

# Compatible Systems – SNMP: Frequently Asked Questions

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## Questions

### Introduction

**Can Compatible Systems routers report port speed in bytes per second?**

**How do I set the SNMP community names for the 900i or 1000R or 3000E?**

**Do you have MIBs available for download anywhere?**

**When adding a new SNMP section to a text configuration, if I configure the [SNMP CommunityString <NAME>] section first – Why can't I then add the [SNMP] section?**

**My RISC Router 3000E, running v4.0.2, does not seem to respond to SNMP requests from my Sun Net Manager for address translation table variables. I've moved back to v3.0.8 and all seems to be OK.**

**Related Information**

## Introduction

This document answers frequently asked questions about SNMP.

Refer to Cisco Technical Tips Conventions for more information on document conventions.

### **Q. Can Compatible Systems routers report port speed in bytes per second?**

**A.** Compatible Systems routers don't have facilities to do that, but they do have SNMP hooks that SNMP management tools can use to report that information.

CyberGauge from Neon Software for Macs (and soon Win 95/98/NT in Jan, 99).

There is Multi-Router Traffic Grapher (MRTG) for UNIX and Windows NT workstations.

Additionally for Windows NT, there is SNMPc from CastleRock Computing .

### **Q. How do I set the SNMP community names for the 900i or 1000R or 3000E?**

**A.** For Software versions prior to 4.0.0 the 900i, 1000R and 3000E use the public community name and cannot be changed. The only information that you can enter is the system name, domain, and location.

### **Q. Do you have MIBs available for download anywhere?**

**A.** We do not have a vendor-specific MIB for our products. We comply with the MIB-II specification for IP. Your SNMP package should give you enough information to talk to the devices via SNMP.

**Q. When adding a new SNMP section to a text configuration, if I configure the [SNMP CommunityString <NAME>] section first – Why can't I then add the [SNMP] section?**

**A.** This is a bug in all present 4.x.x releases. The workaround is to configure the [SNMP] section first. Then you will be able to configure the other SNMP sections.

**Q. My RISC Router 3000E, running v4.0.2, does not seem to respond to SNMP requests from my Sun Net Manager for address translation table variables. I've moved back to v3.0.8 and all seems to be OK.**

**A.** These variables were removed from the 3000E code. The reason for doing so was because the variables have been deprecated (removed) from SNMP MIB II and we needed the space in the code. The IP address table (ARP Table) can still be obtained and is contained in the following variables:

```
1.3.6.1.2.1.4.22.1.1 mgmt.mib-2.ipNetToMediaTable.ipNetToMediaIndex
1.3.6.1.2.1.4.22.1.2 mgmt.mib-2.ipNetToMediaTable.ipNetToMediaPhysAddress
1.3.6.1.2.1.4.22.1.3 mgmt.mib-2.ipNetToMediaTable.ipNetToMediaNetAddress
1.3.6.1.2.1.4.22.1.4 mgmt.mib-2.ipNetToMediaTable.ipNetToMediaType
```

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