Contents

Java Packages 9

Main Components 10

SNMP Peer 10

SNMP Parameters 10

SNMP Session 11

Session Options 12

SNMP Request 13

Request States 14

Variable Bindings 14

Operation of an SNMP Manager 14

Synchronous Mode 15

Asynchronous Mode 16

SNMP Traps 17

PollD[tNono.6gmplemMaiJTJTcurityNMP Mana9st 13

Related Information

CHAPTER 1

SNMP Manager API

This API is a component of the Java Management extensions (JMX), a specification for application and network management. See “Related Information” on page vi for information about the other documents which make up the JMX specification.

The SNMP manager API is a set of Java classes that simplify the development of applications for managing SNMP agents. This chapter describes the main components of the SNMP manager API, provides usage examples and also explains how to implement authentication and encryption.

Java Packages

The JMX SNMP manager API is bundled in two packages furnished as part of the Java Management extensions:

- `javax.management.snmp.manager`
- `javax.management.snmp`

The `javax.management.snmp.manager` package contains the classes and interfaces which make up the main components and functions of the API. These are

The