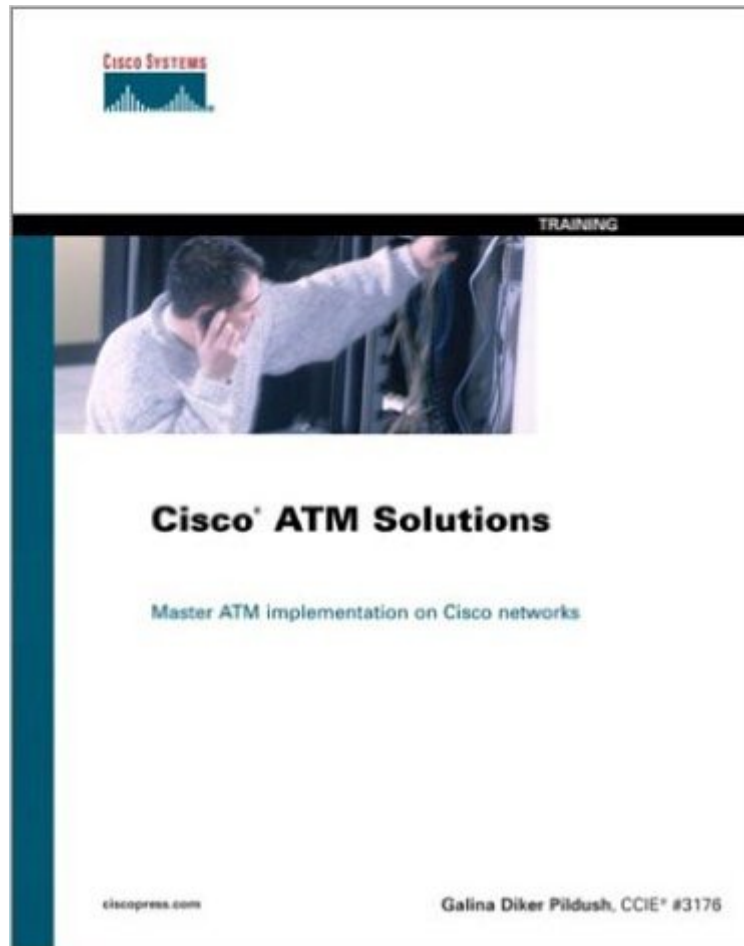# CISCO ATM Solutions: Master ATM Implementation Of Cisco Networks

Synopsis

Master ATM implementation on Cisco networks Asychronous Transfer Mode (ATM), an internationally standardized, integrated solution for all traffic types-voice, data, and video-provides a scalable, high-speed network architecture ideal for today's constantly evolving multimedia technologies and the demands that come with that evolution. With the current convergence of IP and ATM networks and applications, the flexibility of Campus and WAN implementation, and an architecture that provides a perfect fit for the integration of voice and data networks, ATM has established itself as a viable technology for the long term. However, ATM is also one of the least understood networking technologies available today. Cisco ATM Solutions provides the information necessary to understand, design, deploy, and configure multifunctional ATM networks. Derived in part from the official Cisco instructor-led course, Cisco Campus ATM Solutions, and updated and enhanced with technology advancements and tested lab scenarios, Cisco ATM Solutions provides you with a practical, easy-to-understand explanation of the complex principles of ATM technology and its internetworking methods. Beyond obtaining knowledge for the CCIE(r) lab, this book educates you on ATM concepts that can be applied to any vendor. Cisco ATM Solutions establishes a foundation with a basic understanding of ATM networking concepts and terminology and follows through with a wealth of configuration examples and hands-on scenarios that enable you to master configuration of Cisco ATM router interfaces, LightStream(r) 1010 ATM switches, and LAN Emulation (LANE) services. Cisco ATM Solutions is your definitive self-study resource for understanding ATM and how to implement it as your networking solution. *Master the fundamental concepts of ATM, including the ATM reference model, ATM traffic and network management, LANE, and MPOA *Learn the functionality and implementation of ATM-associated features by Cisco ATM edge devices with a focus on ATM interfaces, circuit emulation services, multiprotocol encapsulation, Classical IP and ARP over ATM, NHRP, and LANE and MPOA implementation *Understand how to implement the ATM cloud itself through detailed information on the features, functions, and configuration of Cisco's campus ATM switch-the LightStream 1010 *Apply the concepts you've learned through a detailed series of labs concentrating on LANE, MPOA, LightStream 1010 configuration, and other ATM-associated features Cisco Systems(r), Inc., is the leading global supplier of internetworking solutions, including routers, LAN and ATM switches, dial-up access servers, and network management software. The core of this book is a collaboration of multiple authors and experts to develop the ultimate and definitive course in ATM. Galina Diker Pildush, CCIE #3176, CCSI(tm), is the President and a Senior Consultant at Advanced Communications Experts (ACE), Inc. She provides training and course development for Global

Knowledge Network, Inc., the largest Cisco Learning Partner in the world.

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Customer Reviews

Ms. Pildush both loves ATM, and believes in it. However, she is also a realist, and clearly aware of how well positioned ATM's competitors are. I found this highly technical book hard to put down, because it articulated a viewpoint. In an understated and very professional way she makes a strong case for ATM vs. Gigabit Ethernet, and ATM vs. IP over Sonet.Still, there were a couple of minor disappointments. Firstly, I didn't get a clear picture of the physical network landscape. I would like someone to draw a map--either a nationwide or global map--that lays out existing wide area networks (ATM, Frame Relay, etc.), and clearly shows what their role is. Secondly, although she does say she prefers ATM as the protocol for DSL, there's almost no discussion of DSL. If ATM becomes the protocol of choice for ADSL, and Ethernet for cable modems, wouldn't the total amount of data strongly affect the overall competition?There's discussion of enumerable routers (why am I not surprised?), and many details (standards, layered architectures, etc.), but even with all the detail, the material seems effortlessly presented, and is easily understood. On balance, a fine job.

I was thrown into a situation a week ago where I need to come up to speed very quickly in ATM topologies. Cisco ATM Solutions answered all of my questions.The step-by-step introduction to the

ATM design made for easy for me to brush-up on ATM principals, and the back of the book with actual designs was great.This book is perfect for the first time ATM'er as well as the seasoned CCIE. A must have in anyone's telephony technology libary.

ATM is a huge topic and this book does a good job of presenting the fundamentals and the most important things. It has numerous excellent labs, but it is too bad I don't have the expensive ATM hardware to practice them on. Nonetheless, this book presents the material in an easy to read fashion as opposed to the ATM Forum page.

After purchasing this book a year ago, I am about 400 pages in and totally frustrated. It is like a collection of white papers about ATM theory. Sure, good info, but I want to know how to IMPLEMENT and design ATM networks. The writing style is awful -ex. "the partner agrees on this, that, and the other stuff" (pg. 140). The English usage is suspect at best, leaving the reader with impression that a number of writers had their hands on this one, and that many had English as a second language. While there is some good info in here, as well as some lab exercises, a solid, well-written book on ATM has yet to appear. After about 500 pages of this, you won't even consider putting this technology into your WAN -it comes accross as an administrative nightmare, obtuse, arcane, and altogether incomprehensible.

Nicely written & very informative.Though I was left with a lot of knowledge of the terms / build up of ATM ... I just did not get a real good enough 'grip' on this subject by reading this book !! Considering the reviews that this book already has from other readers, I'm sure I must be just the exception !!

Having had the benefit of having Galina be my instructor for my CCIE boot camp class, I was impressed right from the start! I walked in a pretty Vanilla NP/DP. 2 weeks when I stepped out of that classroom I had felt my skills and knowledge multiply by 3-4x. That is exactly what you will get from this book. You "WILL" be able to walk out to a customer site and not only pitch ATM and sell them on it, but also have the confidence to design, configure, and T.S. ATM if need be. This book gets brought along with my Cisco LAN Switching book now as part of my reference library when I am working on projects. It is also a very integral part of my library. My only complaint is WHY WASN'T THIS RELEASED 2 YEARS AGO??? Keep up the good work Galina, your an invaluable asset to the Cisco community and to the Networking community as a whole!

In 1997 I found myself configuring an ATM/SONET based WAN, with no documentation to turn to other than forum White Papers. What I would have given for this book then!Having read a number of ATM books now, I can say that this is one of the better ones. The writing is relatively clear, and it moves quickly from topic to topic. In addition to the 560+ pages of core text, the book has hundreds of pages of lab exercises and with detailed solutions, and a thick glossary.On the whole this book isn't so golden that I would rank it among the crown jewels of Cisco Press (i.e. the Routing TCP/IP series) but it is a solid book, and covers precisely what the title suggests that it does. If you had to read just ONE book on ATM, you could do worse than to pick this one.

CISCO ATM Solutions: Master ATM Implementation of Cisco Networks Cisco Self-Study: Building Cisco Metro Optical Networks (METRO) QoS and Traffic Management in IP and ATM Networks High-Speed Networks TCP/IP and ATM Design Principles Cisco CCNA Networking for Beginners: The Ultimate Beginners Crash Course to Learn Cisco Quickly and Easily Cisco CCENT Networking for Beginners: The Ultimate Beginners Crash Course to Learn Cisco Quickly and Easily Cisco Catalyst(R) QoS: Quality of Service in Campus Networks SSFIPS Securing Cisco Networks with Sourcefire Intrusion Prevention System Study Guide: Exam 500-285 Implementing Cisco IP Switched Networks (SWITCH) Foundation Learning Guide: Foundation learning for SWITCH 642-813 (Foundation Learning Guides) Asap Implementation at the Speed of Business: Implementation at the Speed of Business MCTS Self-Paced Training Kit (Exam 70-432): MicrosoftÃ Â® SQL ServerÃ Â® 2008 - Implementation and Maintenance: Microsoft SQL Server 2008--Implementation and Maintenance (Microsoft Press Training Kit) Deep Learning: Natural Language Processing in Python with Recursive Neural Networks: Recursive Neural (Tensor) Networks in Theano (Deep Learning and Natural Language Processing Book 3) Master Planning Success Stories: How Business Owners Used Master Planning to Achieve Business, Financial, and Life Goals (The Master Plan Book 2) Java for the Web with Servlets, JSP, and EJB: A Developer's Guide to J2EE Solutions: A Developer's Guide to Scalable Solutions AutoLISP to Visual LISP: Design Solutions: Design Solutions for AutoCAD 2000 (Autodesk's Programmer Series) Exam Ref 70-331 Core Solutions of Microsoft SharePoint Server 2013 (MCSE): Core Solutions of Microsoft SharePoint Server 2013 Microsoft SharePoint 2013 Designing and Architecting Solutions: Designing and Architecting Solutions ATM: Theory and Application (Mcgraw-Hill Series on Computer Communications) Isdn and Broadband Isdn With Frame Relay and Atm Broadband Networking ATM, Adh and SONET (Artech House Telecommunications Library)