

Chapter 10

Juniper Networks Enterprise-Specific SNMP Traps

This chapter summarizes the enterprise-specific SNMP traps supported by the JUNOS software. For scalability reasons, the Multiprotocol Label Switching (MPLS) traps are generated by the ingress router only. For information on disabling the generation of MPLS traps, see the *JUNOS MPLS Applications Configuration Guide*.



NOTE: All enterprise-specific SNMP traps supported by the JUNOS software can be sent in version 1 and 2 formats.

The JUNOS software supports the following enterprise-specific traps:

Juniper Networks Enterprise-Specific SNMP Version 1 Traps on page 107

Juniper Networks Enterprise-Specific SNMP Version 2 Traps on page 111

Juniper Networks Enterprise-Specific SNMP Version 1 Traps

The JUNOS software supports enterprise-specific version 1 traps shown in Table 7. The traps are organized first by trap category and then by trap name. The system logging severity levels are listed for those traps that have them. For traps that do not have corresponding system logging severity levels, the cell in the table is marked with an em-dash (—).

For more information about system log messages, see the *JUNOS System Log Messages Reference*. For more information about configuring system logging, see the *JUNOS System Basics Configuration Guide*. To view the Juniper Networks enterprise-specific SNMP version 1 traps, see “Juniper Networks Enterprise-Specific MIBs” on page 101 and select the corresponding Juniper Networks enterprise-specific MIB. For more information about chassis traps, see “Chassis Traps” on page 290.

Table 7 lists the Juniper Networks enterprise-specific supported SNMP version 1 traps.

Table 7: Juniper Networks Enterprise-Specific Supported SNMP Version 1 Traps

Trap Category	Trap Name	Enterprise ID	Generic Trap Number	Specific Trap Number	System Logging Severity Level	System Log Tag
chassis (alarm conditions)	jnxPowerSupplyFailure	1.3.6.1.4.1.2636.4.1	6	1	warning	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFanFailure	1.3.6.1.4.1.2636.4.1	6	2	critical	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxOverTemperature	1.3.6.1.4.1.2636.4.1	6	3	alert	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxRedundancySwitchOver	1.3.6.1.4.1.2636.4.1	6	4	critical	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruRemoval	1.3.6.1.4.1.2636.4.1	6	5	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruInsertion	1.3.6.1.4.1.2636.4.1	6	6	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruPowerOff	1.3.6.1.4.1.2636.4.1	6	7	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruPowerOn	1.3.6.1.4.1.2636.4.1	6	8	notice	CHASSISD_SNMPTRAP
chassis (cleared alarm conditions)	jnxPowerSupplyOk	1.3.6.1.4.1.2636.4.2	6	1	critical	CHASSISD_SNMPTRAP
chassis (cleared alarm conditions)	jnxFanOK	1.3.6.1.4.1.2636.4.2	6	2	critical	CHASSISD_SNMPTRAP
chassis (cleared alarm conditions)	jnxTemperatureOK	1.3.6.1.4.1.2636.4.2	6	3	alert	CHASSISD_SNMPTRAP
configuration	jnxCmCfgChange	1.3.6.1.4.1.2636.4.5	6	1	—	—
configuration	jnxCmRescueChange	1.3.6.1.4.1.2636.4.5	6	2	—	—
link	jnxCollUnavailableDest	1.3.6.1.4.1.2636.4.8	6	1	—	—
link	jnxCollUnavailableDestCleared	1.3.6.1.4.1.2636.4.8	6	2	—	—
link	jnxCollUnsuccessfulTransfer	1.3.6.1.4.1.2636.4.8	6	3	—	—
link	jnxCollFlowOverload	1.3.6.1.4.1.2636.4.8	6	4	—	—

Trap Category	Trap Name	Enterprise ID	Generic Trap Number	Specific Trap Number	System Logging Severity Level	System Log Tag
link	jnxCollFlowOverloadCleared	1.3.6.1.4.1.2636.4.8	6	5	—	—
link	jnxCollMemoryUnavailable	1.3.6.1.4.1.2636.4.8	6	6	—	—
link	jnxCollMemoryAvailable	1.3.6.1.4.1.2636.4.8	6	7	—	—
link	jnxPMonOverloadSet	1.3.6.1.4.1.2636.4.7.0.1	6	1	—	—
link	jnxPMonOverloadCleared	1.3.6.1.4.1.2636.4.7.0.2	6	2	—	—
link	jnxapsEventSwitchover	1.3.6.1.4.1.2636.3.24.2	6	1	—	—
link	jnxapsEventModeMismatch	1.3.6.1.4.1.2636.3.24.2	6	2	—	—
link	apsEventChannelMismatch	1.3.6.1.4.1.2636.3.24.2	6	3	—	—
link	apsEventPSBF	1.3.6.1.4.1.2636.3.24.2	6	4	—	—
link	apsEventFEPLF	1.3.6.1.4.1.2636.3.24.2	6	5	—	—
remote operations	jnxPingRttThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	1	—	—
remote operations	jnxPingRttStdDevThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	2	—	—
remote operations	jnxPingRttJitterThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	3	—	—
remote operations	jnxPingEgressThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	4	—	—
remote operations	jnxPingEgressStdDevThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	5	—	—
remote operations	jnxPingEgressJitterThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	6	—	—
remote operations	jnxPingIngressThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	7	—	—
remote operations	jnxPingIngressStddevThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	8	—	—
remote operations	jnxPingIngressJitterThresholdExceeded	1.3.6.1.4.1.2636.4.9	6	9	—	—
routing	jnxBgpM2Established	1.3.6.1.4.1.2636.5.1.1.1.0.1	6	1	—	—
routing	jnxBgpM2BackwardTransition	1.3.6.1.4.1.2636.5.1.1.1.0.2	6	2	—	—
routing	jnxLdpLspUp	1.3.6.1.4.1.2636.4.4	6	1	—	—
routing	jnxLdpLspDown	1.3.6.1.4.1.2636.4.4	6	2	—	—
routing	jnxLdpSesUp	1.3.6.1.4.1.2636.4.4	6	3	—	—
routing	jnxLdpSesDown	1.3.6.1.4.1.2636.4.4	6	4	—	—
routing	mplsLspUp	1.3.6.1.4.1.2636.3.2.4	6	1	—	—
routing	mplsLspDown	1.3.6.1.4.1.2636.3.2.4	6	2	—	—
routing	mplsLspChange	1.3.6.1.4.1.2636.3.2.4	6	3	—	—
routing	mplsLspPathDown	1.3.6.1.4.1.2636.3.2.4	6	4	—	—
routing	jnxVpnIfUp	1.3.6.1.4.1.2636.3.26	6	1	—	—
routing	jnxVpnIfDown	1.3.6.1.4.1.2636.3.26	6	2	—	—

Trap Category	Trap Name	Enterprise ID	Generic Trap Number	Specific Trap Number	System Logging Severity Level	System Log Tag
routing	jnxVpnPwUp	1.3.6.1.4.1.2636.3.26	6	3	—	—
routing	jnxVpnPwDown	1.3.6.1.4.1.2636.3.26	6	4	—	—
rmon-alarm	jnxRmonAlarmGetFailure	1.3.6.1.4.1.2636.4.3	6	1	—	—
rmon-alarm	jnxRmonGetOk	1.3.6.1.4.1.2636.4.3	6	2	—	—
sonet-alarm	jnxSonetAlarmSet	1.3.6.1.4.1.2636.4.6	6	1	—	—
sonet-alarm	jnxSonetAlarmCleared	1.3.6.1.4.1.2636.4.6	6	2	—	—

Juniper Networks Enterprise-Specific SNMP Version 2 Traps

The JUNOS software supports the enterprise-specific version 2 traps shown in Table 8. The traps are organized first by trap category and then by trap name. The system logging severity levels are listed for those traps that have them. For traps that do not have corresponding system logging severity levels, the cell in the table is marked with an em-dash (—).

For more information about system messages, see the *JUNOS System Log Messages Reference*. For more information about configuring system logging, see the *JUNOS System Basics Configuration Guide*. To view the Juniper Networks enterprise-specific SNMP version 2 traps, see the “Juniper Networks Enterprise-Specific MIBs” on page 101 and select the corresponding Juniper Networks enterprise-specific MIB. For more information about chassis traps, see “Chassis Traps” on page 290.

Table 8 lists the Juniper Networks enterprise-specific supported SNMP version 2 traps.

Table 8: Enterprise-Specific Supported SNMP Version 2 Traps

Trap Category	Trap Name	snmpTrapOID	System Logging Severity Level	System Log Tag
chassis (alarm conditions)	jnxPowerSupplyFailure	1.3.6.1.4.1.2636.4.1.1	alert	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFanFailure	1.3.6.1.4.1.2636.4.1.2	critical	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxOverTemperature	1.3.6.1.4.1.2636.4.1.3	critical	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxRedundancySwitchOver	1.3.6.1.4.1.2636.4.1.4	critical	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruRemoval	1.3.6.1.4.1.2636.4.1.5	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruInsertion	1.3.6.1.4.1.2636.4.1.6	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruPowerOff	1.3.6.1.4.1.2636.4.1.7	notice	CHASSISD_SNMPTRAP
chassis (alarm conditions)	jnxFruPowerOn	1.3.6.1.4.1.2636.4.1.8	notice	CHASSISD_SNMPTRAP
chassis (cleared alarm conditions)	jnxPowerSupplyOK	1.3.6.1.4.1.2636.4.2.1	critical	CHASSISD_SNMPTRAP
chassis (cleared alarm conditions)	jnxFanOK	1.3.6.1.4.1.2636.4.2.2	critical	CHASSISD_SNMPTRAP

Trap Category	Trap Name	snmpTrapOID	System Logging Severity Level	System Log Tag
chassis (cleared alarm conditions)	jnxTemperatureOK	1.3.6.1.4.1.2636.4.2.3	alert	CHASSISD_SNMP_TRAP
configuration	jnxCmCfgChange	1.3.6.1.4.1.2636.4.5.0.1	—	—
configuration	jnxCmRescueChange	1.3.6.1.4.1.2636.4.5.0.2	—	—
link	jnxCollUnavailableDest	1.3.6.1.4.1.2636.4.8.0.1	—	—
link	jnxCollUnavailableDestCleared	1.3.6.1.4.1.2636.4.8.0.2	—	—
link	jnxCollUnsuccessfulTransfer	1.3.6.1.4.1.2636.4.8.0.3	—	—
link	jnxCollFlowOverload	1.3.6.1.4.1.2636.4.8.0.4	—	—
link	jnxCollFlowOverloadCleared	1.3.6.1.4.1.2636.4.8.0.5	—	—
link	jnxCollMemoryUnavailable	1.3.6.1.4.1.2636.4.8.0.6	—	—
link	jnxCollMemoryAvailable	1.3.6.1.4.1.2636.4.8.0.7	—	—
link	jnxPMonOverloadSet	1.3.6.1.4.1.2636.4.7.0.1	—	—
link	jnxPMonOverloadCleared	1.3.6.1.4.1.2636.4.7.0.2	—	—
link	jnxapsEventSwitchover	1.3.6.1.4.1.2636.3.24.2.0.1	—	—
link	jnxapsEventModeMismatch	1.3.6.1.4.1.2636.3.24.2.0.2	—	—
link	apsEventChannelMismatch	1.3.6.1.4.1.2636.3.24.2.0.3	—	—
link	apsEventPSBF	1.3.6.1.4.1.2636.3.24.2.0.4	—	—
link	apsEventFEPLF	1.3.6.1.4.1.2636.3.24.2.0.5	—	—
remote operations	jnxPingRttThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.1	—	—
remote operations	jnxPingRttStdDevThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.2	—	—
remote operations	jnxPingRttJitterThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.3	—	—
remote operations	jnxPingEgressThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.4	—	—
remote operations	jnxPingEgressStdDevThresholdExceed	1.3.6.1.4.1.2636.4.9.0.5	—	—
remote operations	jnxPingEgressJitterThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.6	—	—
remote operations	jnxPingIngressThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.7	—	—
remote operations	jnxPingIngressStddevThresholdExceeded	1.3.6.1.4.1.2636.4.9.0.8	—	—
remote operations	jnxPingIngressJitterThresholdExceedd	1.3.6.1.4.1.2636.4.9.0.9	—	—
routing	jnxBgpM2Established	1.3.6.1.4.1.2636.5.1.1.1.0.1	—	—
routing	jnxBgpM2BackwardTransition	1.3.6.1.4.1.2636.5.1.1.1.0.2	—	—
routing	jnxLdpLspUp	1.3.6.1.4.1.2626.4.4.0.1	—	—
routing	jnxLdpLspDown	1.3.6.1.4.1.2626.4.4.0.2	—	—
routing	jnxLdpSesUp	1.3.6.1.4.1.2626.4.4.0.3	—	—
routing	jnxLdpSesDown	1.3.6.1.4.1.2626.4.4.0.4	—	—
routing	mplsLspUp	1.3.6.1.4.1.2636.3.2.4.1	—	—
routing	mplsLspDown	1.3.6.1.4.1.2636.3.2.4.2	—	—
routing	mplsLspChange	1.3.6.1.4.1.2636.3.2.4.3	—	—
routing	mplsLspPathDown	1.3.6.1.4.1.2636.3.2.4.4	—	—
routing	jnxVpnIfUp	1.3.6.1.4.1.2636.3.26.0.1	—	—

Trap Category	Trap Name	snmpTrapOID	System Logging Severity Level	System Log Tag
routing	jnxVpnIfDown	1.3.6.1.4.1.2636.3.26.0.2	—	—
routing	jnxVpnPwUp	1.3.6.1.4.1.2636.3.26.0.3	—	—
routing	jnxVpnPwDown	1.3.6.1.4.1.2636.3.26.0.4	—	—
rmon-alarm	jnxRmonAlarmGetFailure	1.3.6.1.4.1.2636.4.3.0.1	—	—
rmon-alarm	jnxRmonGetOk	1.3.6.1.4.1.2636.4.3.0.2	—	—
sonet-alarm	jnxSonetAlarmSet	1.3.6.1.4.1.2636.4.6.0.1	—	—
sonet-alarm	jnxSonetAlarmCleared	1.3.6.1.4.1.2636.4.6.0.2	—	—

