

Chapter 21

Interpreting the Enterprise-Specific Traceroute MIB

The traceroute MIB supports the JUNOS software extensions of traceroutes and remote operations. Items in this MIB are created when entries are created in the traceRouteCtlTable of the traceroute MIB. Each item is indexed exactly the same way as it is in the traceroute MIB. For a downloadable version of the traceroute MIB, see www.juniper.net/techpubs/software/junos/junos71/swconfig71-net-mgmt/html/mib-jnx-traceroute.txt. For more information on using the traceroute MIB and enterprise-specific traceroute MIB, see “SNMP Remote Operations” on page 79.

The enterprise-specific tracerouteMIB structure includes one main object, jnxTraceRouteCtlTable.

jnxTraceRouteCtlTable

The jnxTraceRouteCtlTable, whose object identifier is {jnxTraceRouteObjects 2}, defines the jnxTraceRoute control table for providing enterprise-specific options to the corresponding traceRouteCtlEntry.

jnxTraceRouteCtlEntry

Each jnxTraceRouteCtlEntry has two indexes that are identical to those of the corresponding TraceRouteCtlEntry. Entries created in TraceRouteCtlTable are mirrored here and are listed in Table 48.

Table 48: jnxTraceRouteCtlTable:

| Object | Object Identifier | Description |
|--------------------|-------------------------|---|
| jnxTRCtlOwnerIndex | jnxTraceRouteCtlEntry 1 | The first index. It is identical to the jnxTraceRouteCtlOwnerIndex of the corresponding jnxTraceRouteCtlEntry in the jnxTraceRouteCtlTable. |
| jnxTRCtlTestName | jnxTraceRouteCtlEntry 2 | The other index and is identical to the jnxTraceRouteCtlTestName of the corresponding jnxTraceRouteCtlEntry in the jnxTraceRouteCtlTable. |

| Object | Object Identifier | Description |
|-----------------------------|-------------------------|---|
| jnxTRCtlIfName | jnxTraceRouteCtlEntry 3 | <p>Specifies the name of the outgoing interface for traceroute probes. This is the name-based complement to traceRouteCtlIfIndex. A zero-length string value for this object means that this option is not enabled. The following values can be set simultaneously, but only one value is used.</p> <p>The precedence order is as follows:</p> <ul style="list-style-type: none"> traceRouteCtlIfIndex (see traceRouteCtlTable in the traceroute MIB) jnxTRCtlIfName jnxTRCRoutingInstanceName |
| jnxTRCtlRoutingInstanceName | jnxTraceRouteCtlEntry 4 | <p>Specifies the name of the routing instance used when directing outgoing traceroute packets. The instance name specified must be configured at the [edit routing-instances] hierarchy level of the JUNOS configuration.</p> |