivered to CPU on device exceeds the threshold.

Recommended Action:

No action is required.

165. hh3chgmpMemberfailure

OID of this trap is:

1.3.6.1.4.1.25506.8.7.1.0.1

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one cluster member fails, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpGrpMemberDeviceld (1.3.6.1.4.1.25506.8.7.1.14.1.1)	OCTET STRING	0..10

Trigger Action:

One cluster member fails.

Recommended Action:

Check if the communication between them and configuration of the member is right.

166. hh3chgmpMemberRecover

OID of this trap is:

1.3.6.1.4.1.25506.8.7.1.0.2

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one cluster member recovers from failure, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpGrpMemberDeviceld (1.3.6.1.4.1.25506.8.7.1.14.1.1)	OCTET STRING	0..10

Trigger Action:

One cluster member recovers from failure.

Recommended Action:

No action is required.

167. hh3chgmpMemberStatusChange

OID of this trap is:

1.3.6.1.4.1.25506.8.7.1.0.3

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one cluster member's status is changed, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpGrpMemberDeviceld (1.3.6.1.4.1.25506.8.7.1.14.1.1)	OCTET STRING	0..10
hh3chgmpNTDPCacheClusterRole (1.3.6.1.4.1.25506.8.7.4.10.1.4)	INTEGER	roleCOSW(1), roleMSW(2), roleBKSW(3), roleCASW(16), roleUNISW(17)

Trigger Action:

One cluster member's status is changed.

Recommended Action:

No action is required.

168. hh3chgmpNetTopChange

OID of this trap is:

1.3.6.1.4.1.25506.8.7.1.0.4

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When topology of the cluster is changed, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpGrpMemberDeviceld (1.3.6.1.4.1.25506.8.7.1.14.1.1)	OCTET STRING	0..10

Trigger Action:

Topology of the cluster is changed.

Recommended Action:

No action is required.

169. hh3chgmpStackMemberfailure

OID of this trap is:

1.3.6.1.4.1.25506.8.7.2.0.1

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one stack member fails, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpStackMemberDeviceId (1.3.6.1.4.1.25506.8.7.2.6.1.1)	OCTET STRING	0..10

Trigger Action:

One stack member fails.

Recommended Action:

Check if the device reboot abnormally and stack cable function well.

170. hh3chgmpStackMemberRecover

OID of this trap is:

1.3.6.1.4.1.25506.8.7.2.0.2

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one stack member recovers, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpStackMemberDeviceId (1.3.6.1.4.1.25506.8.7.2.6.1.1)	OCTET STRING	0..10

Trigger Action:

One stack member recovers from failure.

Recommended Action:

No action is required.

171. hh3chgmpStackMemberStatusChange

OID of this trap is:

1.3.6.1.4.1.25506.8.7.2.0.3

Module of MIB:

HH3C-HGMP-MIB

MIB file:

hh3c-hgmp.mib

Description:

When one stack member's status is changed, send a trap to the network manager.

Object Name	Object Type	Object Value Scope
hh3chgmpStackMemberDeviceId (1.3.6.1.4.1.25506.8.7.2.6.1.1)	OCTET STRING	0..10
hh3chgmpNTDPCacheClusterRole (1.3.6.1.4.1.25506.8.7.4.10.1.4)	INTEGER	roleCOSW(1), roleMSW(2), roleBKSW(3), roleCASW(16), roleUNISW(17)

Trigger Action:

One stack member's status is changed.

Recommended Action:

No action is required.

172. hh3cNqaProbeTimeOverThreshold

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.1

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

For average or consecutive threshold type, this trap is generated if the hh3cNqaReactCurrentStatus value changed when a test completed. For accumulative threshold type, this trap is generated if the hh3cNqaReactCurrentStatus value changed when a probe completed,

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a test or probe completed.

Recommended Action:

Check the reason that the delay of the probe link change.

173. hh3cNqaJitterRTTOverThreshold

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.2

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Recommended Action:

Check the reason that the delay of the probe link change.

174. hh3cNqaProbeFailure

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.3

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

For consecutive threshold type, this trap is generated if the hh3cNqaReactCurrentStatus value changed when a test completed. For accumulative threshold type, this trap is generated if the hh3cNqaReactCurrentStatus value changed when a probe completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a test or probe completed.

Recommended Action:

Check why the quality of the probe link is low.

175. hh3cNqaJitterPacketLoss

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.4

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Recommended Action:

Check why the quality of the probe link is low.

176. hh3cNqaJitterSDOverThreshold**OID of this trap is:**

1.3.6.1.4.1.25506.8.3.3.5

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
PingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
PingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
PingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
PingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Recommended Action:

Check the why the delay of the probe link from source to destination change.

177. hh3cNqaJitterDSOverThreshold

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.6

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a UDP-jitter or voice test completed.

Recommended Action:

Check the why the delay of the probe link from destination to source change.

178. hh3cNqaICPIFOverThreshold

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.7

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
PingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
PingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
PingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
PingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a voice test completed.

Recommended Action:

Check the why the ICPIF value change on probe link.

179. hh3cNqaMOSOverThreshold

OID of this trap is:

1.3.6.1.4.1.25506.8.3.3.8

Module of MIB:

HH3C-NQA-MIB

MIB file:

hh3c-nqa.mib

Description:

This trap is generated if the hh3cNqaReactCurrentStatus value changed when a voice test completed.

Object Name	Object Type	Object Value Scope
hh3cNqaReactOwnerIndex (1.3.6.1.4.1.25506.8.3.1.13.1.1)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactTestName (1.3.6.1.4.1.25506.8.3.1.13.1.2)	OCTET STRING	SnmpAdminString (SIZE (0..32))
hh3cNqaReactItemIndex (1.3.6.1.4.1.25506.8.3.1.13.1.3)	Unsigned32	1..10
pingCtlTargetAddressType (1.3.6.1.2.1.80.1.2.1.3)	InetAddressType	unknown(0), ipv4(1), ipv6(2), dns(16)
pingCtlTargetAddress (1.3.6.1.2.1.80.1.2.1.4)	InetAddress	OCTET STRING (SIZE (0..255))
pingCtlType (1.3.6.1.2.1.80.1.2.1.16)	OBJECT IDENTIFIER	
pingCtlDescr (1.3.6.1.2.1.80.1.2.1.17)	OCTET STRING	
hh3cNqaReactThresholdType (1.3.6.1.4.1.25506.8.3.1.13.1.7)	INTEGER	invalid(0), average(1), consecutive(2), accumulative(3)
hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	INTEGER	invalid(1), overThreshold(2), belowThreshold(3)

Trigger Action:

The hh3cNqaReactCurrentStatus value changed when a voice test completed.

Recommended Action:

Check the why the MOS value change on probe link.