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Endpoint Security and Compliance Management Design Guide Using IBM Tivoli Endpoint Manager-Axel Buecker 2012-08-22 Organizations today are more widely distributed than ever before, which can make systems management tasks, such as distributing software, patches, and security policies, extremely challenging. The IBM® Tivoli® Endpoint Manager platform is architected for today's highly diverse, distributed, and complex IT environments. It provides real-time visibility and control through a single infrastructure, single agent, and single console for systems lifecycle management, endpoint protection, and security configuration and vulnerability management. This platform enables organizations to securely manage their global IT infrastructures faster and more accurately, resulting in improved governance, control, visibility, and business agility. Plus, it gives organizations the ability to handle tomorrow's unforeseen challenges. In this IBM Redbooks® publication, we provide IT security professionals with a better understanding around the challenging topic of endpoint management in the IT security domain. We focus on IBM Tivoli Endpoint Manager for Security and Compliance and describe the product architecture and provide a hands-on design guide for deploying the solution. This book is a valuable resource for security professionals and architects who want to understand and implement a centralized endpoint management infrastructure and endpoint protection to better handle security and compliance management challenges.

The Executive's Guide to Information Technology-John Baschab 2007-07-13
Service Modelling-Vilho Räisänen 2007-01-11 Learn how to use service modelling to streamline and optimize processes! Information about customer needs, the technical composition of services, and service performance are fundamental to effective service management. Service modelling is a structured approach to utilizing this information to improve the way services are delivered. Consistent application of service modelling provides the automation of processes and timely access to information. Service Modelling presents a comprehensive, up-to-date overview of the topic, presented in the context both of business processes, and of requirements stemming from the need to manage network resources. Vilho Raisanen delivers a justification for service modelling, and explains state-of-the-art concepts, frameworks and standards in detail. Service Modelling: Provides a complete and illustrated overview of state-of-the-art concepts for service modelling, covering requirements and frameworks. Includes industry initiatives, conceptual frameworks, and the work of standardisation bodies. Discusses different modelling approaches, and the positioning of modelling of services in service management and in the wider operational context. Sets the modelling framework in the context of business drivers and modelling paradigms. Illustrates principles with real-world use cases, providing both Fixed Internet and mobile network examples. Relates concepts to the work of TeleManagement Forum, giving practical examples throughout. Service Modelling: Principles and Applications is an invaluable guide to service modelling for telecommunications and data communications professionals, including vendors, operators, consultants, training organizations, service and content providers, system architects and engineers for IP-based services. Educational organizations, advanced undergraduate and graduate students on telecommunications and networking courses will also find this text invaluable.

Spinning Up ServiceNow-Gabriele Kahlout 2017-03-10 Learn how to onboard ServiceNow ITSM tools by evangelizing, educating, and coordinating your organization's service desk, developers, and stakeholders. Drawing on his own story of lessons learned in spinning up the adoption of ServiceNow throughout the Al Jazeera Media Network, application architect Gabriele Kahlout shows IT service managers how to launch automated ServiceNow ticketing tools in seamless integration with their organization's existing email and Active Directory. Spinning Up ServiceNow: IT Service Managers' Guide to Successful User Adoption shows you how to orchestrate your IT service desks and developers to facilitate the adoption and consumption of IT services by all users, supporting their various business needs while optimizing human-computer interaction and minimizing stress and productivity loss arising from poor human-system design. What You'll Learn Quick-start ServiceNow in a matter of days with the minimum configuration required to start processing tickets via email Avoid the teething problems that can spoil your users' onboarding experience with ServiceNow Automate the process of scaling up new teams into ServiceNow Shape your users' experiences so that they retain their familiar bearings in email and Active Directory while welcoming the power of ServiceNow enhancements Create a strategy to avoid common pitfalls that sabotage ITSM programs Who This Book Is For IT managers charged with implementing ServiceNow ITSM suites in their organizations and business analysts determining the requirements for such implementation. The secondary readership is system administrators and developers involved in ITSM.

Tivoli Integration Scenarios-Redbooks Tivoli Integration Scenarios Team IBM 2011-01-11 This IBM® Redbooks® publication provides a broad view of how Tivoli® system management products work together in several common scenarios. You must achieve seamless integration for operations personnel to work with the solution. This integration is necessary to ensure that the product can be used easily by the users. Product integration contains multiple dimensions, such as security, navigation, data and task integrations. Within the context of this book, you see examples of these integrations. The scenarios implemented in this book are largely based on the input from the integration team, and several clients using IBM products. We based these scenarios on common real-life examples that IT operations often have to deal with. Of course, these scenarios are only a small subset of the possible integration scenarios that can be accomplished by the Tivoli products, but they were chosen to be representative of the integration possibilities using the Tivoli products. We discuss these implementations and benefits that are realized by these integrations, and also provide sample scenarios of how these integrations work. This book is a reference guide for IT architects and IT specialists working on integrating Tivoli products in real-life environments.

IT Service Management Best Practices Using IBM SmartCloud Control Desk-Axel Buecker 2013-12-12 SmartCloud Control Desk is a comprehensive IT Asset and Service Management solution that helps reduce cost and minimize service disruptions. It does so through automated service request handling, efficient change management, and optimized asset lifecycle management across IT and enterprise domains. SmartCloud Control Desk helps to reduce total cost of ownership by using one unified solution to license, install, and manage multiple ITIL processes under one price point. It can also help reduce business risk by using advanced impact analysis and defining automated change procedures that ensure integrity of existing infrastructure while supporting business agility. SmartCloud Control Desk improves efficiency and quality of service by unifying asset, change, and problem management. It lowers cost and mitigates license compliance risk by performing end to end software asset management. It also delivers an adaptive, role-based simplified UI that are more intuitive for novice users, which reduces training costs, while allowing access from anywhere at anytime through mobile device support that includes BlackBerry, iOS, and Android. In addition, SmartCloud Control Desk supports both a profit center business model for internal IT organizations, and an external Service Provider model. It allows organizations to manage customers and customer agreements and bills for managed assets, usage, and work activities while improving utilization rates and reducing unnecessary purchases by managing the IT asset lifecycle. You can deploy SmartCloud Control Desk in a variety of ways; traditional on-premise, SaaS, VM image. This approach can make it more affordable to meet your current business needs, and seamlessly move between delivery models while keeping the same functionality. This IBM® Redbooks® publication covers IBM SmartCloud® Control Desk product configuration, customization, and implementation best practices.

BMC Control-M 7-Qiang Ding 2012-10-10 Master one of the world?s most powerful enterprise workload automation tools? BMC Control-M 7 - using this book and eBook.
A Semantic Wiki-based Platform for IT Service Management-Kleiner, Frank 2015-02-25
Microsoft System Center Operating System Deployment Field Guide-Andre Della Monica 2014
Microsoft System Center Service Manager-Thomas Ellermann 2013-12-15 Part of a series of specialized guides on System Center - this book provides focused guidance for deploying and customizing Service Manager, an integrated platform for automating and adapting an organization's IT service management best practices. Led by series editor Mitch Tulloch, a team of System Center experts step you through key technical scenarios and tasks.
Microsoft System Center Designing Orchestrator Runbooks-David Ziembicki 2013-09-15 Part of a series of specialized guides on System Center - this book delivers a focused drilldown into designing runbooks for Orchestrator workflow management solutions. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key design concepts, criteria, and tasks.

Security Operations Center-Joseph Muniz 2015-11-02 Security Operations Center Building, Operating, and Maintaining Your SOC The complete, practical guide to planning, building, and operating an effective Security Operations Center (SOC) Security Operations Center is the complete guide to building, operating, and managing Security Operations Centers in any environment. Drawing on experience with hundreds of customers ranging from Fortune 500 enterprises to large military organizations, three leading experts thoroughly review each SOC model, including virtual SOCs. You'll learn how to select the right strategic option for your organization, and then plan and execute the strategy you've chosen. Security Operations Center walks you through every stage required to establish and run an effective SOC, including all significant people, process, and technology capabilities. The authors assess SOC technologies, strategy, infrastructure, governance, planning, implementation, and more. They take a holistic approach considering various commercial and open-source tools found in modern SOCs. This best-practice guide is written for anybody interested in learning how to develop, manage, or improve a SOC. A background in network security, management, and operations will be helpful but is not required. It is also an indispensable resource for anyone preparing for the Cisco SCYBER exam. · Review high-level issues, such as vulnerability and risk management, threat intelligence, digital investigation, and data collection/analysis · Understand the technical components of a modern SOC · Assess the current state of your SOC and identify areas of improvement · Plan SOC strategy, mission, functions, and services · Design and build out SOC infrastructure, from facilities and networks to systems, storage, and physical security · Collect and successfully analyze security data · Establish an effective vulnerability management practice · Organize incident response teams and measure their performance · Define an optimal governance and staffing model · Develop a practical SOC handbook that people can actually use · Prepare SOC to go live, with comprehensive transition plans · React quickly and collaboratively to security incidents · Implement best practice security operations, including continuous enhancement and improvement

ServiceNow Cookbook-Ashish Rudra Srivastava 2017-02-28 Over 50 practical and immediately applicable recipes to help you manage services in your enterprise environment efficiently About This Book Solve problems and challenges encountered while implementing or using ServiceNow in your organization Helps you build core administration, management, and maintenance skills to automate and orchestrate your IT environment Comes with recipes to improve the way you design and create automated workflows Who This Book Is For This book targets IT professionals and administrators who have some experience of working with ServiceNow already and are looking to solve regular or unique problems that surface when using ServiceNow. It's advisable to have a basic level of administration experience with ServiceNow. Familiarity with JavaScript is assumed. What You Will Learn Grasp the basics, such as entering and navigation, required to implement best ServiceNow Perform core configuration and management tasks Use the ServiceNow plugins to manage development Build and publish custom applications for service management Design data-driven apps to connect with outside worlds by getting into Client and server scripting Configure alerts and notifications and understand e-mail troubleshooting and watermarking Build and configure reports to set up your dashboard as per the requirement Create and configure workflow activities In Detail ServiceNow is the ideal platform for you to create enterprise-level applications, giving both requesters and fulfillers better visibility and access to a process. With this title we'll guide you through the world of ServiceNow, letting you take on the best the platform offers you with the least amount of hassle. Starting with the core configuration and management tasks, this book will help you build data-driven apps and it will also explore development best practices. You will learn to set up email notifications for users and work with the database view for reporting. Next, the book will guide you through creating various tasks from the workflow and show you how to make the most of the workflow activities available in ServiceNow. Finally, the book will drive you through the auditing and diagnosing aspects of ServiceNow. By the end of this book, you will acquire immediately applicable skills to rectify everyday problems encountered on the ServiceNow platform. Style and approach This book follows a recipe-based problem-solution approach to address and dispel challenges faced when implementing and using ServiceNow on a regular basis.It will act as a quick solution when trying to solve specific problems without having to read an exhaustive tutorial.

A Complete Guide to DB2 Universal Database-Don Chamberlin 1998-06-15 This is a guide designed to familiarize users with the DB2 standard while helping to optimize their use of the technology.
Cloud Data Centers and Cost Modeling-Caesar Wu 2015-02-27 Cloud Data Centers and Cost Modeling establishes a framework for strategic decision-makers to facilitate the development of cloud data centers. Just as building a house requires a clear understanding of the blueprints, architecture, and costs of the project; building a cloud-based data center requires similar knowledge. The authors take a theoretical and practical approach, starting with the key questions to help uncover needs and clarify project scope. They then demonstrate probability tools to test out support decisions, and provide processes that resolve key issues. After laying a foundation of cloud concepts and definitions, the book addresses data center creation, infrastructure development, cost modeling, and simulations in decision-making, each part building on the previous. In this way the authors bridge technology, management, and infrastructure as a service, in one complete guide to data centers that facilitates educated decision making. Explains how to balance cloud computing functionality with data center efficiency Covers key requirements for power management, cooling, server planning, virtualization, and storage management Describes advanced methods for modeling cloud computing cost including Real Option Theory and Monte Carlo Simulations Blends theoretical and practical discussions with insights for developers, consultants, and analysts considering data center development

Measuring and Managing Information Risk-Jack Freund 2014-08-23 Using the factor analysis of information risk (FAIR) methodology developed over ten years and adopted by corporations worldwide, Measuring and Managing Information Risk provides a proven and credible framework for understanding, measuring, and analyzing information risk of any size or complexity. Intended for organizations that need to either build a risk management program from the ground up or strengthen an existing one, this book provides a unique and fresh perspective on how to do a basic quantitative risk analysis. Covering such key areas as risk theory, risk calculation, scenario modeling, and communicating risk within the organization, Measuring and Managing Information Risk helps managers make better business decisions by understanding their organizational risk. Uses factor analysis of information risk (FAIR) as a methodology for measuring and managing risk in any organization. Carefully balances theory with practical applicability and relevant stories of successful implementation. Includes examples from a wide variety of businesses and situations presented in an accessible writing style.

Collaborative Enterprise Architecture-Stefan Bente 2012-09-01 Ever-changing business needs have prompted large companies to rethink their enterprise IT. Today, businesses must allow interaction with their customers, partners, and employees at more touch points and at a depth never thought previously. At the same time, rapid advances in information technologies, like business digitization, cloud computing, and Web 2.0, demand fundamental changes in the enterprises' management practices. These changes have a drastic effect not only on IT and business, but also on policies, processes, and people. Many companies therefore embark on enterprise-wide transformation initiatives. The role of Enterprise Architecture (EA) is to architect and supervise this transformational journey. Unfortunately, today's EA is often a ponderous and detached exercise, with most of the EA initiatives failing to create visible impact. The enterprises need an EA that is agile and responsive to business dynamics. Collaborative Enterprise Architecture provides the innovative solutions today's enterprises require, informed by real-world experiences and experts' insights. This book, in its first part, provides a systematic compendium of the current best practices in EA, analyzes current ways of doing EA, and identifies its constraints and shortcomings. In the second part, it leaves the beaten tracks of EA by introducing Lean, Agile, and Enterprise 2.0 concepts to the traditional EA methods. This blended approach to EA focuses on practical aspects, with recommendations derived from real-world experiences. A truly thought provoking and pragmatic guide to manage EA, Collaborative Enterprise Architecture effectively merges the long-term oriented top-down approach with pragmatic bottom-up thinking, and that way offers real solutions to businesses undergoing enterprise-wide change. Covers the latest emerging technologies affecting business practice, including digitization, cloud computing, agile software development, and Web 2.0 Focuses on the practical implementation of EAM rather than theory, with recommendations based on real-world case studies Addresses changing business demands and practices, including Enterprise 2.0, open source, global sourcing, and more Takes an innovative approach to EAM, merging standard top-down and pragmatic, bottom-up strategies, offering real solutions to businesses undergoing enterprise-wide changes

Implementing Service and Support Management Processes-Hon 2005-03-11 The purpose of this book is to provide both for technical support centres. It is based on the ITAL processes covered in 'Service Support' (ISBN 0113300952) and 'Service Delivery' (ISBN 0113309503) but also includes additional processes as well as a Balanced Scorecard Service Model. Processes covered in the book are: Financial and Operations Management; Knowledge Management; Configuration Management; Change Management; Release Management; Incident Management; Problem Management; Service Level Management; Capacity and Workforce Management; Availability Management; IT Service Continuity Management; and Customer Satisfaction Management.

Navigating the Digital Age-Matt Aiello 2018-10-05 Welcome to the all-new second edition of Navigating the Digital Age. This edition brings together more than 50 leaders and visionaries from business, science, technology, government, aca¬demia, cybersecurity, and law enforce¬ment. Each has contributed an exclusive chapter designed to make us think in depth about the ramifications of this digi-tal world we are creating. Our purpose is to shed light on the vast possibilities that digital technologies present for us, with an emphasis on solving the existential challenge of cybersecurity. An important focus of the book is centered on doing business in the Digital Age¬—particularly around the need to foster a mu¬tual understanding between technical and non-technical executives when it comes to the existential issues surrounding cybersecurity. This book has come together in three parts. In Part 1, we focus on the future of threat and risks. Part 2 emphasizes lessons from today's world, and Part 3 is designed to help you ensure you are covered today. Each part has its own flavor and personal¬ity, reflective of its goals and purpose. Part 1 is a bit more futuristic, Part 2 a bit more experiential, and Part 3 a bit more practical. How we work together, learn from our mistakes, deliver a secure and safe digital future-those are the elements that make up the core thinking behind this book. We cannot afford to be complacent. Whether you are a leader in business, government, or education, you should be knowledgeable, diligent, and action-oriented. It is our sincerest hope that this book provides answers, ideas, and inspiration.If we fail on the cybersecurity front, we put all of our hopes and aspirations at risk. So we start this book with a simple proposition: When it comes to cybersecurity, we must succeed.

Fixed Broadband Wireless System Design-Harry R. Anderson 2003-07-25 Fixed broadband networks can provide far higher data rates and capacity than the currently envisioned 3G and 4G mobile cellular systems. Achieving higher data rates is due to the unique technical properties of fixed systems, in particular, the use of high gain and adaptive antennas, wide frequency bands, dynamic data rate and channel resource allocation, and advanced multiple access techniques. Fixed Broadband Wireless System Design is a comprehensive presentation of the engineering principles, advanced engineering techniques, and practical design methods for planning and deploying fixed wireless systems, including: Point-to-point LOS and NLOS network design Point-to-point microwave link design including active and passive repeaters Consecutive point and mesh network planning Advanced empirical and physical propagation modeling including ray-tracing Detailed microwave fading models for multipath and rain NLOS (indoor and outdoor) propagation and fading models Propagation environment models including terrain, morphology, buildings, and atmospheric effects Novel mixed application packet traffic modeling for dimensioning network capacity Narrow beam, wide beam, and adaptive (smart) antennas MIMO systems and space-time coding Channel planning including fixed and dynamic channel assignment and dynamic packet assignment IEEE 802.11b and 802.11a (WLAN) system design Free space optic (FSO) link design At present, there are no such books with a concise presentation of the wide variety of systems, frequency bands, multiple access techniques, and other factors that distinguish fixed wireless systems from mobile wireless systems. Fixed Broadband Wireless System Design is essential reading for design, system and RF engineers involved in the design and deployment of fixed broadband wireless systems, and equipment vendors, and academics and postgraduate students in the field.

CISA Certified Information Systems Auditor All-in-One Exam Guide, Third Edition-Peter H. Gregory 2016-10-28 This up-to-date self-study system offers 100% coverage of every topic on the 2016 version of the CISA exam The fully revised new edition delivers complete coverage of every topic on the latest release of the Certified Information Systems Auditor (CISA) exam. Written by an IT security and auditing expert, CISA Certified Information Systems Auditor All-in-One Exam Guide, Third Edition, covers all five exam domains developed by the Information Systems Audit and Control Association (ISACA). This effective self-study system features learning objectives at the beginning of each chapter, in-depth explanations of each topic, and accurate practice questions. Each chapter includes Exam Tips that highlight key exam information, hands-on exercises, a chapter summary that serves as a quick review, and end-of-chapter questions that simulate those on the actual exam. Designed to help you pass the CISA exam with ease, this trusted guide also serves as an ideal on-the-job reference. The latest edition of this trusted resource offers complete, up-to-date coverage of all the material included on the latest release of the Certified Information Systems Auditor exam. Written by an IT security and audit expert, CISA Certified Information Systems Auditor All-in-One Exam Guide, Third Edition covers all five exam domains developed by ISACA. You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the CISA exam with ease, this comprehensive guide also serves as an essential on-the-job reference for new and established IS auditors. COVERS ALL EXAM TOPICS, INCLUDING: • IT governance and management • Information systems audit process • Information systems life-cycle management • IT service delivery and infrastructure • Information asset protection Electronic content includes: • 400 practice exam questions in the Total Tester exam engine--take full-length practice exams or customizable quizzes by exam topic (Windows only)

ITIL Foundation Exam Study Guide-Liz Gallacher 2012-08-15 Everything you need to prepare for the ITIL exam – Accredited to 2011 syllabus The ITIL (Information Technology Infrastructure Library) exam is the ultimate certification for IT service management. This essential resource is a complete guide to preparing for the ITIL Foundation exam and includes everything you need for success. Organized around the ITIL Foundation (2011) syllabus, the study guide addresses the ITIL Service Lifecycles, the ITIL processes, roles, and functions, and also thoroughly explains how the Service Lifecycle provides effective and efficient IT services. Offers an introduction to IT service management and ITIL V3 service strategy Highlights the topics of service design and development and the service management processes Reviews the building, testing, authorizing, documenting, and implementation of new and changed services into operation Addresses creating and maintaining value for customers through monitoring and improving services, processes, and technology Download valuable study tools including practice exams, flashcards, a glossary of key terms and more. If you prefer self-study over the more expensive training course, but you don't want to skimp on information or preparation, then this study guide is for you.

The Definitive Guide to Building Java Robots-Scott Preston 2006-11-07 * With this book readers might well be able to build the next Mars Rover. * First book out on Java robotics. * The biggest selling point about this book is that no one else shows readers how to combine the power of their PC with a robust programming language in Java to create exciting robotics. * The book is a great teaching aid (in robotics or software) that establishes a new paradigm for thinking about robotics along with simpler ways to do things, i.e., vs. the old way using microcontrollers.

CISA Certified Information Systems Auditor All-in-One Exam Guide, 2nd Edition-Peter H. Gregory 2011-09-05 All-in-One Is All You Need The new edition of this trusted resource offers complete, up-to-date coverage of all the material included on the latest release of the Certified Information Systems Auditor exam. Written by an IT security and audit expert, CISA Certified Information Systems Auditor All-in-One Exam Guide, Second Edition covers all five exam domains developed by the Information Systems Audit and Control Association (ISACA). You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the CISA exam with ease, this comprehensive guide also serves as an essential on-the-job reference. Covers all exam topics, including: IT governance and management IT audit process IT service delivery and infrastructure Information asset protection Electronic content includes 200+ practice exam questions.

Foundations of ITIL® 2011 Edition-Pierre Bernard 1970-01-01 For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material.This book and its predecessors have become the industry classic guide on the topic of ITIL. Over the years this authoritative guide has earned its place on the bookshelves and in the briefcases of industry experts as they implement best practices within their organizations.This version has now been upgraded to reflect ITIL 2011 Edition. Written in the same concise way and covering all the facts, readers will find that this title succinctly covers the key aspects of the ITIL 2011 Edition upgrade.The ITIL 2011 Edition approach covering the ITIL Lifecycle is fully covered. The new and re-written processes in ITIL 2011 Edition for strategy management and business relationship management are included, as well as the other new and improved concepts in ITIL 2011 Edition . This means that it is easy for all readers to access and grasp the process concepts that are so pivotal to many service management day-to-day operations. This title covers the following: Lifecycle phase: Service strategy Lifecycle phase: Service design Lifecycle phase: Service transition Lifecycle phase: Service operation Lifecycle phase: Continual service improvement

Access Control Systems-Messaoud Benantar 2006-06-18 This essential resource for professionals and advanced students in security programming and system design introduces the foundations of programming systems security and the theory behind access control models, and addresses emerging access control mechanisms.
Digital Typography Using LaTeX-Apostolos Syropoulos 2007-08-22 Using clear and concise language this book introduces new users to the use of the TeX system, in particular document preparation using LaTeX. It avoids the pitfalls of having to search through several advanced books on the subject, by collecting together the more frequently used tools and presenting these in a single accessible volume. It also describes the recent developments in multilingual typesetting using TeX that now make it straightforward for users to prepare documents in their own language and alphabet, giving the book a global readership. Topics include: multi-lingual uses of LaTeX; discussion of hardware implementations; use and misuse of particular LaTeX commands; and many others.

Zero Outage-Stephan Kasulke 2017-04-06 This reference book shows how the Zero Outage method leads to more stability in operations, more reliability in projects and, ultimately, to greater customer satisfaction. It explains why clear standards for platforms, processes and personnel are essential for ensuring high ICT quality from end to end and what to look out for during changes – the most common cause of IT outages. Readers also learn how to resolve errors as quickly as possible and permanently eliminate them, and why industry-wide collaboration will only be possible with a shared standard of quality. This book is a practical introduction to making your ICT world even more failsafe and efficient. The authors share key knowledge in quality management and offer an exclusive insight into their extensively tested and continually enhanced formula for success: the Zero Outage approach.

DevOps-Len Bass 2015-05-08 The First Complete Guide to DevOps for Software Architects DevOps promises to accelerate the release of new software features and improve monitoring of systems in production, but its crucial implications for software architects and architecture are often ignored. In DevOps: A Software Architect's Perspective, three leading architects address these issues head-on. The authors review decisions software architects must make in order to achieve DevOps' goals and clarify how other DevOps participants are likely to impact the architect's work. They also provide the organizational, technical, and operational context needed to deploy DevOps more efficiently, and review DevOps' impact on each development phase. The authors address cross-cutting concerns that link multiple functions, offering practical insights into compliance, performance, reliability, repeatability, and security. This guide demonstrates the authors' ideas in action with three real-world case studies: datacenter replication for business continuity, management of a continuous deployment pipeline, and migration to a microservice architecture. Comprehensive coverage includes • Why DevOps can require major changes in both system architecture and IT roles • How virtualization and the cloud can enable DevOps practices • Integrating operations and its service lifecycle into DevOps • Designing new systems to work well with DevOps practices • Integrating DevOps with agile methods and TDD • Handling failure detection, upgrade planning, and other key issues • Managing consistency issues arising from DevOps' independent deployment models • Integrating security into DevOps, and auditing into DevOps • Preparing a business plan for DevOps adoption, rollout, and measurement

Introducing Microsoft System Center 2012 R2-Mitch Tulloch 2014-01-15 NOTE: This title is also available as a free eBook. It is offered for sale in print format as a convenience. Get a head start evaluating System Center 2012 R2 - with technical insights from a Microsoft MVP and members of the System Center product team. This guide introduces new features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Preview new features and enhancements, including: Virtual Machine Manager App Controller Configuration Manager Data Protection Manager Operations Manager Advisor Service Manager Orchestrator

Nagios Core Administration Cookbook-Tom Ryder 2016-02-29 Over 90 hands-on recipes that will employ Nagios Core as the anchor of monitoring on your network About This Book Master the advanced configuration techniques of Nagios Core to model your network better by improving hosts, services, and contacts Filter and improve the notifications that Nagios Core sends in response to failed checks, which can greatly assist you when diagnosing problems Pull Nagios Core's data into a database to write clever custom reports of your own devise Who This Book Is For If you are a network or system administrator and are looking for instructions and examples on working with Nagios Core, then this book is for you. Some basic shell command-line experience is required, and some knowledge of scripting would be helpful when we discuss how plugins work. What You Will Learn Manage the configuration of Nagios Core with advanced techniques to achieve fine detail in your checks Find, install, and even write your own check plugins Filter notifications to send them to the right people or programs at the right time Work around difficult network accessibility issues and delegate checks to other machines Tweak a Nagios Core server to achieve both high performance and redundancy in case of disaster Process the results of checks performed by other machines to monitor backups and similar processes Extend Nagios Core to allow advanced scripting, reporting, and network visualization behavior In Detail Nagios Core is an open source monitoring framework suitable for any network that ensures both internal and customer-facing services are running correctly and manages notification and reporting behavior to diagnose and fix outages promptly. It allows very fine configuration of exactly when, where, what, and how to check network services to meet both the uptime goals of your network and systems team and the needs of your users. This book shows system and network administrators how to use Nagios Core to its fullest as a monitoring framework for checks on any kind of network services, from the smallest home network to much larger production multi-site services. You will discover that Nagios Core is capable of doing much more than pinging a host or to see whether websites respond. The recipes in this book will demonstrate how to leverage Nagios Core's advanced configuration, scripting hooks, reports, data retrieval, and extensibility to integrate it with your existing systems, and to make it the rock-solid center of your network monitoring world. Style and approach Each chapter contains a set of step-by-step recipes to perform an example of a commonly performed task related to network administration. The book begins by focusing closely on the properties and configuration of Nagios Core itself, and gradually moves on to other pieces of software that can support, manage, and extend the system.

IT Audit, Control, and Security-Robert R. Moeller 2010-10-12 When it comes to computer security, the role of auditors today has never been more crucial. Auditors must ensure that all computers, in particular those dealing with e-business, are secure. The only source for information on the combined areas of computer audit, control, and security, the IT Audit, Control, and Security describes the types of internal controls, security, and integrity procedures that management must build into its automated systems. This very timely book provides auditors with the guidance they need to ensure that their systems are secure from both internal and external threats.

CISA Certified Information Systems Auditor All-in-One Exam Guide-Peter Gregory 2009-08-16 "All-in-One is All You Need." CISA Certified Information Systems Auditor All in One Exam Guide Get complete coverage of all the material included on the Certified Information Systems Auditor exam inside this comprehensive resource. Written by an IT security and audit expert, this authoritative guide covers all six exam domains developed by the Information Systems Audit and Control Association (ISACA). You'll find learning objectives at the beginning of each chapter, exam tips, practice questions, and in-depth explanations. Designed to help you pass the CISA exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam topics, including: IS audit process IT governance Network technology and security Systems and infrastructure lifestyle management IT service delivery and support Protection of information assets Physical security Business continuity and disaster recovery

Sarbanes-Oxley and the New Internal Auditing Rules-Robert R. Moeller 2004-10-05 Sarbanes-Oxley and the New Internal Auditing Rulesthoroughly and clearly explains the Sarbanes-Oxley Act, how itimpacts auditors, and how internal auditing can help with itsrequirements, such as launching an ethics and whistle-blowerprogram or performing effective internal controls reviews under theCOSO framework. With ample coverage of emerging rules that have yetto be issued and other matters subject to change, this bookoutlines fundamental blueprints of the new rules, technologicaldevelopments, and evolving trends that impact internal auditprofessionals. Order your copy today!
VMware NSX Automation Fundamentals-Thiago Koga 2018-04-16
ITIL For Dummies-Peter Farenden 2012-04-23 Annotation An easy-to-understand introduction to using best practice techniques within IT service management, 'ITIL For Dummies' provides an easy-to-understand introduction to using best practice guidance within IT service management.

Practical DataOps-Harvinder Atwal 2019-12-09 Gain a practical introduction to DataOps, a new discipline for delivering data science at scale inspired by practices at companies such as Facebook, Uber, LinkedIn, Twitter, and eBay. Organizations need more than the latest AI algorithms, hottest tools, and best people to turn data into insight-driven action and useful analytical data products. Processes and thinking employed to manage and use data in the 20th century are a bottleneck for working effectively with the variety of data and advanced analytical use cases that organizations have today. This book provides the approach and methods to ensure continuous rapid use of data to create analytical data products and steer decision making. Practical DataOps shows you how to optimize the data supply chain from diverse raw data sources to the final data product, whether the goal is a machine learning model or other data-orientated output. The book provides an approach to eliminate wasted effort and improve collaboration between data producers, data consumers, and the rest of the organization through the adoption of lean thinking and agile software development principles. This book helps you to improve the speed and accuracy of analytical application development through data management and DevOps practices that securely expand data access, and rapidly increase the number of reproducible data products through machine learning, testing, and integration. The book also shows how to collect feedback and monitor performance to manage and continuously improve your processes and output. What You Will Learn Develop a data strategy for your organization to help it reach its long-term goals Recognize and eliminate barriers to delivering data to users at scale Work on the right things for the right stakeholders through agile collaboration Create trust in data via rigorous testing and effective data management Build a culture of learning and continuous improvement through monitoring deployments and measuring outcomes Create cross-functional self-organizing teams focused on goals not reporting lines Build robust, trustworthy, data pipelines in support of AI, machine learning, and other analytical data products This Book Is For Data and analytics professionals, such as data scientists, analysts, business analysts, business team leaders, and IT professionals (data engineers, developers, architects, and DBAs) supporting data teams who want to dramatically increase the value their organization derives from data. The book is ideal for data professionals who want to overcome challenges of long delivery time, poor data quality, high maintenance costs, and scaling difficulties in getting data science output and machine learning into customer-facing production.

Green Energetic Materials-Tore Brinck 2014-01-15 This comprehensive book presents a detailed account of research and recent developments in the field of green energetic materials, including pyrotechnics, explosives and propellants. This area is attracting increasing interest in the community as it undergoes a transition from using traditional processes, to more environmentally-friendly procedures. The book covers the entire line of research from the initial theoretical modelling and design

of new materials, to the development of sustainable manufacturing processes. It also addresses materials that have already reached the production line, as well as considering future developments in this evolving field.

Executive's Guide to IT Governance-Robert R. Moeller 2013-02-11 Create strong IT governance processes In the current business climate where a tremendous amount of importance is being given to governance, risk, and compliance (GRC), the concept of IT governance is becoming an increasingly strong component. Executive's Guide to IT Governance explains IT governance, why it is important to general, financial, and IT managers, along with tips for creating a strong governance, risk, and compliance IT systems process. Written by Robert Moeller, an authority in auditing and IT governance Practical, no-nonsense framework for identifying, planning, delivering, and supporting IT services to your business Helps you identify current strengths and weaknesses of your enterprise IT governance processes Explores how to introduce effective IT governance principles with other enterprise GRC initiatives Other titles by Robert Moeller: IT Audit, Control, and Security and Brink's Modern Internal Auditing: A Common Body of Knowledge There is strong pressure on corporations to have a good understanding of their IT systems and the controls that need to be in place to avoid such things as fraud and security violations. Executive's Guide to IT Governance gives you the tools you need to improve systems processes through IT service management, COBIT, and ITIL.

CompTIA Cloud+ Study Guide-Todd Montgomery 2018-03-16 Get ready for the CompTIA Cloud+ Exam CV0-002 with this comprehensive resource If you're looking to earn the challenging, but rewarding CompTIA Cloud+ certification—and a career in cloud services, then this book is the ideal resource for you. CompTIA Cloud+ Study Guide Exam CV0-002, 2nd Edition will not only help you prepare for taking the new CompTIA Coud+ Exam CV0-002, it will provide you with thorough coverage of the important topics that every cloud computing professional needs to be familiar with, including: configuration and deployment; security; maintenance; management; and troubleshooting. This comprehensive resource covers all aspects of cloud computing infrastructure and administration, with a practical focus on real-world skills. It provides you with a year of FREE access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a glossary of key terms. Master the fundamental concepts, terminology, and characteristics of cloud computing Deploy and implement cloud solutions, manage the infrastructure, and monitor performance Install, configure, and manage virtual machines and devices Get up to speed on hardware, testing, deployment, and more Whether you're experienced or just starting out, the Cloud+ certification identifies you as the professional these companies need to ensure safe, seamless, functional cloud services, and The CompTIA Cloud+ Study Guide Exam CV0-002 provides the tools you need to be confident on exam day.

IT Service Management-Ernest Brewster 2012-05-08 ITIL® is a framework for IT service management and provides best management practice to meet ISO/IEC 20k. The guide introduces ITIL to Foundation Examination candidates and offers a practical understanding of IT service management. This new edition is compatible with the 2011 update to ITIL®. It includes the following additional processes: business relationship management; design coordination; strategy management for IT services; transition planning and support. An ITIL® licensed product.

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