

## **Application Acceleration And Wan Optimization Fundamentals Ccie No 15311 Christner Joel**

The complete guide to Cisco® IWAN: features, benefits, planning, and deployment Using Cisco Intelligent WAN (IWAN), businesses can deliver an uncompromised experience, security, and reliability to branch offices over any connection. Cisco IWAN simplifies WAN design, improves network responsiveness, and accelerates deployment of new services. Now, there ' s an authoritative single-source guide to Cisco IWAN: all you need to understand it, design it, and deploy it for maximum value. In Cisco Intelligent WAN (IWAN), leading Cisco experts cover all key IWAN technologies and components, addressing issues ranging from visibility and provisioning to troubleshooting and optimization. They offer extensive practical guidance on migrating to IWAN from your existing WAN infrastructure. This guide will be indispensable for all experienced network professionals who support WANs, are deploying Cisco IWAN solutions, or use related technologies such as DMVPN or PfR. Deploy Hybrid WAN connectivity to increase WAN capacity and improve application performance Overlay DMVPN on WAN transport to simplify operations, gain transport independence, and improve VPN scalability Secure DMVPN tunnels and IWAN routers Use Application Recognition to support QoS, Performance Routing (PfR), and

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application visibility Improve application delivery and WAN efficiency via PfR Monitor hub, transit, and branch sites, traffic classes, and channels Add application-level visibility and per-application monitoring to IWAN routers Overcome latency and bandwidth inefficiencies that limit application performance Use Cisco WAAS to customize each location ' s optimizations, application accelerations, and virtualization Smoothly integrate Cisco WAAS into branch office network infrastructure Ensure appropriate WAN application responsiveness and experience Improve SaaS application performance with Direct Internet Access (DIA) Perform pre-migration tasks, and prepare your current WAN for IWAN Migrate current point-to-point and multipoint technologies to IWAN

This IBM® Redbooks® publication is an IBM and Cisco collaboration that articulates how IBM and Cisco can bring the benefits of their respective companies to the modern data center. It documents the architectures, solutions, and benefits that can be achieved by implementing a data center based on IBM server, storage, and integrated systems, with the broader Cisco network. We describe how to design a state-of-the art data center and networking infrastructure combining Cisco and IBM solutions. The objective is to provide a reference guide for customers looking to build an infrastructure that is optimized for virtualization, is highly available, is interoperable, and is efficient in terms of power and space consumption. It will explain the technologies used to build the infrastructure, provide use cases, and give guidance on

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deployments.

Application Acceleration and WAN Optimization Fundamentals Cisco Systems

CCIE and CCDE Evolving Technologies Study Guide

Internet Communication

Enterprise Level Security

A Software Optimization Guide to the User Space-Based Network Applications

Private Cloud Computing

*This book brings together the insights and practical experience of some of the most experienced Data Plane Development Kit (DPDK) technical experts, detailing the trend of DPDK, data packet processing, hardware acceleration, packet processing and virtualization, as well as the practical application of DPDK in the fields of SDN, NFV, and network storage. The book also devotes many chunks to exploring various core software algorithms, the advanced optimization methods adopted in DPDK, detailed practical experience, and the guides on how to use DPDK.*

*A resource for information executives, the online version of CIO offers executive programs, research centers, general discussion forums, online information technology links, and reports on information technology issues.*

*IT organizations face pressure to increase productivity, improve application performance, support global collaboration, improve data protection, and minimize costs. In today's WAN-centered environments, traditional LAN-oriented infrastructure approaches are insufficient to meet these goals. Application Acceleration and WAN Optimization Fundamentals introduces a better solution:*

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*integrating today's new generation of accelerator solutions to efficiently and effectively scale networks beyond traditional capabilities while improving performance and minimizing costs through consolidation. Ted Grevers and Joel Christner begin by reviewing the challenges network professionals face in delivering applications to globally distributed workforces. You learn how accelerators are transforming application business models, enabling IT departments to centralize and consolidate resources while also delivering consistently superior performance. Grevers and Christner show how to identify network consumers, prioritize traffic, and guarantee appropriate throughput and response times to business-critical applications. You learn how to use quality of service techniques such as packet classification and marking and traffic policing, queuing, scheduling, and shaping. Next, you compare options for integrating accelerators and optimization services into your network and for optimizing content delivery. The authors show how to address application protocol-related performance problems that cannot be resolved through compression or flow optimization alone. In the final chapter, the authors walk you through several real-world scenarios for utilizing accelerator technology. Ted Grevers, Jr., is the solution manager for the Cisco® Video IPTV Systems Test and Architecture (C-VISTA) team. He has extensive experience in the content delivery network (CDN) market, focusing on enterprise and service provider content delivery and application optimization needs. Joel Christner, CCIE® No. 15311, is the manager of technical marketing for the Cisco Application Delivery Business Unit (ADBU). He has extensive experience with application protocols, acceleration technologies, LAN/WAN infrastructure, and storage networking. Grevers and Christner are key contributors to the design and architecture of*

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*Cisco application delivery and application acceleration solutions. Provide high-performance access to remote data, content, video, rich media, and applications Understand how accelerators can improve network performance and minimize bandwidth consumption Use NetFlow to baseline application requirements and network utilization Ensure network resources are allocated based on business priorities Identify performance barriers arising from networks, protocols, operating systems, hardware, file systems, and applications Employ application-specific acceleration components to mitigate the negative impact of latency and bandwidth consumption Integrate content delivery networks (CDN) to centrally manage the acquisition, security, and distribution of content to remote locations Leverage WAN optimization technologies to improve application throughput, mitigate the impact of latency and loss, and minimize bandwidth consumption Optimize the performance of WANs and business-critical WAN applications This book is part of the Cisco Press® Fundamentals Series. Books in this series introduce networking professionals to new networking technologies, covering network topologies, sample deployment concepts, protocols, and management techniques. Category: Cisco Press/Networking Covers: Network Optimization Application Acceleration and WAN Optimization Fundamentals Network Magazine*

*Implementing Cisco IOS Network Security (IINS)  
Deploying Cisco Wide Area Application Services*

**Implement advanced WAN optimization, application acceleration, and**

**branch virtualization with Cisco WAAS 4.1 This book brings together all the information you need to design and deploy scalable, transparent application acceleration, WAN optimization, and branch virtualization solutions with dramatically improved Wide Area Application Services (WAAS) 4.1 products from Cisco®. Cisco WAAS insiders Joel Christner, Zach Seils, and Nancy Jin systematically cover new WAAS software enhancements that enable far better performance, simplified workflow, and improved manageability. They introduce powerful new solution components including application-specific acceleration techniques, hardware form factors, and virtualization. They also thoroughly explain recent architectural improvements that provide a solid foundation for future WAAS solutions. The authors begin by reviewing the underlying technologies that comprise today's Cisco WAAS solution. Next, drawing on extensive personal experience, they walk through collecting requirements, designing effective solutions, integrating WAAS into existing networks, and configuring WAAS 4.1 software. This book is replete with real-world implementation examples and case studies—including extensive coverage of network, branch office, and data**

**center integration. One step at a time, you'll learn how to deploy Cisco WAAS in a scalable, transparent, and seamless fashion: one that addresses both your business and technical challenges. Thoroughly understand WAAS 4.1's capabilities, and learn how to use and manage it effectively Understand both the Cisco WAAS appliance and router-integrated network module hardware family Quickly deploy WAAS in lab or production pilot environments to quantify its potential benefits Size, design, and deploy Cisco WAAS for maximum performance and value in your enterprise network Compare and select design options for branch office and data center network integration Deploy the WAAS Central Manager and accelerator WAAS devices Implement centralized authentication, authorization, alarm management, monitoring, and reporting Configure WAN optimization with the Application Traffic Policy Manager Configure, verify, and manage application acceleration Leverage WAAS 4.1's powerful new branch office virtualization capabilities Quickly troubleshoot WAAS problems using Cisco's own best practices This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient**

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

**WAN optimization products seek to accelerate a broad range of applications accessed by distributed enterprise users via eliminating redundant transmissions, staging data in local caches, compressing and prioritizing data, and streamlining chatty protocols (e.g., CIFS). WAN optimization also helps avoid packet delivery issues common in shared WAN environments, like MPLS and Internet VPNs. Component techniques of WAN Optimization include deduplication, WAFS, CIFS proxy, HTTPS Proxy, media multicasting, Web caching, Forward Error Correction (FEC), and bandwidth management. This book is your ultimate resource for WAN Optimization Services. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about WAN Optimization Services right away, covering: WAN optimization, AppEx Networks, ApplianSys, Aryaka, Autonomic Networking, Expand Networks, Ipanema Technologies, Radware, Riverbed Technology, Silver Peak Systems, TCP acceleration, Cisco WAAS, Alberta SuperNet,**



**Antilles Crossing, ARCOS-1, Athens Internet Exchange, AUSTPAC, Automatic Digital Network, Bi-State Optical Network, BITNET, CAVNET, CERNET, ChinaNet, Coloured Book protocols, CSNET, Data Transmission Network, Datakit, DATAPAC, Defense Data Network, Defense Research and Engineering Network, Dnsmux, Dynamic circuit network, EASSy (cable system), ERC Broadband, ERNET, Global Telecom & Technology, IBM VNET, IEC 61334, Intelink, Intergalactic Computer Network, Internet exchange point, JANET, JANET NRS, Joint Worldwide Intelligence Communications System, List of Internet exchange points by size, Microwave Bypass, MILNET, NABU Network, NASA Research and Engineering Network, National Science Foundation Network, NATO CRONOS, NIPRNet, Open Source Information System, Open Transport Network, RIPR, SIMNET, SIPRNet, TechNet (computer network), Teleprocessing monitor, Telx Internet Exchange, High Performance Computing Wales, Wide area application services, Wide area file services, Wide area network, Wireless WAN, X.25, X.75 This book explains in-depth the real drivers and workings of WAN Optimization Services. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare**

**your understanding of WAN Optimization Services with the objectivity of experienced professionals.**

**IT organizations face pressure to increase productivity, improve application performance, support global collaboration, improve data protection, and minimize costs. In today's WAN-centered environments, traditional LAN-oriented infrastructure approaches are insufficient to meet these goals. Application Acceleration and WAN Optimization Fundamentals introduces a better solution: integrating today's new generation of accelerator solutions to efficiently and effectively scale networks beyond traditional capabilities while improving performance and minimizing costs through consolidation. Ted Grevers and Joel Christner begin by reviewing the challenges network professionals face in delivering applications to globally distributed workforces. You learn how accelerators are transforming application business models, enabling IT departments to centralize and consolidate resources while also delivering consistently superior performance. Grevers and Christner show how to identify network consumers, prioritize traffic, and guarantee appropriate throughput and response times to business-critical applications. You learn how to**

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## **The Competitive Edge in Business Technology**

### **InfoWorld**

### **F & S Index United States Annual**

### **Advances in Communications, Computing, Electronics, Networks, Robotics and Security Volume 12**

### **IBM and Cisco: Together for a World Class Data Center**

Enterprise Level Security: Securing Information Systems in an Uncertain World provides a modern alternative to the fortress approach to security. The new approach is more distributed and has no need for passwords or accounts. Global attacks become much more difficult, and losses are localized, should they occur. The security approach is derived fro

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Hoover's Handbook of Emerging Companies provides companies information.

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Informationweek

The Shortcut Guide to Optimized WAN Application Delivery  
Advanced Content Delivery, Streaming, and Cloud Services  
Data Plane Development Kit (DPDK)

Hoover's Handbook of Emerging Companies 2008

**Designing Networks and Services for the Cloud Delivering business-grade cloud applications and services A rapid, easy-to-understand approach to delivering a secure, resilient, easy-to-manage, SLA-driven cloud experience** Designing Networks and Services for the Cloud helps you understand the design and architecture of networks and network services that enable the delivery of business-grade cloud services. Drawing on more than 40 years of experience in network and cloud design, validation, and deployment, the authors demonstrate how networks spanning from the Enterprise branch/HQ and the service provider Next-Generation Networks (NGN) to the data center fabric play a key role in addressing the primary inhibitors to cloud adoption—security, performance, and management complexity. The authors first review how virtualized infrastructure lays the foundation for the delivery of cloud services before delving into a primer on clouds, including the management of cloud

**services. Next, they explore key factors that inhibit enterprises from moving their core workloads to the cloud, and how advanced networks and network services can help businesses migrate to the cloud with confidence. You'll find an in-depth look at data center networks, including virtualization-aware networks, virtual network services, and service overlays. The elements of security in this virtual, fluid environment are discussed, along with techniques for optimizing and accelerating the service delivery. The book dives deeply into cloud-aware service provider NGNs and their role in flexibly connecting distributed cloud resources, ensuring the security of provider and tenant resources, and enabling the optimal placement of cloud services. The role of Enterprise networks as a critical control point for securely and cost-effectively connecting to high-performance cloud services is explored in detail before various parts of the network finally come together in the definition and delivery of end-to-end cloud SLAs. At the end of the journey, you preview the exciting future of clouds and network services, along with the major upcoming trends. If you are a technical professional or manager who must design, implement, or operate cloud or NGN solutions in enterprise or service-provider environments, this guide will be an indispensable resource. \* Understand**

**how virtualized data-center infrastructure lays the groundwork for cloud-based services \* Move from distributed virtualization to “IT-as-a-service” via automated self-service portals \* Classify cloud services and deployment models, and understand the actors in the cloud ecosystem \* Review the elements, requirements, challenges, and opportunities associated with network services in the cloud \* Optimize data centers via network segmentation, virtualization-aware networks, virtual network services, and service overlays \* Systematically secure cloud services \* Optimize service and application performance \* Plan and implement NGN infrastructure to support and accelerate cloud services \* Successfully connect enterprises to the cloud \* Define and deliver on end-to-end cloud SLAs \* Preview the future of cloud and network services**

**Powerful Earthquake Triggers Tsunami in Pacific. Hurricane Isaac Makes Landfall in the Gulf Coast. Wildfires Burn Hundreds of Houses and Businesses in Colorado. Tornado Touches Down in Missouri. These headlines not only have caught the attention of people around the world, they have had a significant effect on IT professionals as well. The new 2nd Edition of Business Continuity and Disaster Recovery for IT Professionals gives you the most up-to-date planning and risk management techniques**



**for business continuity and disaster recovery (BCDR). With distributed networks, increasing demands for confidentiality, integrity and availability of data, and the widespread risks to the security of personal, confidential and sensitive data, no organization can afford to ignore the need for disaster planning. Author Susan Snedaker shares her expertise with you, including the most current options for disaster recovery and communication, BCDR for mobile devices, and the latest infrastructure considerations including cloud, virtualization, clustering, and more. Snedaker also provides you with new case studies in several business areas, along with a review of high availability and information security in healthcare IT. Don't be caught off guard—Business Continuity and Disaster Recovery for IT Professionals, 2nd Edition , is required reading for anyone in the IT field charged with keeping information secure and systems up and running. Complete coverage of the 3 categories of disaster: natural hazards, human-caused hazards, and accidental / technical hazards Extensive disaster planning and readiness checklists for IT infrastructure, enterprise applications, servers and desktops Clear guidance on developing alternate work and computing sites and emergency facilities Actionable advice on emergency readiness and**

**response Up-to-date information on the legal implications of data loss following a security breach or disaster**

**Accelerator optimization requires detailed study of many parameters, indicating the need for remote control and automated data acquisition systems. A control and data acquisition system based on a network of commodity PCs and applications with standards based inter-application communication is being built for the I'OASIS accelerator facility. This system allows synchronous acquisition of data at high (> 1 Hz) rates and remote control of the accelerator at low cost, allowing detailed study of the acceleration process.**

**Business Continuity and Disaster Recovery Planning for IT Professionals  
Designing Networks and Services for the Cloud**

**Cisc Inte Wide Area Netw**

**Standard & Poor's Stock Reports**

**Computerworld**

A comprehensive guide to designing and deploying Cisco WAN services for scalable, transparent application acceleration and WAN optimization.

This book is the twelfth in a series presenting research papers arising from MSc/MRes research projects undertaken by students of the School of Computing and

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Mathematics at Plymouth University. The publications in this volume are based upon research projects that were undertaken during the 2013/14 academic year. A total of 17 papers are presented, covering many aspects of modern networking and communication technology, including security, mobility, coding schemes and quality measurement. The expanded topic coverage compared to earlier volumes in this series reflects the broadening of our range of MSc programmes. Specifically contributing programmes are: Communications Engineering and Signal Processing, Computer and Information Security, Computer Science, Computing, Electrical and Electronic Engineering, Network Systems Engineering, and Robotics.

Implementing Cisco IOS Network Security (IINS) is a Cisco-authorized, self-paced learning tool for CCNA® Security foundation learning. This book provides you with the knowledge needed to secure Cisco® routers and switches and their associated networks. By reading this book, you will gain a thorough understanding of how to troubleshoot and monitor network devices to maintain integrity, confidentiality, and availability of data and devices, as well as the technologies that Cisco uses in its security infrastructure. This book focuses on the necessity of a comprehensive security policy and how it affects the posture of the network. You will learn how to perform basic tasks to secure a small branch type office network using Cisco IOS® security features available through the Cisco Router and Security Device Manager (SDM) web-based graphical user interface (GUI) and through the command-line

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interface (CLI) on Cisco routers and switches. The author also provides, when appropriate, parallels with Cisco ASA appliances. Whether you are preparing for CCNA Security certification or simply want to gain a better understanding of Cisco IOS security fundamentals, you will benefit from the information provided in this book. Implementing Cisco IOS Network Security (IINS) is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). Develop a comprehensive network security policy to counter threats against information security Configure routers on the network perimeter with Cisco IOS Software security features Configure firewall features including ACLs and Cisco IOS zone-based policy firewalls to perform basic security operations on a network Configure site-to-site VPNs using Cisco IOS features Configure IPS on Cisco network routers Configure LAN devices to control access, resist attacks, shield other network devices and systems, and protect the integrity and confidentiality of network traffic This volume is in the Certification Self-Study Series offered by Cisco Press®. Books in this series provide officially developed self-study solutions to help networking professionals understand technology implementations and prepare for the Cisco Career Certifications examinations.

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Network Performance Enhancement Using QoS, TCP Optimization, Application Acceleration and Dynamic Resource Allocation Techniques

Software-Defined Wide Area Network Architectures and Technologies

The Essential Guide to Telecommunications

New York Stock Exchange, American Stock Exchange, Nasdaq Stock Market and regional exchanges

The Deal

**This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Design and deploy Cisco WAN optimization and application acceleration solutions for the enterprise WAN Today, IT organizations are increasingly squeezed by competing demands. They must support more distributed users who demand greater availability and performance. They must protect their digital assets with far more robust security. And they must do it all while gaining far greater control over cost. Distributing IT resources increases management, hardware, a.**

**Chapter 1 -- Next-Generation IT Trends -- Layers of Function: The Service-Oriented Infrastructure Framework -- Blocks of Function: The Cloud Modules -- Cloud Computing Characteristics -- Computing Taxonomy --**

**Chapter 2 -- Next-Generation Data Center Architectures and Technologies --  
The Data Center Consolidation and Virtualization Modus Operandi -- Server  
Consolidation Drivers -- Server Virtualization -- Storage Virtualization --  
Layer 2 Evolutions -- Unified Data Center Fabric -- Chapter 3 -- Next-  
Generation WAN and Service Integration -- Service Integration in the Data  
Center -- Infrastructure Segmentation -- The Next-Generation Enterprise  
WAN -- Chapter 4 -- Branch Consolidation and WAN Optimization -- What is  
the WAN performance challenge? -- WAN Optimization Benefits --  
Requirements for WAN Optimization Deployment -- Remote Office  
Virtualization Designs -- Chapter 5 -- Session Interception Design and  
Deployment -- Selecting an Interception Mechanism -- The WCCP Dive -- In-  
path Dep ...**

**Accompanying CD-ROM contains more than 450 practice questions for the  
exam, memory table exercises, answer keys, and a study planner tool.**

**WAN Optimization Services**

**High-Impact Technology - What You Need to Know: Definitions, Adoptions,  
Impact, Benefits, Maturity, Vendors**

**Consolidation, Virtualization, and Service-oriented Infrastructure**

**CCNA Data Center DCICT 640-916 Official Cert Guide**

## **Cisco CCNA Data Center DCICT 640-916 Official Certification Guide**

***This book on performance fundamentals covers UNIX, OpenVMS, Linux, Windows, and MVS. Most of the theory and systems design principles can be applied to other operating systems, as can some of the benchmarks. The book equips professionals with the ability to assess performance characteristics in unfamiliar environments. It is suitable for practitioners, especially those whose responsibilities include performance management, tuning, and capacity planning. IT managers with a technical outlook also benefit from the book as well as consultants and students in the world of systems for the first time in a professional capacity. Prepare for the evolving technology components of Cisco's revised CCIE and CCDE written exams The changes Cisco made to its expert-level CCIE and CCDE certifications allow candidates to link their core technology expertise with knowledge of evolving technologies that organizations are rapidly adopting, including cloud services, IoT networking, and network programmability. This guide will help you efficiently master and integrate the knowledge of evolving technology that you'll need to succeed on the revised CCIE and CCDE written examinations. Designed to help you efficiently focus your study, achieve mastery, and build confidence, CCIE and CCDE Evolving Technologies Study Guide focuses on conceptual insight, not mere memorization. Focused specifically on the exams' evolving technologies components, it combines with track-specific Cisco***

***Press certification guides to offer comprehensive and authoritative preparation for advanced Cisco certification. Understand the Internet of Things (IoT) from the perspective of business transformations, connectivity, and security Review leading IoT architectural models and applications Structure edge, fog, and centralized compute to maximize processing efficiency Recognize behavioral and operational differences between IoT networks and enterprise networks Gain a holistic understanding of public, private, or hybrid cloud environments that use VMs or containers Explore cloud service models, connectivity, security, scalability, and high availability designs. Master modern API-based programmability and automation methods for interacting with diverse network applications and devices Connect with the Cisco DevNet developer community and other key resources for Cisco network programming***

***CCNA Data Center DCICT 640-916 Official Cert Guide CCNA Data Center DCICT 640-916 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. A team of leading Cisco data center experts shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete, official study package includes --A test-preparation routine proven to help you pass the exam --“Do I Know This Already?”***



**quizzes, which enable you to decide how much time you need to spend on each section --Part-ending exercises, which help you drill on key concepts you must know thoroughly --The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports --Study plan suggestions and templates to help you organize and optimize your study time --A final preparation chapter that guides you through tools and resources to help you craft your review and test-taking strategies Well regarded for its level of detail, study plans, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. The official study guide helps you master topics on the CCNA Data Center DCICT 640-916 exam, including --Cisco data center concepts: architectures, devices, layers, modular design, vPC, FabricPath, Cisco Nexus switches, and more --Data center unified fabric: FCoE, multihop, VIFs, FEX, and setup --Storage networking: concepts, targets, verification, connectivity, zoning, setup, and configuration --Data center virtualization: servers, devices, and Nexus 1000V, including setup and operations --Cisco Unified Computing: concepts, discovery, connectivity, setup, and UCSM --Data center network services: ACE load balancing, virtual context, HA, management, global/local solutions, and WAAS The CD-ROM contains more than 450 practice questions for the exam, memory**

**table exercises and answer keys, and a study planner tool. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), Windows 7, or Windows 8; Microsoft .NET Framework 4.0 Client; Pentium class 1GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases**

**(CCNA Security exam 640-553) (Authorized Self-Study Guide)**

**High-Performance IT Services**

**Securing Information Systems in an Uncertain World**

**Business Periodicals Index**

**CIO.**

*The Laboratory Manual to Accompany Auditing IT Infrastructure for Compliance is the lab companion to Weiss' Auditing IT Infrastructure for Compliance. It provides hands-on exercises, each with measurable learning outcomes. About the Series Visit [www.issaseries.com](http://www.issaseries.com) for a complete look at the series! The Jones & Bartlett Learning Information System & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current, forward-thinking*

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*resources that enable readers to solve the cybersecurity challenges of today and tomorrow.*

*InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.*

*While other books on the market provide limited coverage of advanced CDNs and streaming technologies, concentrating solely on the fundamentals, this book provides an up-to-date comprehensive coverage of the state-of-the-art advancements in CDNs, with a special focus on Cloud-based CDNs. The book includes CDN and media streaming basics, performance models, practical applications, and business analysis. It features industry case studies, CDN applications, and open research issues to aid practitioners and researchers, and a market analysis to provide a reference point for commercial entities. The book covers Adaptive Bitrate Streaming (ABR), Content Delivery Cloud (CDC), Web Acceleration, Front End Optimization (FEO), Transparent Caching, Next Generation CDNs, CDN Business Intelligence and more. Provides an in-depth look at Cloud-based CDNs Includes CDN and streaming media basics and tutorials Aimed to instruct systems architects, practitioners, product developers, and researchers Material is divided into introductory subjects, advanced content, and specialist areas*

*Auditing IT Infrastructures for Compliance*

*Hoover's Handbook of Emerging Companies 2006*

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*Delivering business-grade cloud applications and services  
Accelerator Optimization Using a Network Control and Acquisition System  
Cisco Intelligent WAN (IWAN)*

**Starting with problems and challenges faced by enterprise WANs, Software-Defined Wide Area Network Architectures and Technologies provides a detailed description of SD-WAN's background and basic features, as well as the system architecture, operating mechanism, and application scenarios of the SD-WAN solution based on the implementation of Huawei SD-WAN Solution. It also explains key SD-WAN technologies and analyzes real SD-WAN deployment cases, affording readers with design methods and deployment suggestions for the SD-WAN solution. The information presented in this book is easy to understand and very practical. It enables you to become adept in the SD-WAN solution's implementation and design principles. The book is intended for ICT practitioners, such as network technical support engineers, network administrators, and network planning engineers, to use in studying theory. Furthermore, it serves as reference material for network technology enthusiasts. Authors Cheng Sheng is the Chief Architect of Huawei's SD-WAN Solution. He has nearly 20 years of experience in network product and solution design, as well as extensive expertise in product design and development, network planning and design, and network engineering project implementation. Jie Bai is an**

**Architect of Huawei's SD-WAN Solution. He is well versed in Huawei security products and SD-WAN Solution and has written books such as Huawei Firewall Technology Talk as well as Huawei Anti-DDoS Technology Talk. Qi Sun is a Senior Information Architect of Huawei, and he is knowledgeable in Huawei SD-WAN Solution, CloudVPN Solution, and Cloud Management Solution. He also participated in the information architecture design and delivery of multiple solutions.**

**Discusses the basic concepts of the telecommunications industry, including data centers, wide area networks, broadband, Internet, mobile and wi-fi networks, and mobile carriers.**

**Green Data Centers Monthly Newsletter 04-10**