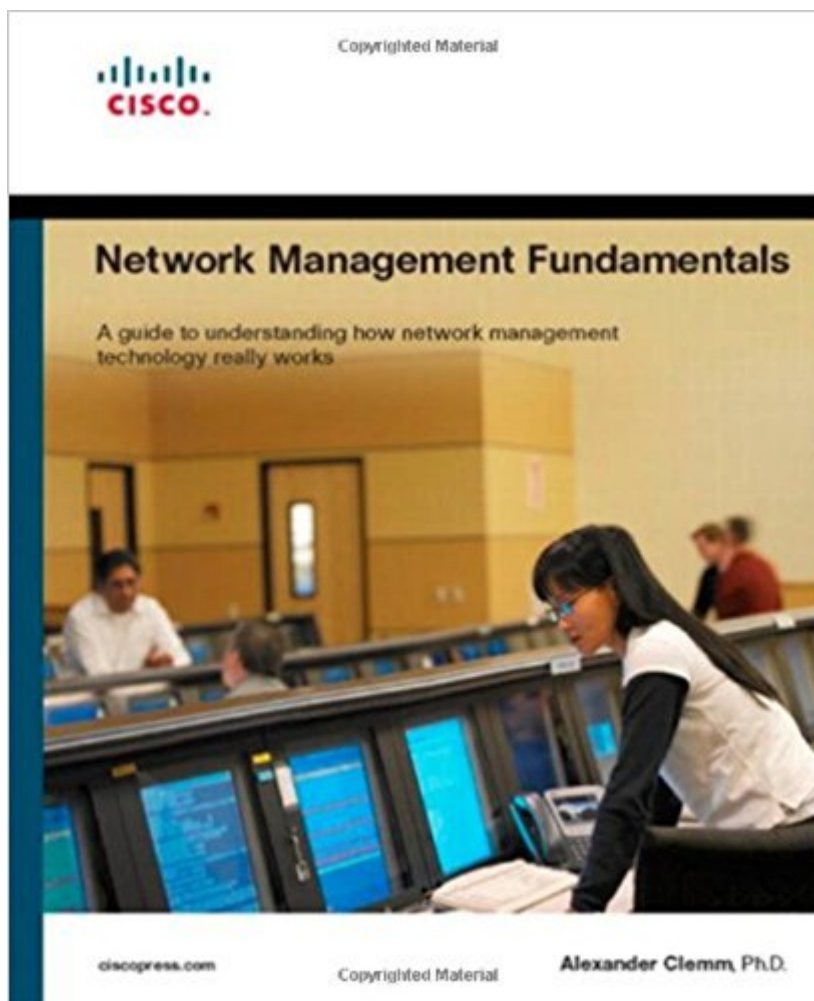


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# Network Management Fundamentals



## Synopsis

Network Management Fundamentals – A guide to understanding how network management technology really works – Alexander Clemm, Ph.D. – Network management is an essential factor in successfully operating a network. As a company becomes increasingly dependent on networking services, keeping those services running is synonymous with keeping the business running. Network Management Fundamentals provides you with an accessible overview of network management covering management not just of networks themselves but also of services running over those networks. – Network Management Fundamentals explains the different technologies that are used in network management and how they relate to each other. The book focuses on fundamental concepts and principles. It provides a solid technical foundation for the practitioner to successfully navigate network management topics and apply those concepts to particular situations. – The book is divided into four parts: Part I provides an overview of what network management is about and why it is relevant. It also conveys an informal understanding of the functions, tools, and activities that are associated with it. Part II examines network management from several different angles, culminating in a discussion of how these aspects are combined into management reference models. Part III provides more detail into different building blocks of network management introduced in Part II, such as management protocols, management organization, and management communication patterns. – Part IV rounds out the book with a number of management topics of general interest, including management integration and service-level management. – Dr. Alexander Clemm is a senior architect with Cisco®. He has been involved with integrated management of networked systems and services since 1990. He has provided technical leadership for many leading-edge network management development, architecture, and engineering efforts from original conception to delivery to the customer, and he has also served as technical program co-chair of the 2005 IFIP/IEEE International Symposium on Integrated Network Management. – – Grasp the business implications of network management Examine different management reference models, such as Fault, Configuration, Accounting, Performance, and Security (FCAPS) Understand the building blocks of network management and their purposes Assess the implications and impact of management technologies and put them in perspective Prepare for decisions about network management that require an understanding of the “big picture” • – – This book is part of the Cisco Press® Fundamentals Series. Books in this series introduce networking professionals to new networking technologies, covering network topologies, example deployment concepts, protocols, and management techniques. – Category: Networking Covers: Network Management –

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## Customer Reviews

"Network Management Fundamentals" A guide to understanding how network management technology really works Alexander Clemm, Ph.D. Network management is an essential factor in successfully operating a network. As a company becomes increasingly dependent on networking services, keeping those services running is synonymous with keeping the business running. Network Management Fundamentals provides you with an accessible overview of network management covering management not just of networks themselves but also of services running over those networks. "Network Management Fundamentals" explains the different technologies that are used in network management and how they relate to each other. The book focuses on fundamental concepts and principles. It provides a solid technical foundation for the practitioner to successfully navigate network management topics and apply those concepts to particular situations. The book is divided into four parts: Part I provides an overview of what network management is about and why it is relevant. It also conveys an informal understanding of the functions, tools, and activities that are associated with it. Part II examines network management from several different angles, culminating in a discussion of how these aspects are combined into management reference models. Part III provides more detail into different building blocks of network management introduced in Part II, such as management protocols, management organization, and management communication patterns. Part IV rounds out the book with a number of management topics of general interest, including management integration and service-level management. Dr. Alexander Clemm is a senior architect with Cisco(R). He has been involved with integrated management of

networked systems and services since 1990. He has provided technical leadership for many leading-edge network management development, architecture, and engineering efforts from original conception to delivery to the customer, and he has also served as technical program co-chair of the 2005 IFIP/IEEE International Symposium on Integrated Network Management. Grasp the business implications of network management Examine different management reference models, such as Fault, Configuration, Accounting, Performance, and Security (FCAPS) Understand the building blocks of network management and their purposes Assess the implications and impact of management technologies and put them in perspective Prepare for decisions about network management that require an understanding of the "big picture" This book is part of the Cisco Press(R) Fundamentals Series. Books in this series introduce networking professionals to new networking technologies, covering network topologies, example deployment concepts, protocols, and management techniques. Category: Networking Covers: Network Management \$55.00 USA / \$69.00 CAN

Dr. Alexander Clemm, Ph.D. is a Senior Architect with Cisco Systems. He has been involved with integrated management of networked systems and services since 1990. Alex has provided technical leadership for many network management development and engineering efforts from original conception to delivery to the customer. They include management instrumentation of network devices, turnkey management solutions for packet telephony and managed services, and management systems for Voice over IP networks, broadband access networks, and provisioning of residential subscriber services. Alex has approximately 30 publications related to network management and 15 patents pending. He is on the Organizing Committee or Technical Program Committee of the major technical conferences in the field, including IM, NOMS, DSOM, IPOM, and MMNS, and he served as Technical Program Co-chair of the 2005 IFIP/IEEE International Symposium on Integrated Network Management. He holds a Ph.D. degree from the University of Munich and a Master's degree from Stanford University. Â

Good book for the class, but I am sure it is getting dated by now.

Not as informative as I'd hoped. Most of it is very basic knowledge. No reason to make this a benchmark for learning. Very general knowledge.

Covers the subject

Needed this for my networking class. Great book

I am a slow reader and this helped me prepare for a rescheduled class in school! Thank you kindly, folks!

This was a required textbook for one of my graduate classes. It was a great networking fundamentals book for Cisco. I still have it.

Outstanding price!! I could not believe I got a book in such excellent condition for so cheap! It was mailed quickly and packaged perfectly. I highly recommend this book as well. This is another great book from Cisco Press and there is a lot of information present as always in a Cisco book. I would highly suggest multiple readings if you do not have a good background with Networking or with Cisco equipment. Another reason that Cisco is a leader in education and the enterprise community.

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