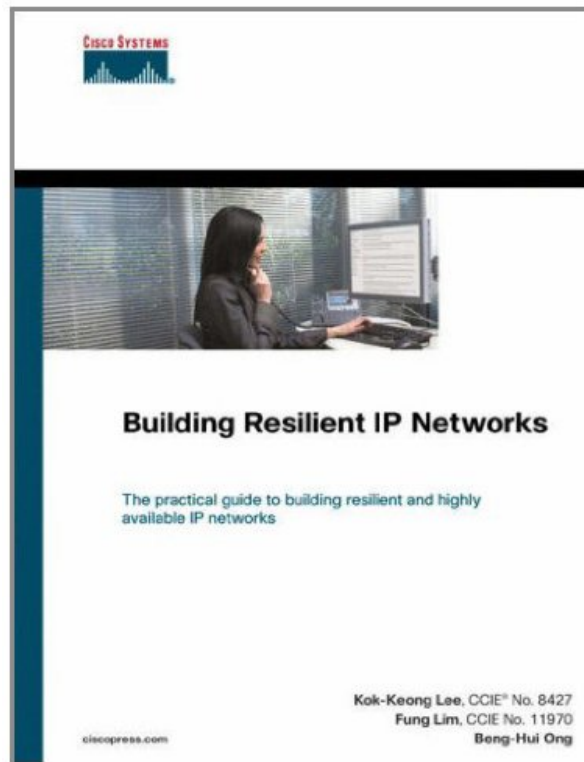


BUILDING RESILIENT IP NETWORKS BY KOK-KEONG LEE, FUNG CCIE NO. 11970 LIM, BENG-HUI ONG



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Building Resilient IP Networks

The practical guide to building resilient and highly available IP networks

ciscopress.com

Kok-Keong Lee, CCIE® No. 8427
Fung Lim, CCIE No. 11970
Beng-Hui Ong

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From the Back Cover

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efficient networks, understanding new technologies, and building successful careers.

About the Author

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The practical guide to building resilient and highly available IP networks

- Learn from an all-in-one introduction to new features and developments in building a resilient IP network
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With Building Resilient IP Networks, you examine misconceptions about five-nines availability and learn to focus your attention on the real issues: appreciating the limitations of the protocols, understanding what has been done to improve them, and keeping abreast of those changes. Building Resilient IP Networks highlights the importance of having a modular approach to building an IP network and, most important, illustrates how a modular design contributes to a resilient network. You learn how an IP network can be broken down to various modules and how these modules interconnect with one another. Then you explore new network resiliency features that have been developed recently, categorized with respect to the design modules.

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Most helpful customer reviews

5 of 5 people found the following review helpful.

Thorough Overview of new High Availability features in Cisco IOS and more

By Shahid Shafi

"Building Resilient IP Networks by KK Lee et al" is Cisco Press's latest attempt to document all new High Availability features available on Cisco IOS software. Cisco is allocating lot of resources on new IOS features to improve Networks uptime and availability. New Microkernel OS architecture and ISSUP are now reality with Cisco Hardware and one can clearly see Cisco's commitment to improve network availability and uptime. One can always read and hear about these features by visiting cisco.com, talking to Cisco's TMEs, attending Networkers or Webcasts et al. Well after this title not anymore! This book will certainly get you started and for more details, one can always consult CCO. It covers all new HA, Network Management, Routing Protocols, Data Center security features including but not limited to EEM (Embedded Event Manager), IP SLA, COOL, BFD (Bidirectional Forwarding Detection), NSF(Non Stop Forwarding, SSO (Stateful Switchover) etc.

Most impressive aspect of this book is that, it teaches the reader the importance of modular network design and clearly shows how to build and design different modules of IP network. It also shows how different modules interact and what resiliency features are available for each module. The book is divided into 10 chapters discussing different modules in detail. There are separate chapters on Access Module, Core Module, Data Center Module, Internet Module, Wan Module and adequate coverage is given to Network Management and Monitoring. In Core Module, all IGP enhancements are discussed. In Internet Module all BGP and NAT enhancements including BGP Next hop tracking, BGP's NSF/SSO and Stateful NAT are discussed. If you want to know how OSPF graceful restart works or how RPR is different from RPR+, you should definitely consider this book.

I'll like to mention here that this book is not intended for beginners. It assumes you have considerable amount of experience with Routing protocols and Cisco hardware. Also in certain sections, details are less than adequate and reader has to search for more details on CCO. I am fine searching for more information but I don't understand why they cannot add 100 more pages and cover topics in more detail. Also considering the number of newer technologies discussed and introduced in this book, it would have been nice if it has Glossary of terms in the appendix.

Overall it is a thorough overview of newer HA features available and I highly recommend it to network managers and senior network engineers. I suggest Cisco press should come up with newer edition of this title every 12 to 18 months to keep Network Managers and Engineers abreast with new Cisco developments.

3 of 3 people found the following review helpful.

Not much about everything

By Ivan Pepelnjak

Just looking at the impressive table-of-content and its breadth makes you wonder about the size of this book. Unfortunately, the authors decided to briefly cover a large number of topics without going in-depth on any one of them. So, if you're looking for a technology/solutions overview, this is the right book for you. If you're interested in one of the hot new Cisco technologies and want to get the details from this book, you'll probably be disappointed.

0 of 3 people found the following review helpful.

How to build a flexible, always-up IP network

By D. Donovan, Editor/Sr. Reviewer

IP network pros won't want to be without Kok-Keong Lee and Fung Lim, Beng-Hui-Ong's BUILDING

RESILIENT IP NETWORKS : it provides a wealth of detail on meeting the challenge of building an IP network which is flexible, which remains up all the time, and which can be easily maintained and attack-resistant. Chapters examine misconceptions about availability, issues, and protocol limitations, teaching improvements, changes, and how the IP network's modules interact with one another. Both enterprise and service provider customers will find it pertinent to them.

See all 3 customer reviews...

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