

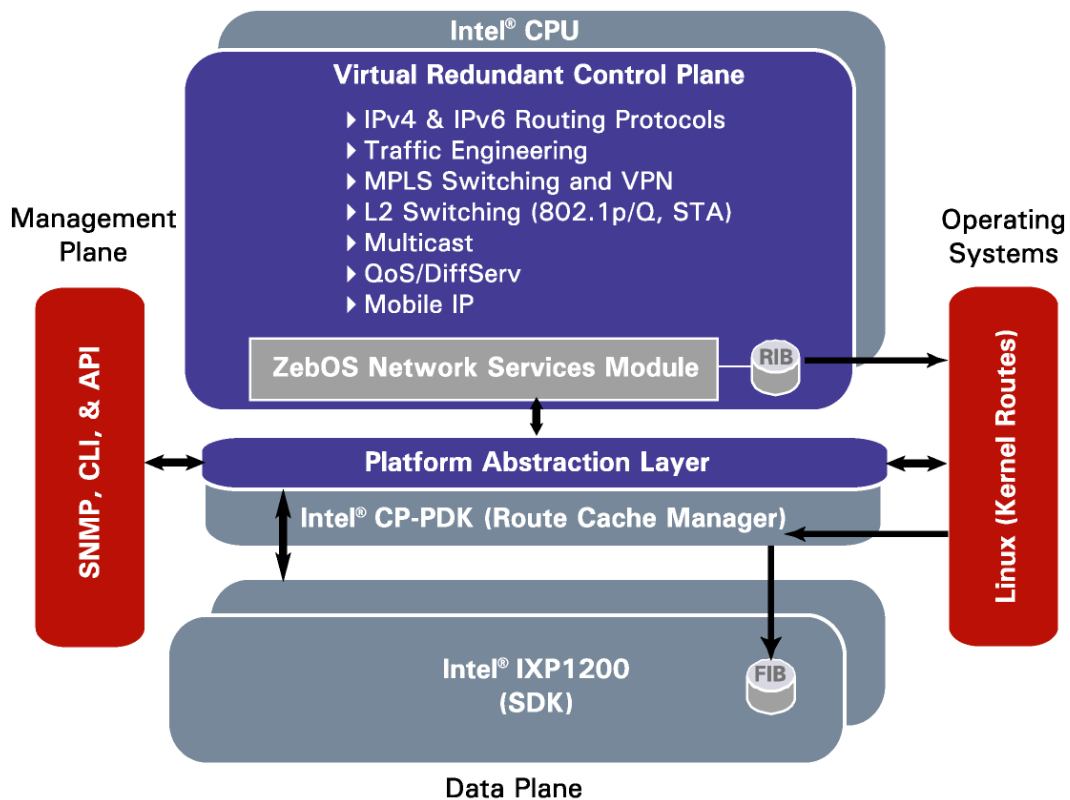
IP Infusion and Intel Routing Solution for the Intel® IXP1200

Routing Solution for the Intel® IXP1200

Overview

IP Infusion's routing solution for the Intel® IXP1200 consists of configuration and installation instructions for incorporating the ZebOS™ Advanced Routing Suite (ARS) into the IXP1200 reference design. This documentation describes a development environment including Intel® Control Plane Platform Development Kit (CP-PDK) control plane support, IP Infusion ZebOS routing protocol code, Intel SDK forwarding plane support, Intel IXP1200 reference hardware, and Linux operating system support. This tested development environment can save customers significant time and expense when developing applications for the Intel® IXP1200 network processor.

In this development environment, ZebOS protocol software interfaces with the CP-PDK by leveraging the Linux operating system. ZebOS updates the Linux kernel routes based on the Routing Information Base (RIB). Then the Route Cache Manager of the CP-PDK monitors the updates to the kernel routes and updates the Forwarding Information base (FIB) in the SDK forwarding code accordingly (see figure below).



Features

- Complete, supported development environment
- Documented configuration and installation instructions
- IP Infusion IPv4 support (BGP, RIP, OSPF)
- Supported on Linux operating system (kernel 2.4.7-10)

Benefits

- Ease in implementing ZebOS protocol suite on the Intel® IXP1200 reference platform
- Provides tested routing development environment
- Delivers significant time-to-market advantage for customers

Requirements

PRODUCT	PROVIDING COMPANY
ZebOS Advanced Routing Suite 5.0	IP Infusion
Intel® IXDP1200 Reference Platform	Intel
Intel® IXA Software Development Kit 2.0	Intel
Intel® Control Plane Platform Development Kit 1.0	Intel



IP Infusion Inc.
111 W. St. John Street
Suite 910
San Jose, CA 95113
tel: 408-794-1500
fax: 408-278-0521
marketing@ipinfusion.com
www.ipinfusion.com