Openscape 4000 V8 Feature Description

IBM® InfoSphere® Guardium® provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administrating an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.
"I enjoyed reading this useful overview of the techniques and challenges of implementing linkers and loaders. While most of the examples are focused on three computer architectures that are widely used today, there are also many side comments

about interesting and quirky computer architectures of the past. I can tell from these war stories that the author really has been there himself and survived to tell the tale." -Guy Steele Whatever your programming language, whatever your platform, you probably tap into linker and loader functions all the time. But do you know how to use them to their greatest possible advantage? Only now, with the publication of Linkers & Loaders, is there an authoritative book devoted entirely to these deep-seated compile-time and run-time processes. The book begins with a detailed and comparative account of linking and loading that illustrates the differences among various compilers and operating systems. On top of this foundation, the author presents clear practical advice to help you create faster, cleaner code. You'll learn to avoid the pitfalls associated with Windows DLLs, take advantage of the space-saving, performance-improving techniques supported by many modern linkers, make the best use of the UNIX ELF library scheme, and much more. If you're serious about programming, you'll devour this unique guide to one of the field's least understood topics. Linkers & Loaders is also an ideal supplementary text for compiler and operating systems courses. Features: * Includes a linker construction project written in Perl, with project files available for download. * Covers dynamic linking in Windows, UNIX, Linux, BeOS, and other operating systems. * Explains the Java linking model and how it figures in network applets and extensible Java code. * Helps you write more elegant and effective code, and build applications that compile, load, and run more efficiently.

Construct a robust end-to-end solution for analyzing andvisualizing streaming data Real-time analytics is the hottest topic in data analyticstoday. In Real-Time Analytics: Techniques to Analyze andVisualize Streaming Data, expert Byron Ellis teaches dataanalysts technologies to build an effective real-time analyticsplatform. This platform can then be used to make sense of theconstantly changing data that is beginning to outpace traditionalbatch-based analysis platforms. The author is among a very few leading experts in the field. Hehas a prestigious background in research, development, analytics,real-time visualization, and Big Data streaming and is uniquelyqualified to help you explore this revolutionary field. Moving froma description of the overall analytic architecture of real-timeanalytics to using specific tools to obtain targeted results,Real-Time Analytics leverages open source and moderncommercial tools to construct robust, efficient systems that canprovide real-time analysis in a cost-effective manner. The bookincludes: A deep discussion of streaming data systems andarchitectures Instructions for analyzing, storing, and delivering streamingdata Tips on aggregating data and working with sets Information on data warehousing options and techniques Real-Time Analytics includes in-depth case studies forwebsite analytics, Big Data, visualizing streaming and mobile data,and mining and visualizing operational data flows. The book's"recipe" layout lets readers quickly learn and implement differenttechniques. All of the code examples presented in the book, alongwith their related data sets, are available on the companionwebsite.

"This book presents basic principles of geometric modelling while featuring contemporary industrial case studies"--Provided by publisher.

The "laws" that govern our physical universe come in many guises-as principles, theorems, canons, equations, axioms, models, and so forth. They may be empirical, statistical, or theoretical, their names may reflect the person who first expressed them, the person who publicized them, or they might simply describe a phenomenon. However they may be named, the discovery and application of physical laws have formed the backbone of the sciences for 3,000 years. They exist by thousands. Laws and Models: Science, Engineering, and Technology-the fruit of almost 40 years of collection and research-compiles more than 1,200 of the laws and models most frequently encountered and used by engineers and technologists. The result is a collection as fascinating as it is useful. Each entry consists of a statement of the law or model, its date of origin, a one-line biography of the people involved in its formulation, sources of information about the law, and cross-references. Illustrated and highly readable, this book offers a unique presentation of the vast and rich collection of laws that rule our universe. Everyone with an interest in the inner workings of nature-from engineers to students, from teachers to journalists-will find Laws and Models to be not only a handy reference, but an engaging volume to read and browse.

This book constitutes the refereed proceedings of the 23rd Conference on Artificial Intelligence, Canadian AI 2010, held in Ottawa, Canada, in May/June 2010. The 22

revised full papers presented together with 26 revised short papers, 12 papers from the graduate student symposium and the abstracts of 3 keynote presentations were carefully reviewed and selected from 90 submissions. The papers are organized in topical sections on text classification; text summarization and IR; reasoning and e-commerce; probabilistic machine learning; neural networks and swarm optimization; machine learning and data mining; natural language processing; text analytics; reasoning and planning; e-commerce; semantic web; machine learning; and data mining.

This new edition provides a comprehensive, colorful, up-to-date, and accessible presentation of AI without sacrificing theoretical foundations. It includes numerous examples, applications, full color images, and human interest boxes to enhance student interest. New chapters on robotics and machine learning are now included. Advanced topics cover neural nets, genetic algorithms, natural language processing, planning, and complex board games. A companion DVD is provided with resources, applications, and figures from the book. Numerous instructors' resources are available upon adoption. eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com. FEATURES: • Includes new chapters on robotics and machine learning and new sections on speech understanding and metaphor in NLP • Provides a comprehensive, colorful, up to date, and accessible presentation of AI without sacrificing theoretical

foundations • Uses numerous examples, applications, full color images, and human interest boxes to enhance student interest • Introduces important AI concepts e.g., robotics, use in video games, neural nets, machine learning, and more thorough practical applications • Features over 300 figures and color images with worked problems detailing AI methods and solutions to selected exercises • Includes DVD with resources, simulations, and figures from the book • Provides numerous instructors' resources, including: solutions to exercises, Microsoft PP slides, etc. PRINTED IN COLOR - The Russian Way of War - Force Structure, Tactics, and Modernization of the Russian Ground Forces Published by the U.S. Army Training and Doctrine Command G2's Foreign Military Studies O?ce in 2016, this book picks up where the FM 100-2 series left off and discusses Russian military structure, capabilities, and future development. Includes July 2019 BONUS materials on the following: *1K17 Szhatie (1?17 ??????) Russian "Stiletto" Laser Tank *Combat Laser System (Peresvet) Russian Laser Cannon *T-14 Armata Main Battle Tank *T-15 Heavy Infantry Combat Vehicle *Kurganets-25 Light Tracked Armored Vehicle *2S35 Koalitsiya-SV 152-mm Self-Propelled Howitzer *VPK-7829 Bumerang Modular Infantry Wheeled Fighting Vehicle Why buy a book you can download for free? We print the paperback book so you don't have to. First you gotta find a good clean (legible) copy and make sure it's the latest

version (not always easy). Some documents found on the web are missing some pages or the image quality is so poor, they are difficult to read. If you find a good copy, you could print it using a network printer you share with 100 other people (typically its either out of paper or toner). If it's just a 10-page document, no problem, but if it's 250-pages, you will need to punch 3 holes in all those pages and put it in a 3-ring binder. Takes at least an hour. It's much more cost-effective to just order the bound paperback from Amazon.com This book includes original commentary which is copyright material. Note that government documents are in the public domain. We print these paperbacks as a service so you don't have to. The books are compact, tightly-bound paperback, full-size (8 1?2 by 11 inches), with large text and glossy covers. 4th Watch Publishing Co. is a SDVOSB. https://usgovpub.com

This comprehensive text discusses the fundamentals of analog electronics applications, design, and analysis. Unlike the physics approach in other analog electronics books, this text focuses on an engineering approach, from the main components of an analog circuit to general analog networks. Concentrating on development of standard formulae for conventional analog systems, the book is filled with practical examples and detailed explanations of procedures to analyze analog circuits. The book covers amplifiers, filters, and op-amps as well as

general applications of analog design.

A very high portion of the seafood we eat comes from abroad, mainly from China and Southeast Asia, and most of the active ingredients in medicines we take originate in other countries. Many low- and middle-income countries have lower labor costs and fewer and less stringent environmental regulations than the United States, making them attractive places to produce food and chemical ingredients for export. Safe Foods and Medical Products Through Stronger Regulatory Systems Abroad explains that the diversity and scale of imports makes it impractical for U.S. Food and Drug Administration (FDA) border inspections to be sufficient to ensure product purity and safety, and incidents such as American deaths due to adulterated heparin imported from China propelled the problem into public awareness. The Institute of Medicine Committee on Strengthening Core Elements of Regulatory Systems in Developing Countries took up the vital task of helping the FDA to cope with the reality that so much of the food, drugs, biologics, and medical products consumed in the United States originate in countries with less-robust regulatory systems. Ensuring Safe Foods and Medical Products Through Stronger Regulatory Systems Abroad describes the ways the United States can help strengthen regulatory systems in low and middle income countries and promote

cross-border partnerships - including government, industry, and academia - to foster regulatory science and build a core of regulatory professionals. This report also emphasizes an array of practical approaches to ensure sound regulatory practices in today's interconnected world.

Applied Acrobat for Engineers is the first and only book to be written specifically to give engineers the skills that they need to use pdfs and Adobe Acrobat in engineering applications. Teaches the use of PDF in communication and archiving of complex documents with a specific slant towards various engineering disciplines and the related areas of architecture and construction management Better document control reduces project review and approval times Uses the progressive treatment of a sample project, throughout the book, to explain and illustrate the application of Acrobat techniques Encourages easier interaction with clients and regulatory agencies by employing a completely searchable document format which is available to all

This book constitutes the refereed proceedings of the First Asian Semantic Web Conference, ASWC 2006, held in Beijing, China, in September 2006. The 36 revised full papers and 36 revised short papers presented together with three invited contributions were carefully reviewed and selected from 208 full paper submissions. The papers are organized in topical sections.

Healthcare Information Management Systems, 4th edition, is a comprehensive volume addressing the technical, organizational and management issues confronted by healthcare professionals in the selection, implementation and management of healthcare information systems. With contributions from experts in the field, this book focuses on topics such as strategic planning, turning a plan into reality, implementation, patient-centered technologies, privacy, the new culture of patient safety and the future of technologies in progress. With the addition of many new chapters, the 4th Edition is also richly peppered with case studies of implementation. The case studies are evidence that information technology can be implemented efficiently to yield results, yet they do not overlook pitfalls, hurdles, and other challenges that are encountered. Designed for use by physicians, nurses, nursing and medical directors, department heads, CEOs, CFOs, CIOs, COOs, and healthcare informaticians, the book aims to be a indispensible reference.

This book presents the current trends, technologies, and challenges in Big Data in the diversified field of engineering and sciences. It covers the applications of Big Data ranging from conventional fields of mechanical engineering, civil engineering to electronics, electrical, and computer science to areas in pharmaceutical and biological sciences. This book consists of contributions from

various authors from all sectors of academia and industries, demonstrating the imperative application of Big Data for the decision-making process in sectors where the volume, variety, and velocity of information keep increasing. The book is a useful reference for graduate students, researchers and scientists interested in exploring the potential of Big Data in the application of engineering areas.
An information infrastructure is comprised of software, servers, storage, and networks, integrated and optimized to deliver timely, secure, and trusted information throughout the organization and to its clients and partners. With the explosive growth in data and information—coupled with demands for projects with rapid ROI—IT infrastructures and storage administrators are reaching a breaking point. IBM® can help with the changes needed to manage information availability, security, and regulatory and compliance requirements on a tighter budget. And because the health of any business often depends on its ability to take advantage of information in real time, a sound, intelligent information infrastructure becomes critical to supporting new growth initiatives. IBM offers an innovative approach to help you manage information growth more effectively and mitigate risks with a dynamic infrastructure that efficiently and securely stores and protects information, and optimizes information access. You can control, protect, manage, and gain new intelligence from your information with the IBM leading-edge Information Infrastructure products, services and integrated solutions, supported by world-class expertise and access to top experts from around the world. This IBM Redbooks® publication provides an overview of the IBM Information Infrastructure solutions that are designed to help you manage the information explosion and address challenges of

information compliance, availability, retention, and security. This will lead your company toward improved productivity, service delivery, and reduced risk, while streamlining costs.
Deployment Guide for InfoSphere GuardiumIBM Redbooks
"The island nation of Cape Verde has given rise to a diaspora that spans the four continents of the Atlantic Ocean. Migration has been essential to the island since the birth of its nation. This volume makes a significant contribution to the study of international migration and transnationalism by exploring the Cape Verdean diaspora through its geographic diversity and with a broad thematic range"--Publisher's description.
The three-volume set LNCS 6838, LNAI 6839, and LNBI 6840 constitutes the thoroughly refereed post-conference proceedings of the 7th International Conference on Intelligent Computing, ICIC 2011, held in Zhengzhou, China, in August 2011. This volume contains 93 revised full papers, from a total of 281 presentations at the conference - carefully reviewed and selected from 832 initial submissions. The papers address all issues in Advanced Intelligent Computing, especially Methodologies and Applications, including theories, methodologies, and applications in science and technology. They include a range of techniques such as artificial intelligence, pattern recognition, evolutionary computing, informatics theories and applications, computational neuroscience and bioscience, soft computing, human computer interface issues, etc.
US-Mexico border region area has unique social, demographic and policy forces at work that shape the health of its residents as well as serves as a microcosm of migration health challenges facing an increasingly mobile and globalized world. This region reflects the largest migratory flow between any two nations in the world. Data from the Pew Research Center

shows over the last 25 years there has never been lower than 140,000 annual immigrants from Mexico to the United States (with peaks over 700,000). This migratory route is extremely hazardous due to natural (e.g., arid and hot desert regions) and human made barriers as well as border enforcement practices tied to socio-political and geopolitical pressures. Also, reflecting the national interdependency of public health and human services needs, during the most recent five year period surveyed the migratory flow between the US and Mexico has equaled that of the flow of Mexico to the US--both around 1.4 million persons. Of particular public health concern, within the US-Mexico region of both nations there is among the highest disparities in income, education, infrastructure and access to health care--factors within the World Health Organization's conceptualization of the Social Determinants of Health, and among the highest rates of chronic disease. For instance obesity and diabetes rates in this region are among the highest of those monitored in the world, with adult population estimates of the former over 40% and estimates in some population sub-groups for the latter over 20%. The publications reflected in this Research Topic, all reviewed from experts in the field, addressed many of the public health issues in the US Mexico Border Health Commission's Healthy Border 2020 objectives. Those objectives-- broad public health goals used to guide a diverse range of government, research and community-based stakeholders--include Non Communicable Diseases (including adult and childhood obesity-related ones; cancer), Infectious Diseases (e.g., tuberculosis; HIV; emerging diseases--particularly mosquito borne illnesses), Maternal and Child Health, Mental Health Disorders, and Motor Vehicle Accidents. Other relevant public health issues affecting this region, for example environmental health, binational health services coordination (e.g., immunization), the impact of migration throughout

the Americas and globally in this region, health issues related to the physical climate, access to quality health care, discrimination/mistreatment and well-being, acculturative/immigration stress, violence, substance use/abuse, oral health, respiratory disease, and well-being from a social determinants of health framework, are critical areas addressed in these publications or for future research. Each of these Research Topic publications presented applied solutions (e.g., new programs, technology or infrastructure) and/or public health policy recommendations relevant to each public health challenge addressed.

Embedded Android is for Developers wanting to create embedded systems based on Android and for those wanting to port Android to new hardware, or creating a custom development environment. Hackers and moders will also find this an indispensible guide to how Android works.

This volume constitutes refereed proceedings of the Third International Conference on Smart Applications and Data Analysis, SADASC 2020, held in Marrakesh, Morocco. Due to the COVID-19 pandemic the conference has been postponed to June 2020. The 24 full papers and 3 short papers presented were thoroughly reviewed and selected from 44 submissions. The papers are organized according to the following topics: ontologies and meta modeling; cyber physical systems and block-chains; recommender systems; machine learning based applications; combinatorial optimization; simulations and deep learning.

Briefly describes Admiral Rickover's complex personality, explains how he helped create the nuclear Navy, and traces the development of nuclear powered vessels

Taiwan "is becoming the most dangerous flash point in the world for a possible

war that involves the United States, China, and probably other major powers," warn Robert D. Blackwill, Council on Foreign Relations (CFR) Henry A. Kissinger senior fellow for U.S. foreign policy, and Philip Zelikow, University of Virginia White Burkett Miller professor of history. In a new Council Special Report, The United States, China, and Taiwan: A Strategy to Prevent War, the authors argue that the United States should change and clarify its strategy to prevent war over Taiwan. "The U.S. strategic objective regarding Taiwan should be to preserve its political and economic autonomy, its dynamism as a free society, and U.S.-allied deterrence-without triggering a Chinese attack on Taiwan." "We do not think it is politically or militarily realistic to count on a U.S. military defeat of various kinds of Chinese assaults on Taiwan, uncoordinated with allies. Nor is it realistic to presume that, after such a frustrating clash, the United States would or should simply escalate to some sort of wide-scale war against China with comprehensive blockades or strikes against targets on the Chinese mainland." "If U.S. campaign plans postulate such unrealistic scenarios," the authors add, "they will likely be rejected by an American president and by the U.S. Congress." But, they observe, "the resulting U.S. paralysis would not be the result of presidential weakness or timidity. It might arise because the most powerful country in the world did not have credible options prepared for the most dangerous military

crisis looming in front of it." Proposing "a realistic strategic objective for Taiwan, and the associated policy prescriptions, to sustain the political balance that has kept the peace for the last fifty years," the authors urge the Joe Biden administration to affirm that it is not trying to change Taiwan's status; work with its allies, especially Japan, to prepare new plans that could challenge Chinese military moves against Taiwan and help Taiwan defend itself, yet put the burden of widening a war on China; and visibly plan, beforehand, for the disruption and mobilization that could follow a wider war, but without assuming that such a war would or should escalate to the Chinese, Japanese, or American homelands. "The horrendous global consequences of a war between the United States and China, most likely over Taiwan, should preoccupy the Biden team, beginning with the president," the authors conclude.

This IBM® Redpaper publication describes how to deploy Red Hat OpenShift V4.3 on IBM Power Systems servers. This book presents reference architectures for deployment, initial sizing guidelines for server, storage, and IBM Cloud® Paks. Moreover, this publication delivers information about initial supported Power System configurations for Red Hat OpenShift V4.3 deployment (bare metal, IBM PowerVM® LE LPARs, and others). This book serves as a guide for how to deploy Red Hat OpenShift V4.3 and provide start guidelines and

recommended practices for implementing it on Power Systems and completing it with the supported IBM Cloud Paks. The publication addresses topics for developers, IT architects, IT specialists, sellers, and anyone who wants to implement a Red Hat OpenShift V4.3 and IBM Cloud Paks on IBM Power Systems. This book also provides technical content to transfer how-to skills to the support teams, and solution guidance to the sales team. This book compliments the documentation that is available at IBM Knowledge Center, and also aligns with the educational offerings that are provided by the IBM Systems Technical Education (SSE).

This book is the Proceedings of a State-of-the-Art Workshop on Connenctions and the Behaviour, Strength and Design of Steel Structures held at Laboratoire de Mecanique et Technologie, Ecole Normale, Cachan France from 25th to 27th May 1987. It contains the papers presented at the above proceedings and is split into eight main sections covering: Local Analysis of Joints, Mathematical Models, Classification, Frame Analysis, Frame Stability and Simplified Methods, Design Requirements, Data Base Organisation, Research and Development Needs. With papers from 50 international contributors this text will provide essential reading for all those involved with steel structures.

Cisco Unity Connection The comprehensive guide to Cisco Unity Connection

voice messaging system design, implementation, and troubleshooting David Schulz Cisco Unity Connection presents all the concepts and techniques you need to successfully plan, design, implement, and maintain Cisco Unity Connection voice messaging systems. For every stage of the system lifecycle, enterprise voice expert David Schulz offers clear explanations, practical examples, realistic case studies, and best-practice solutions. The author begins by introducing Cisco Unity Connection's core features, capabilities, and components. Next, he provides thorough, step-by-step coverage of configuration, including users, contacts, call routing, dial plans, class of service, and templates. You will find extensive discussions of user features and access, administration and maintenance, redundancy and backup, and much more. Throughout, the author addresses many enhancements introduced in the new Cisco Unity Connection v8.5 software. This book concludes with a complete guide to troubleshooting, including case studies that identify common deployment challenges and help you build real-world problem-solving skills.

This IBM Redbooks publication is a companion to IBM System Storage Business Continuity: Part 1 Planning Guide, SG24-6547 . We assume that the reader of this book has understood the concepts of Business Continuity planning described in that book. In this book we explore IBM System Storage solutions for Business

Continuity, within the three segments of Continuous Availability, Rapid Recovery, and Backup and Restore. We position these solutions within the Business Continuity tiers. We describe, in general, the solutions available in each segment, then present some more detail on many of the products. In each case, the reader is pointed to sources of more information.

This textbook explores both the theoretical foundation of the Finite Volume Method (FVM) and its applications in Computational Fluid Dynamics (CFD). Readers will discover a thorough explanation of the FVM numerics and algorithms used for the simulation of incompressible and compressible fluid flows, along with a detailed examination of the components needed for the development of a collocated unstructured pressure-based CFD solver. Two particular CFD codes are explored. The first is uFVM, a three-dimensional unstructured pressure-based finite volume academic CFD code, implemented within Matlab. The second is OpenFOAM®, an open source framework used in the development of a range of CFD programs for the simulation of industrial scale flow problems. With over 220 figures, numerous examples and more than one hundred exercise on FVM numerics, programming, and applications, this textbook is suitable for use in an introductory course on the FVM, in an advanced course on numerics, and as a reference for CFD programmers and researchers.

This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics.
Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.
The LNAI series reports state-of-the-art results in artificial intelligence research, development, and education, at a high level and in both printed and electronic form. Enjoying tight cooperation with the R & D community, with numerous individuals, as well as with prestigious organizations and societies, LNAI has grown into the most comprehensive artificial intelligence research forum available. The scope of LNAI spans the whole range of artificial intelligence and intelligent information processing including interdisciplinary topics in a variety of application fields. The type of material published traditionally includes

proceedings (published in time for the respective conference) post-proceedings (consisting of thoroughly revised final full papers) research monographs (which may be based on PhD work) More recently, several color-cover sublines have been added featuring, beyond a collection of papers, various added-value components; these sublines include tutorials (textbook-like monographs or collections of lectures given at advance courses) state-of-the-art surveys (offering complete and mediated coverage of a topic) hot topics (introducing emergent topics to the broader community) In parallel to the printed book, each new volume is published electronically in LNCS Online. Book jacket.

Get the only official guide to the GRE® General Test that comes straight from the test makers! If you're looking for the best, most authoritative guide to the GRE General Test, you've found it! The Official Guide to the GRE General Test is the only GRE guide specially created by ETS--the people who actually make the test. It's packed with everything you need to do your best on the test--and move toward your graduate or business school degree. Only ETS can show you exactly what to expect on the test, tell you precisely how the test is scored, and give you hundreds of authentic test questions for practice! That makes this guide your most reliable and accurate source for everything you need to know about the GRE revised General Test. No other guide to the GRE General Test gives you all

this: • Four complete, real tests--two in the book and two on CD-ROM • Hundreds of authentic test questions--so you can study with the real thing • In-depth descriptions of the Verbal Reasoning and Quantitative Reasoning measures plus valuable tips for answering each question type • Quantitative Reasoning problem-solving steps and strategies to help you get your best score • Detailed overview of the two types of Analytical Writing essay tasks including scored sample responses and actual raters' comments Everything you need to know about the test, straight from the test makers!

This open access book explores the concept of Industry 4.0, which presents a considerable challenge for the production and service sectors. While digitization initiatives are usually integrated into the central corporate strategy of larger companies, smaller firms often have problems putting Industry 4.0 paradigms into practice. Small and medium-sized enterprises (SMEs) possess neither the human nor financial resources to systematically investigate the potential and risks of introducing Industry 4.0. Addressing this obstacle, the international team of authors focuses on the development of smart manufacturing concepts, logistics solutions and managerial models specifically for SMEs. Aiming to provide methodological frameworks and pilot solutions for SMEs during their digital transformation, this innovative and timely book will be of great use to

scholars researching technology management, digitization and small business, as well as practitioners within manufacturing companies.

This IBM® Redbooks® publication represents a compilation of best practices for deploying and configuring IBM Midrange System StorageTM servers, which include the DS4000® and the DS5000 family of products. This book is intended for IBM technical professionals, Business Partners, and customers responsible for the planning, deployment, and maintenance of the IBM Midrange System Storage family of products. We realize that setting up DS4000 and DS5000 Storage Servers can be a complex task. There is no single configuration that will be satisfactory for every application or situation. First, we provide a conceptual framework for understanding the hardware in a Storage Area Network. Then we offer our guidelines, hints, and tips for the physical installation, cabling, and zoning, using the Storage Manager setup tasks. After that, we turn our attention to the performance and tuning of various components and features, including numerous guidelines. We look at performance implications for various application products such as DB2®, Oracle, Tivoli® Storage Manager, Microsoft® SQL server, and in particular, Microsoft Exchange with IBM Midrange System Storage servers. Then we review the various tools available to simulate workloads and to measure, collect, and analyze performance data. We also consider the AIX®

environment, including High Availability Cluster Multiprocessing (HACMPTM) and General Parallel File System (GPFSTM). Finally, we provide a quick guide to the storage server installation and configuration using best practices. This edition of the book also includes guidelines for managing and using the DS4000 and DS5000 with the IBM System Storage SAN Volume Controller (SVC).

The Economic Survey of China assesses the country's recent macroeconomic performance and proposes policy measures to promote higher-quality growth. Policy recommendations relate to how to integrate product and labour markets and enhance inclusiveness.

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