
RIP Protocol Module

Overview

IP Infusion's ZebOS® Network Platform RIP Protocol Module is portable software that implements the industry-standard Routing Information Protocol. The ZebOS RIP Module is built on the ZebOS Network Services Module (NSM) and is IETF-compliant. It also supports an extensive set of features including RIPv1/v2, neighbor configuration, basic timer configuration, and Simple Network Management Protocol (SNMP).

Clients can use IP Infusion's RIP solution in embedded equipment and on standard server platforms. This control-plane software module can also integrate into a range of network processor environments. ZebOS is pre-configured to support many popular processors and operating system environments.

Features

- Static Routes Support
- Implements RIPv1 and RIPv2 Protocols
- RIP Neighbor Configuration Support
- Simple Password Authentication
- Basic Timer Configuration
- MD5 Authentication Support
- Offset-List Support
- Variable Length Subnet Masks Support
- Split Horizon Support
- Poison Reverse Support
- SNMP API
- Industry Standard Command Line Interface
- RIPv2-MIB With RIP Peer Support
- Restart Support
- RIP CE-PE Support
- Virtual Routing Support
- Flag to Control Metric Updates

Benefits

- Stable, robust implementation of RIP
- Delivers significant time-to-market advantage for customers
- Can be used in both embedded equipment and on standard server platforms
- Fully independent module that can be installed, configured and upgraded separately
- Platform-independent implementation

Requirements

- ZebOS Network Services Module

Standards Support

- RFC 1058 — Routing Information Protocol (RIP)
- RFC 1724 — RIP Management Information Base (MIB)
- RFC 2082 — RIP-2 MD5 Authentication
- RFC 2453 — Routing Information Protocol Version 2 (RIPv2)

Standard Deliverables

- Source Code (written in ANSI compliant C)
- Installation Guide
- Configuration Guide
- Command Reference Guide
- Developer Guide