

ZebOS®
Advanced Routing Suite

OSPFv3 Protocol Module

SKU ZOS-OSPF6

Overview

IP Infusion's ZebOS® Advanced Routing Suite (ARS) OSPFv3 (Open Shortest Path First) Protocol Module is portable software that implements the OSPF link state routing protocol for IPv6. IP Infusion's implementation of OSPFv3 is one of the first successful IPv6 versions of OSPF on the market. The OSPF Protocol Module is built on the ZebOS Network Services Module (NSM) and is IETF compliant.

In addition, IP Infusion's OSPF 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, and is pre-configured to support many popular operating systems. The ZebOS ARS modules are written in the ANSI C programming language.

Features

- OSPF Version 3 Support
- OSPF Hello Parameter Configuration
- OSPF Interface Configuration
- Area Border Router (ABR) Support
- OSPF Area Support
- Route Redistribution
- Type 1 and Type 2 External Routing Support
- Virtual Link Support
- Multiple-Instances
- Unknown LSA
- MIB (get,get_next)
- Traffic Engineering Support
- Nonbroadcast Multiaccess (NBMA) Support

Benefits

- Stable, robust implementation of OSPFv3
- 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
- MontaVista Professional Edition
- NetBSD
- VxWorks® *

* Requires IP Infusion TCP/IP Module.

Requirements

SKU	PRODUCT NAME
ZOS-NSM	ZebOS Network Services Module

Standards Support

STANDARD	FUNCTION
RFC 2740	Open Shortest Path First version 3 (OSPFv3) for IPv6 support
draft-ishiguro-OSPF-OSPFv3-traffic-01	Traffic Engineering Extensions for OSPF version 3

Standard Deliverables

- Source Code (written in ANSI compliant C)
- Installation and Configuration Guide
- OSPFv3 Command References
- Developer Guides



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