

Free reading Implementing the tm forum information framework sid (PDF)

Implementing the TM Forum Information Framework (SID) Integrating Information & Communications Technologies Into the Classroom Reference Architecture for the Telecommunications Industry Next Generation Telecommunications Networks, Services, and Management The Value Fabric Integrated Management from E-Business Perspective Quality of Experience Engineering for Customer Added Value Services The CRC Handbook of Modern Telecommunications Transforming Enterprise Cloud Services Active Technologies for Network and Service Management Architectures and Protocols for Secure Information Technology Infrastructures Cloud Technology: Concepts, Methodologies, Tools, and Applications Information Systems Development Understanding Changing Telecommunications The Open Mobile Alliance Next Generation Mobile Communications Ecosystem Distributed Computer and Communication Networks Information Technologies and Mathematical Modelling. Queueing Theory and Applications Convergence Cable Networks, Services, and Management Revenue Assurance Economics of Grids, Clouds, Systems, and Services Informatics, Networking and Intelligent Computing Operations Support Systems: Solutions and Strategies for the Emerging Network Standards and Standardization: Concepts, Methodologies, Tools, and Applications The Practice of Enterprise Architecture T Bytes Consulting & IT Services OSS Design Patterns Cloud Computing Managing IP Networks Innovating Mass-customized Service Handbook of Research on Redesigning the Future of Internet Architectures Executing SOA Modelling Autonomic Communication Environments The Nimble Elephant Practical Guide to LTE-A, VoLTE and IoT Services Management in Intelligent Networks Quality of Service in the Emerging Networking Panorama MPLS-Enabled Applications IP Multimedia Subsystem (IMS) Handbook

Implementing the TM Forum Information Framework (SID) 2012-07-10

already adopted by 90 of the world's largest communications service providers, TM Forum's framework suite of standards provide a blueprint for effective business operations. TM Forum Information Framework (SID) used worldwide by service providers and vendors alike is a key element of framework. End-to-end service management requires a consistent use of data across the enterprise. The information framework provides a comprehensive industry-agreed definition for information that flows through the enterprise and between service providers and their business partners. Implementing the TM Forum Information Framework (SID) is a practical guide that introduces advanced concepts, techniques for successful implementation within an application environment. The techniques have been tried and tested by many practitioners from both teaching and consulting backgrounds. This book uses helpful examples and use case scenarios throughout to demonstrate the concepts and techniques presented. Also inside this book: implementing information framework modeling patterns; information framework and database design; maintaining information framework conformance; instantiation and implementation options for information framework entities; applying other implementation considerations.

Integrating Information & Communications Technologies Into the Classroom 2006-10-31

This book promotes state-of-the-art application of classroom technology for teaching and learning. Teachers, educational researchers, and scholars are offered some twenty chapters filled with practical applications, research practice, and thought-provoking stances on many of the key issues associated with teaching and learning in today's classroom environment. Provided by publisher.

Reference Architecture for the Telecommunications Industry 2017-01-26

This book reflects the tremendous changes in the telecommunications industry in the course of the past few decades: shorter innovation cycles, stiffer competition, and new communication products. It analyzes the transformation of processes, applications, and network technologies that are now expected to take place under enormous time pressure. The International Telecommunication Union (ITU) and the TM Forum have provided reference solutions that are broadly recognized and used throughout the value chain of the telecommunications industry and which can be considered the de facto standard. The book describes how these reference solutions can be used in a practical context. It presents the latest insights into their development, highlights lessons learned from numerous international projects, and combines them with well-founded research results in enterprise architecture management and reference modeling. The complete architectural transformation is explained from the planning and set-up stage to the implementation, featuring a wealth of examples and illustrations. The book offers a valuable resource for telecommunication professionals, enterprise architects, and project managers alike.

Next Generation Telecommunications Networks, Services, and Management 2011-09-20

An unprecedented look into the present and future of next-generation networks, services, and management in the telecommunications industry. The telecommunications industry has advanced in rapid, significant, and unpredictable ways into the twenty-first century. Next-generation telecommunications networks, services, and management guides the global industry and academia even further by providing an in-depth look at current and developing trends, as well as examining the complex issues of developing, introducing, and managing cutting-edge telecommunications technologies. This is an orchestrated set of original chapters written expressly for this book by topic experts from around the globe. It addresses next-generation technologies and architectures with the focus on networks, services, and management. Key topics include opportunities and challenges of next-generation telecommunications networks, services, and management; tri-quid play and IP-based networks and services; fault configuration, accounting, performance, and security; FCAPS requirements; convergence and an important convergence vehicle: IP multimedia subsystem (IMS). Next-generation operations and network management architecture: ad hoc wireless and sensor networks and their management; next-generation operations and network management standards from a strategic perspective; a defining look at the future in this field. This book will serve as a contemporary reference for the growing global community of telecommunication and information professionals in industry, government, and academia. It will be important to faculty and graduate students of telecommunications as a graduate textbook.

The Value Fabric 2016-04-22

the value fabric a guide to doing business in the digital world describes how business should be conducted in the digital world using a new concept called the value fabric a value fabric is a mesh of interwoven cooperating organizations and individuals called parties who directly or indirectly deliver value to customers the book address the following questions how are multi party multi industry business models represented in today s digital world how is a vibrant fabric composed of these parties participants developed what are the keys to successful participation in the fabric how should participants communicate with one another does the use of industry standards enable successful cooperation among participants where can standards be found what are the similarities and difference between the value fabric and value chain value network and also of importance is why we should care about all this the digital world requires a standard way to simply describe and visualize the way business is conducted and the value fabric provides that the digital world demands agility and the value fabric enabled by industry standards provides a way for businesses to become and remain agile

Integrated Management from E-Business Perspective 2012-12-06

e business covers a broad spectrum of businesses based on the internet including e commerce e healthcare e government and e tailing while substantial attention is being given to the planning and development of e business applications the efficiency and effectiveness of e business systems will largely depend on management solutions these management solutions demand a good grasp of both the technical and business perspectives of an e business service there have been many books on the internet based on e commerce internet protocols distributed components etc however none of these books address the problem of managing e business as a set of networked services they do not link enterprise management with network and systems management this book provides an overview of the emerging techniques for it service management from a business perspective with case studies from telecommunication and healthcare sectors it integrates the business perspective with relevant technical standards such as snmp wbem and dmi this book presents some concepts and methodologies that enable the development of effective and efficient management systems for networked services the book is intended to familiarize practicing managers engineers and graduate level students with networked service management concepts architectures and methodologies with reference to evolving standards it should be useful in a number of disciplines such as business management information systems computers and networking and telecommunications appendix 2 is based on telemanagement tm forum s documents on tom gb921 gb910 and gb908 while this appendix has explained the basic management concept of an e telco tmforum now recommends the use of etom as explained in tmforum com an overview of etom is available in the report the telemanagement forum s enhanced telecom operations map etom by michael kelly appearing in the journal of network and systems management in march 2003

Quality of Experience Engineering for Customer Added Value Services 2014-07-09

the main objective of the book is to present state of the art research results and experience reports in the area of quality monitoring for customer experience management addressing topics which are currently important such as service aware future internet architecture for quality of experience qoe management on multimedia applications in recent years multimedia applications and services have experienced a sudden growth today video display is not limited to the traditional areas of movies and television on tv sets but these applications are accessed in different environments with different devices and under different conditions in addition the continuous emergence of new services along with increasing competition is forcing network operators and service providers to focus all their efforts on customer satisfaction although determining the qoe is not a trivial task this book addresses the qoe for improving customer perception when using added value services offered by service providers from evaluation to monitoring and other management processes

The CRC Handbook of Modern Telecommunications 2010-12-12

this authoritative handbook contributed to by a team of international experts covers the most dynamic areas in the changing telecommunications landscape written for telecommunications specialists who implement the new technologies the crc handbook of modern telecommunications is an excellent companion volume to the authors the telecommunicatio

Transforming Enterprise Cloud Services 2010-11-15

the broad scope of cloud computing is creating a technology business sociolo cal and economic renaissance it delivers the promise of making services available quickly with rather little effort cloud computing allows almost anyone anywhere at anytime to interact with these service offerings cloud computing creates a unique opportunity for its users that allows anyone

with an idea to have a chance to deliver it to a mass market base as cloud computing continues to evolve and penetrate different industries it is inevitable that the scope and definition of cloud computing becomes very subjective based on providers and customers perspective of applications for instance information technology professionals perceive a cloud as an unlimited on demand flexible computing fabric that is always available to support their needs cloud users experience cloud services as virtual off premise applications provided by cloud service providers to an end user a provider offering a set of services or applications in the cloud can manage these offerings remotely despite these discrepancies there is a general consensus that cloud computing includes technology that uses the internet and collaborated servers to integrate data applications and computing resources with proper cloud access such technology allows consumers and businesses to access their personal files on any computer without having to install special tools cloud computing facilitates efficient operations and management of computing technologies by federating storage memory processing and bandwidth

Active Technologies for Network and Service Management 2003-07-31

this volume of the lecture notes in computer science series contains all papers accepted for presentation at the 10th ifip iee international workshop on distributed systems operations and management dsom 99 which took place at the eth zürich in switzerland and was hosted by the computer engineering and networking laboratory tik dsom 99 is the tenth workshop in a series of annual workshops and zürich is proud to host this 10th anniversary of the iee ifip workshop dsom 99 follows highly successful meetings the most recent of which took place in delaware u s a dsom 98 sydney australia dsom 97 and l aquila italy dsom 96 dsom workshops attempt to bring together researchers from the area of network and service management in both industry and academia to discuss recent advancements and to foster further growth in this field in contrast to the larger management symposia in integrated network management and noms network operations and management symposium dsom workshops follow a single track program in order to stimulate interaction and active participation the specific focus of dsom 99 is active technologies for network and service management reflecting the current developments in the field of active and programmable networks and about half of the papers in this workshop fall within this category

Architectures and Protocols for Secure Information Technology Infrastructures 2013-09-30

with the constant stream of emails social networks and online bank accounts technology has become a pervasive part of our everyday lives making the security of these information systems an essential requirement for both users and service providers architectures and protocols for secure information technology infrastructures investigates different protocols and architectures that can be used to design create and develop security infrastructures by highlighting recent advances trends and contributions to the building blocks for solving security issues this book is essential for researchers engineers and professionals interested in exploring recent advances in ict security

Cloud Technology: Concepts, Methodologies, Tools, and Applications 2014-10-31

as the grows and expands into ever more remote parts of the world the availability of resources over the internet increases exponentially making use of this widely prevalent tool organizations and individuals can share and store knowledge like never before cloud technology concepts methodologies tools and applications investigates the latest research in the ubiquitous exploring the use of applications and software that make use of the internet s anytime anywhere availability by bringing together research and ideas from across the globe this publication will be of use to computer engineers software developers and end users in business education medicine and more

Information Systems Development 2011-09-02

information systems development business systems and services modeling and development is the collected proceedings of the 19th international conference on information systems development held in prague czech republic august 25 27 2010 it follows in the tradition of previous conferences in the series in exploring the connections between industry research and education these proceedings represent ongoing reflections within the academic community on established information systems topics and emerging concepts approaches and ideas it is hoped that the papers herein contribute towards disseminating research and improving practice

Understanding Changing Telecommunications 2005-08-05

the field of telecommunications is becoming ever more complex in order to manage the new telecom industry it is necessary not only to understand its 3 main components namely the end users the technology and networks and the business aspects but also their vital inter relationships complexity leads to uncertainty and one effect of uncertainty is for people to underestimate the complexity of the business and the technology this book takes a holistic approach to the subject and can be used as a tool for decreasing this uncertainty during 2000 many operators paid extremely high sums of money for 3g licenses in a number of european countries supposing a potential corresponding and balancing revenue from mobile services in the new frequency band obviously today the licenses are questionable consequently suppliers and operators were forced to reduce their international work force what are the underlying reasons since the true rate and level of development was hardly foreseen by anyone the picture is complex including factors such as psychology and belief in a new economy it is immediately clear that the end user impact has been severely under estimated it is also clear that the expected development has and is happening with more speed than expected and continues to be complemented with solutions such as wireless lans this book treats the paradigm shift from a number of angles user needs and demands deregulation of telecom and the convergence between telecommunications data communications and the media industry the service plan service implementation qos and security understanding changing telecommunications focuses on the overall principles and context of the new telecommunications world rather than on high level technical descriptions in order to aid the understanding and development of the next generation of telecom networks e g multimedia over ip and 3g discusses the development of telecommunications up until 2005 provides a holistic view of the world of telecommunications covers three main areas end users technologies and networks and telecom business and their vital inter relationships offers support and advice for those needing to implement business plans essential reading for staff with operators and providers involved in the telecom networks especially management planning and design development integration and training as well as business analysts and investors keen to understand the current state of the telecom industry

The Open Mobile Alliance 2008-02-28

a practical overview of oma specifications and how they enable mobile multimedia services much more the open mobile alliance oma is an industry forum which develops open specifications to help in the creation of applications and services to be deployed over converged networks the alliance is the leading industry forum for generating market driven specifications for interoperable mobile service enablers that facilitate global user adoptions of mobile multimedia services members include traditional wireless industry segments such as mobile operators mobile operators e g at t china mobile orange sprint nextel t mobile telefonica vodafone equipment and mobile systems manufacturers e g alcatel lucent ericsson motorola nokia philips samsung siemens sony ericsson and information technology vendors e g bea systems ibm microsoft oracle corporation sun microsystems and nec since its formation in 2002 the oma has made significant progress in areas such as push to talk over cellular device management presence and group management and messaging the open mobile alliance provides a comprehensive overview of the service enablers published by the oma tying together all the different piece parts developed by the individual working groups offers a thorough introduction to the oma service environments ose and the specification process for enabling technologies discusses enablers for services such as gaming ims parlay mobile broadcast and web services contains contributions from all stakeholders in the mobile application value chain the open mobile alliance alliance is an invaluable resource for oma members product managers network architects and planners standards managers standards engineers and it professionals advanced students and lecturers on mobile application development and standardization courses will also find this book of interest the success of oma is due to its individual members contributions and this book is testament to their hard work the individual members efforts and the authors of this book are to be congratulated on their magnificent achievements mark cataldo senior advisor orange sa oma technical plenary chairman

Next Generation Mobile Communications Ecosystem 2011-02-25

taking an in depth look at the mobile communications ecosystem this book covers the two key components i e network and end user devices in detail within the network the sub components of radio access network transmission network core networks services and oss are discussed component level discussion also features antenna diversity and interference cancellation techniques for smart wireless devices the role of various standard development organizations and industry forums is highlighted throughout the ecosystem is strengthened with the addition of the technology management tm component dealing mostly with the non technical aspects of the underlying mobile communications industry various aspects of tm including technology development innovation management knowledge management and more are also presented focuses on ofdm based radio technologies such as lte wimax as well as mbwa mobile broadband wireless access provides a vital addition to the momentum of evdo and its migration towards lte emphasis on radio core operation architectural and performance aspects of two next generation technologies eps and wimax includes discussion of backhaul technologies and alternatives as well as

issues faced by operators switching to 3g and next generation mobile networks cutting edge research on emerging gigabit ethernet microwave radios and carrier ethernet transport technologies next generation mobile communications ecosystem serves as a practical reference for telecom associated academia and industry to understanding mobile communications in a holistic manner as well as assisting in preparing graduate students and fresh graduates for the marketplace by providing them with information not only on state of the art technologies and standards but also on tm by effectively focusing on the key domains of tm this book will further assist companies with improving their competitiveness in the long run importantly it will provide students engineers researchers technology managers and executives with extensive details on various emerging mobile wireless standards and technologies

Distributed Computer and Communication Networks 2022-02-24

this book constitutes revised selected papers from the 24th international conference on distributed and computer and communication networks dccn 2021 held in moscow russia in september 2021 due to the covid 19 pandemic the conference was held online the 31 full papers along with the 4 short papers were carefully reviewed and selected from 151 submissions the papers are organized in the following topical sections computer and communication networks analytical modeling of distributed systems and distributed systems applications

Information Technologies and Mathematical Modelling. Queueing Theory and Applications 2017-09-30

this book constitutes the proceedings of the 16th international conference on information technologies and mathematical modelling itmm 2017 held in kazan russia in september october 2017 the 31 papers presented in this volume were carefully reviewed and selected from 85 submissions the conference covers various aspects of mathematical modeling and information technologies focusing on probabilistic methods and models queueing theory and communication networks

Convergence 2008-04-30

convergence user expectations communications enablers and business opportunities offers a user centric and business oriented analysis of the rapidly changing communications industry clear summaries of key technology areas provide the backdrop for an extensive analysis of the expectations set by users and the challenges and opportunities this presents to companies the process of convergence is characterised by complex interactions between different technical fields business areas and end user relations where traditional telecommunications services internet based services and media broadcast services are blending into a continuum of rich new offerings with these changes the existing hardwired links between user services and specific industry segments are rapidly dissolving presents guide to end user market trends and expectations includes models and analysis of new industry structures and dynamics contains comprehensive discussion of innovation as a business driver provides wide range of references to reflect the cross disciplinary scope of convergence offers motivation and suggestions for refocus of key business strategies convergence bridges the fields of business economics technology and social studies and analyses business models and practices from across a range of industry segments the wide scope makes the book an ideal text for technically minded executives business oriented engineers and anyone with an interest in the intricacies of the convergence triggered market changes

Cable Networks, Services, and Management 2015-01-06

this is the first book describing cable networks services and their management in greater detail by thirteen experts in various fields covering network architectures and services operations administration maintenance provisioning troubleshooting oampt for residential services network architectures services and oampt for business services software defined networks sdn and virtualization concepts comprehensive reference book useful for people working for a multiple systems operator includes chapter introductions written by 13 experts in various fields such as network services and soft defined networks

Revenue Assurance 2016-04-19

this cutting edge reference represents a new phase in the talkra project an initiative dedicated to improving the discipline of revenue assurance ra for communication providers from blog to podcasts and now a book the project offers a platform for a select group of ra experts to share ideas and best practices in revenue assurance revenue manag

Economics of Grids, Clouds, Systems, and Services 2013-08-30

this book constitutes the refereed proceedings of the 10th international conference on economics of grids clouds systems and services gecon 2013 held in zaragoza spain in september 2013 the 20 revised full papers presented were carefully reviewed and selected from numerous submissions the papers are organized in the following topical sections business models energy consumption resource allocation work in progress on resource allocation work in progress on pricing quality of service work in progress on utility and roi modeling

Informatics, Networking and Intelligent Computing 2015-05-06

this proceedings volume contains selected papers presented at the 2014 international conference on informatics networking and intelligent computing held in shenzhen china contributions cover the latest developments and advances in the field of informatics networking and intelligent computing

Operations Support Systems: Solutions and Strategies for the Emerging Network 2003-09-15

effective communication requires a common language a truth that applies to science and mathematics as much as it does to culture and conversation standards and standardization concepts methodologies tools and applications addresses the necessity of a common system of measurement in all technical communications and endeavors in addition to the need for common rules and guidelines for regulating such enterprises this multivolume reference will be of practical and theoretical significance to researchers scientists engineers teachers and students in a wide array of disciplines

Standards and Standardization: Concepts, Methodologies, Tools, and Applications 2015-02-28

enterprise architecture ea serves as a systematic framework for fortifying and expanding organisational capabilities despite its undeniable value the available literature on mastering and implementing ea remains surprisingly sparse this book aims to bridge that gap penned by a seasoned practitioner and visionary drawing from extensive real world experience in orchestrating successful it transformations across numerous large scale enterprises the practice of enterprise architecture is an indispensable guide for enterprise and it architects offering invaluable insights into the core processes techniques and tools essential for effective ea implementation moreover it extends its reach to business leaders keen on leveraging ea s advantages for their companies written in an accessible style the book equips readers with the necessary understanding and know how to initiate and sustain an ea practice within their organisations packed with practical guidance and complemented by step by step exercises each chapter delves into various facets of ea providing actionable strategies for managing requisite information and conducting thorough analysis features it architecture foundations it architecture method making architectural decisions domain driven architecture diagramming skills enterprise architecture method the ea process ea maturity assessment setting up ea agile ea ea career enterprise architecture techniques documenting ea fit gap analysis creating an it strategy business case creation merger solutions security assessments ea resources philosophical underpinnings books websites organisations supporting materials

The Practice of Enterprise Architecture 2024-03-29

this document brings together a set of latest data points and publicly available information relevant for consulting it services industry we are very excited to share this content and believe that readers will benefit from this periodic publication immensely

T Bytes Consulting & IT Services 2020-12-04

the management of telecommunications networks and services is one of the most challenging of software endeavors partly because of the size and the distributed nature of networks partly because of the convergence of communications technologies but mainly because of sheer complexity and diversity of networks and services the tm forum s solutions frameworks ngoss help address these challenges by providing a framework for the development of management applications those software applications that provide the building blocks for management solutions the members of the tm forum have elaborated many parts of ngoss to make it practical including in the area of information modeling process analysis and c tract de nition this book further elaborates ngoss by examining the challenging area of interface design one of the costs of deploying a new service is

the cost of integrating all the necessary applications into an effective software solution to manage the service this cost has been dubbed the integration tax and can turn out to be ve times the capital cost of procuring the management software in the rst place from their long experience of the design and standardization of management applications the authors have extracted a core set of design patterns for the dev opment of effective and consistent interfaces to management applications adopting these patterns across the industry could reduce the learning curve for software velopers and allow service providers and systems integrators to rapidly and reliably deploy management solutions and thereby markedly reduce the integration tax

OSS Design Patterns 2009-07-24

the complete guide to provisioning and managing cloud based infrastructure as a service iaas data center solutions cloud computing will revolutionize the way it resources are deployed configured and managed for years to come service providers and customers each stand to realize tremendous value from this paradigm shift if they can take advantage of it cloud computing brings together the realistic start to finish guidance they need to plan implement and manage cloud solution architectures for tomorrow s virtualized data centers it introduces cloud newcomers to essential concepts and offers experienced operations professionals detailed guidance on delivering infrastructure as a service iaas platform as a service paas and software as a service saas this book s replicable solutions and fully tested best practices will help enterprises service providers consultants and cisco partners meet the challenge of provisioning end to end cloud infrastructures drawing on extensive experience working with leading cloud vendors and integrators the authors present detailed operations workflow examples proven techniques for operating cloud based network compute and storage infrastructure a comprehensive management reference architecture and a complete case study demonstrating rapid lower cost solutions design cloud computing will be an indispensable resource for all network it professionals and managers involved with planning implementing or managing the next generation of cloud computing services venkata josh josyula ph d ccie r no 13518 is a distinguished services engineer in cisco services technology group cstg and advises cisco customers on oss bss architecture and solutions malcolm orr solutions architect for cisco s services technology solutions advises telecoms and enterprise clients on architecting building and operating oss bss and cloud management stacks he is cisco s lead architect for several tier 1 public cloud projects greg page has spent the last eleven years with cisco in technical consulting roles relating to data center architecture technology and service provider security he is now exclusively focused on developing cloud iaas solutions with service providers and systems integrator partners review the key concepts needed to successfully deploy clouds and cloud based services transition common enterprise design patterns and use cases to the cloud master architectural principles and infrastructure designs for real time managed it services understand the cisco approach to cloud related technologies systems and services develop a cloud management architecture using itil tmf and itu tmn standards implement best practices for cloud service provisioning activation and management automate cloud infrastructure to simplify service delivery monitoring and assurance choose and implement the right billing chargeback approaches for your business design and build iaas services from start to finish manage the unique capacity challenges associated with sporadic real time demand provide a consistent and optimal cloud user experience this book is part of the networking technology series from cisco press r which offers networking professionals valuable information for constructing efficient networks understanding new technologies and building successful careers category cloud computing covers virtualized data centers

Cloud Computing 2012

ip has a major role in the evolution of networks and services issues relating to end to end network and service management which offers advanced services are addressed in this book making it a defining work on this topic

Managing IP Networks 2003-09-08

as the volume of global internet traffic increases the internet is beginning to suffer from a broad spectrum of performance degrading infrastructural limitations that threaten to jeopardize the continued growth of new innovative services in answer to this challenge computer scientists seek to maintain the original design principles of the internet while allowing for a more dynamic approach to the manner in which networks are designed and operated the handbook of research on redesigning the future of internet architectures covers some of the hottest topics currently being debated by the internet community at large including internet governance privacy issues service delivery automation advanced networking schemes and new approaches to internet traffic forwarding and path computation mechanics targeting students network engineers and technical strategists this book seeks to provide a broad and comprehensive look at the next wave of revolutionary ideas poised to reshape the very foundation of the internet as we know it

Innovating Mass-customized Service 2011

the expert practical guide to succeeding with soa in the enterprise in executing soa four experienced soa implementers share realistic proven from the trenches guidance for successfully delivering on even the largest and most complex soa initiative this book follows up where the authors best selling service oriented architecture compass left off showing how to overcome key obstacles to successful soa implementation and identifying best practices for all facets of execution technical organizational and human among the issues it addresses introducing a services discipline that supports collaboration and information process sharing integrating services with preexisting technology assets and strategies choosing the right roles for new tools shifting culture governance and architecture and bringing greater agility to the entire organizational lifecycle not just isolated projects executing soa is an indispensable resource for every enterprise architect technical manager and it leader tasked with driving value from soa in complex environments coverage includes implementing soa governance that reflects the organization s strategic and business focus running soa projects successfully practical guidelines and proven methodologies around service modeling and design leveraging reusable assets making the most of your soa repository enabling the architect to choose the correct tools and products containing the features required to execute on the soa method for service design and implementation defining information services to get the right information to the right people at the right time integrating soa with 2 0 and other innovative products and solutions providing highly usable human interfaces in soa environments

Handbook of Research on Redesigning the Future of Internet Architectures 2015-05-31

this book constitutes the refereed proceedings of the 5th ieee international workshop on modelling autonomic communications environments mace 2010 held in niagara falls canada in october 2010 as part of the 6th international conference on network and service management cnsm 2010 the 10 full papers presented were carefully reviewed and selected from 17 submissions the papers are organized in topical sections on autonomics in home area networks and multimedia ontologies experience adaptive systems and federation and modeling for virtualized infrastructure

Executing SOA 2008-05-05

get it done well and get it done fast are twin apparently opposing demands data architects are increasingly expected to deliver quality data models in challenging timeframes and agile developers are increasingly expected to ensure that their solutions can be easily integrated with the data assets of the overall organization if you need to deliver quality solutions despite exacting schedules the nimble elephant will help by describing proven techniques that leverage the libraries of published data model patterns to rapidly assemble extensible and robust designs the three sections in the book provide guidelines for applying the lessons to your own situation so that you can apply the techniques and patterns immediately to your current assignments the first section foundations for data agility addresses some perceived aspects of friction between data and agile practitioners as a starting point for resolving the differences pattern levels of granularity are classified and their interdependencies exposed a context of various types of models is established e g conceptual logical physical and industry enterprise project and you will learn how to customize patterns within specific model types the second section steps towards data agility shares guidelines on generalizing and specializing with cautions on the dangers of going too far creativity in using patterns beyond their intended purpose is encouraged the short term you ain t gonna need it yagni philosophy of agile practitioners and the longer term strategic perspectives of architects are compared and evaluated consideration is given to the potential of enterprise views contributing to project specific models other topics include industry models iterative modeling creation of patterns when none exist and patterns for rules in data the section ends with a perspective on the modeler s possible role in agile projects followed by a case study the final section a bridge to the land of object orientation provides a pathway for re skilling traditional data modelers who want to expand their options by actively engaging with the ranks of object oriented developers i m delighted to see that john has put his extensive experience and broad knowledge of data modeling into print john s ability to simplify the complex and to share his knowledge and enthusiasm and humor with colleagues comes through in this very useful and readable book i recommend it to anyone working with data monika remenyi senior data architect telstra john giles has written a compelling and engaging book about the importance of data modeling patterns in the world of agile computing his book is clearly and simply written and it is full of excellent examples drawn from his extensive experience as a practitioner you will see the enthusiasm and passion that john clearly has for his work in data modeling and you will see in his book that any interchange with john will always have its fair share of good humor and wisdom professor ron weber dean faculty of it monash university

Modelling Autonomic Communication Environments 2010-10-19

essential reference providing best practice of lte a volte and iot design deployment performance and evolution towards 5g this book is a practical guide to the design deployment and performance of lte a volte ims and iot a comprehensive practical performance analysis for volte is conducted based on field measurement results from live lte networks also it provides a comprehensive introduction to iot and 5g evolutions practical aspects and best practice of lte a ims volte iot are presented practical aspects of lte advanced features are presented in addition lte lte a network capacity dimensioning and analysis are demonstrated based on live lte lte a networks kpis a comprehensive foundation for 5g technologies is provided including massive mimo embb urllc mmhc ngcn and network slicing cloudification virtualization and sdn practical guide to lte a volte and iot paving the way towards 5g can be used as a practical comprehensive guide for best practices in lte lte a volte iot design deployment performance analysis and network architecture and dimensioning it offers tutorial introduction on lte a iot 5g networks enabling the reader to use this advanced book without the need to refer to more introductory texts offers a complete overview of lte and lte a ims volte and iot and 5g introduces readers to ip multimedia subsystems ims performs a comprehensive evaluation of volte csfb provides lte lte a network capacity and dimensioning examines iot and 5g evolutions towards a super connected world introduce 3gpp nb iot evolution for low power wide area lpwa network provide a comprehensive introduction for 5g evolution including embb urllc mmhc network slicing cloudification virtualization sdn and orchestration practical guide to lte a volte and iot will appeal to all deployment and service engineers network designers and planning and optimization engineers working in mobile communications also it is a practical guide for r d and standardization experts to evolve the lte lte a volte and iot towards 5g evolution

The Nimble Elephant 2012-08-01

this book constitutes the refereed proceedings of the 11th ifip iee international workshop on distributed systems operations and management dsom 2000 held in austin tx usa in december 2000 the 21 revised full papers presented were carefully reviewed and selected from a total of 65 submissions the book is divided into topical sections on architectures for internet management fault management of services and networks inter domain management event handling for management services qos management and management architectures

Practical Guide to LTE-A, VoLTE and IoT 2018-06-19

this book constitutes the joint refereed proceedings of the 5th international workshop on quality of future internet services qosfis 2004 the first international workshop on qos routing woosr 2004 and the 4th international workshop on internet charging and qos technology icqt 2004 held in barcelona spain in september october 2004 the 38 revised full papers presented were carefully reviewed and selected from a total of around 140 submissions the papers are organized in topical sections on internet applications local area and ad hoc wireless networks service differentiation and congestion control traffic engineering and routing enforcing mobility algorithms and scalability for service routing novel ideas and protocol enhancements auctions and game theory charging in mobile networks and qos provisioning and monitoring

Services Management in Intelligent Networks 2003-06-29

with a foreword by yakov rekhter here at last is a single all encompassing resource where the myriad applications sharpen into a comprehensible text that first explains the whys and whats of each application before going on to the technical detail of the hows kireeti kompella cto junos juniper networks the authoritative guide to mpls now in its third edition fully updated with brand new material mpls is now considered the networking technology for carrying all types of network traffic including voice telephony real time video and data traffic in mpls enabled applications third edition the authors methodically show how mpls holds the key to network convergence by allowing operators to offer more services over a single physical infrastructure the third edition contains more than 170 illustrations new chapters and more coverage guiding the reader from the basics of the technology through all its major vpn applications mpls enabled applications contains up to date coverage of the current status and future potential of all major mpls applications including l2vpn l3vpn pseudowires and vpls a new chapter with up to date coverage of the mpls transport profile mpls tp mpls in access networks and seamless mpls the new architecture for extending mpls into the access discussed in depth for both the unicast and the multicast case extensive coverage of multicast support in l3vpns mvpn explaining and comparing both the pim gre and the next generation bgp mpls solutions and including a new chapter on advanced topics in next generation multicast vpns a new chapter on advanced protection techniques including detailed discussion of 50 ms end to end service restoration comprehensive coverage of the base technology as well as the latest ietf drafts including topics such as pseudowire redundancy vpls multihoming irb and p2mp pseudowires mpls enabled applications will provide those involved in the design and deployment of mpls systems as well as those researching the area of mpls networks with a thoroughly modern view of how mpls is transforming the networking world essential new material for

those trying to understand the next steps in mpls adrian farrel ietf routing area director mpls enabled applications takes a unique and creative approach in explaining mpls concepts and how they are applied in practice to meet the needs of enterprise and service provider networks i consistently recommend this book to colleagues in the engineering education and business community dave cooper chief ip technologist global crossing ltd

Quality of Service in the Emerging Networking Panorama 2004-09-24

take part in the future of wireless wireline convergence the ip multimedia subsystem ims established as the foundation for future wireless and wireline convergence is the bedrock that will facilitate easy deployment on new rich personalized multimedia communication services that mix telecom and data services designers planners and researchers of communication systems will need to make full use of the technology occurring with this convergence if they want to be the ones providing end users with new and efficient services that are as cost effective as they are innovative to provide researchers and technicians with the tools they need to optimize their role in this communication revolution the ip multimedia subsystem ims handbook presents all the technical aspects of the ims needed to support the growth of digital traffic and the implementation of underlying networks this guide covers everything from basic concepts to research grade material including the future direction of the architecture organized in three sections the book brings together the technical savvy of 50 pioneering experts from around the world providing complete coverage of relevant concepts technologies and services learn how ims will speed innovation filling the gap between existing traditional telecommunications and internet technologies ims has led to an environment in which new services and concepts are introduced more quickly than ever before such as reusable service components and real time integration the technology promises to be a cost effective evolutionary path to future wireless and wireline convergences that will meet next generation service requirements

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