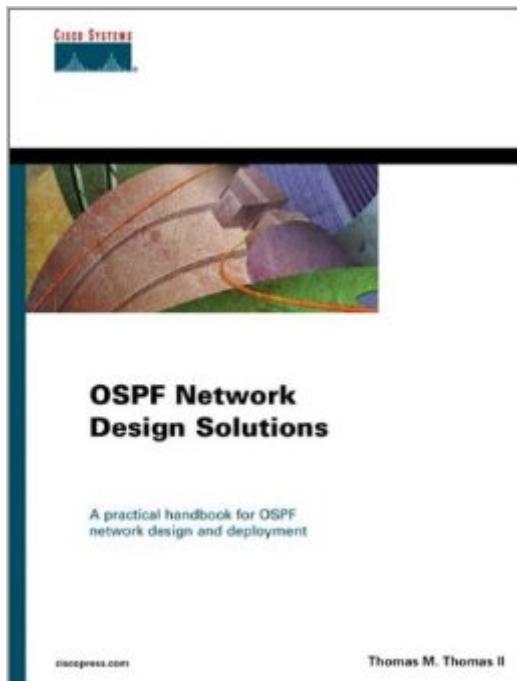


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# OSPF Network Design Solutions



## Synopsis

A practical handbook for OSPF network design and deployment. OSPF Network Design Solutions presents a detailed, applied look into the workings of the popular Open Shortest Path First protocol, demonstrating how to dramatically increase network performance, security, and the ease with which large-scale networks are maintained. OSPF is thoroughly explained through exhaustive coverage of network design, deployment, management, and troubleshooting. The opening chapters cover network foundations, such as IP addressing, routing, various distance vector and link state protocols, and network protocol selection. Subsequent chapters quickly delve into the details of OSPF routing and network design. Advanced design concepts such as OSPF route distribution and OSPF on-demand circuit design are also covered. Later chapters focus on implementation and troubleshooting issues, network design methodology, and configuration details for different network types and area parameters. Finally, you will learn about some established and experimental techniques designed to contend with network growth. Practical case studies support concepts presented throughout the book.

- \*Learn the most effective OSPF network design and deployment solutions
- \*Master OSPF routing and network design issues such as OSPF convergence, area design, route selection, and VLSM
- \*Ensure network management and security through coverage of SNMP, MIBs, and OSPF's inherent security features
- \*Use system logging and debugging commands to monitor and troubleshoot your network
- \*Anticipate solutions to network growth with knowledge of router CPU utilization, OSPF Internet connections, route summarization, router additions, and network expansion with VLSM

## Book Information

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## Customer Reviews

Oddly enough, I like this book. Odd because, usually, when a book is so poorly edited and contains so many contradictions and errors, I just plain don't like it. Even though I do like it, I don't trust it completely. I purchased it originally as a reference about eight months ago and only recently set out to read it carefully from cover to cover. When I did, I discovered that quite often, the text and accompanying diagrams disagree. Values listed in tables for IP address ranges in A, B, C, D and E class networks disagree with the authors text. At one point, the author references a table showing differences between feature-set differences between RIP, IS-IS and OSPF. When I looked at the table, I discovered that every entry in the table said "Yes," indicating that there were \*no\* differences. Why include the table? A diagram intended to show a chronological sequence of events has no sequencing information whatsoever. In fact, the diagram added nothing of value to the discussion. Besides disagreements between text and accompanying tables and diagrams, there are many errors of grammar that confuse the points the author is trying to make, to the degree that I wasn't able to understand what I'd just read, re-read and read yet again. At one point, I stopped reading in disbelief that any editor could have allowed this book into print. I checked the flyleaf and found no fewer than eleven editors listed. Amazing. Eleven people listed as various kinds of editors and not one of them caught the errors. This book reads fairly well; I've learned quite a bit from the author so far (I'm only into chapter four) and, oddly enough, I'm enjoying it in spite of the problems. However, I have to say this looks far more like a rough draft...

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