

ZebOS™
Advanced Routing Suite

RIP Protocol Module

SKU ZOS-RIP

Overview

IP Infusion's ZebOS™ Advanced Routing Suite (ARS) RIP Protocol Module is portable software that implements the industry-standard Routing Information Protocol. The RIP Protocol Module is built on the ZebOS Network Services Module (NSM) and is IETF compliant. It also supports an extensive set of features including RIP v1 and v2, neighbor configuration, basic timer configuration, and Simple Network Management Protocol (SNMP). IP Infusion's RIP solution can be used in embedded equipment and on standard server platforms.

It is a control plane software module that can also be integrated into a range of network processor environments. ZebOS is pre-configured to support many popular processors and operating system environments. The ZebOS ARS modules are written in the ANSI C programming language.

Features

- Static Routes Support
- Implements RIPv1 and RIPv2 Protocols
- RIP Neighbor Configuration Support
- Provides Simple Password Authentication
- Provides 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

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

Supported Operating Systems

- Linux 2.4.x
- FreeBSD 4.x
- NetBSD 1.5
- Solaris 2.8
- VxWorks® 5.4
- OSE 4.4
- LynxOS 4.0

Requirements

SKU	PRODUCT NAME
ZOS-NSM	ZebOS Network Services Module

Standards Support

STANDARD	FUNCTION
RFC 1058	Routing Information Protocol (RIP)
RFC 1724	RIP MIB
RFC 2082	RIP-2 MD5 Authentication
RFC 2453	Routing Information Protocol (RIP) and Routing Information Protocol version 2 (RIPv2)

Standard Deliverables

- Source Code (written in ANSI compliant C)
- Installation and Configuration Guide
- RIP Command References
- Developer Guides

Licensing

Both source and object code licensing are available.

ip infusion™

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