Day One:

Contrail DPDK??

TAGLINE

Learn how to use Contrail’s DPDK to xxxx xx x xx

By xxxx, xxxx, xxxxxx

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Writing the xxxx xx xx xx x x x xx x.

# Welcome to Day One

This book is part of the Day One library, produced and published by Juniper Networks Books. Day One books cover the Junos OS and Juniper Networks network administration with straightforward explanations, step-by-step instructions, and practical examples that are easy to follow. You can obtain the books from various sources:

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# Key DPDK Resources

This book is not a substitute for the excellent Contrail DPDK documentation that exists in the Juniper TechLibrary. The authors of this book assume you are familiar with Contrail documentation.

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| --- | --- |
| What is the Doc? | What is the URL? |
| Tungsten Fabric Architecture | https://tungstenfabric.github.io/website/Tungsten-Fabric-Architecture.html |
| Contrail day one book | Find the URL |
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What You Need to Know Before Reading This Book

* You need a basic understanding of Linux
* You need a basic understanding of IP networking.

This book assumes that you know some basic background about contrail architecture.

* You will need to have 2 or more Linux servers with DPDK-capable NIC cards (For example Intel x710, Intel 82599)

After Reading This Book…

* You will be familiar with contrail vRouter, VirtIO and DPDK data plane architecture.
* You will learn the SDN basics
* You will learn DPDK and network virtualization technologies
* You will learn Contrail vRouter DPDK internal architectures.
* You will learn packet forwarding flows in DPDK vRouter.
* You will learn utilities available for DPDK vRouter troubleshoot and analyse DPDK performance

How This Book Is Set Up

This book is organized in seven chapters and an Appendix.

The first chapter gives SDN overview.

Chapter 2 introduces virtualization concepts

Chapter 3 introduce DPDK vRouter architecture in details

Chapter 4 introduce DPDK vRouter fine tuning.

Chapter 5 introduce installations, DPDK tools and gives some lab studies

Appendix discusses xxxxx.

NOTE This book replaces the term “slave” with the terms “client”.