

Enterprise Architecture For Digital Business Oracle

This book investigates solutions incorporated by architecture boards in global enterprises to resolve issues and mitigate related architecture risks, while also proposing and implementing an adaptive integrated digital architecture framework (AIDAF) and related models and approaches/platforms, which can be applied in companies to promote IT strategies using cloud/mobile IT/digital IT. The book is divided into three main parts, the first of which (Chapters 1–2) addresses the background and motivation for AIDAF in connection with IT strategies for cloud/mobile IT/digital IT. The second part (Chapter 3) provides an overview of strategic enterprise architecture (EA) frameworks and related models in the era of digital IT, elaborates on the essential elements of EA frameworks in the era of cloud/mobile IT/digital IT, and advocates using AIDAF and related models for architecture assessment/risk management and knowledge management on digital platforms. In turn, the third part (Chapters 4–7) demonstrates the application and benefits of AIDAF and several related approaches/models, as shown in three case studies. “I found this book to be a very nice contribution to the EA community of practice. I can recommend this book as a textbook for digital IT strategists/practitioners, EA practitioners, students in universities and graduate schools.” (From the Foreword by Scott A. Bernard) “In this new age of the digital information society, it is necessary to advocate a new EA framework. This book provides state-of-the-art knowledge and practices about EA frameworks beneficial for IT practitioners, IT strategists, CIO, IT architects, and even students. It serves as an introductory textbook for all who drive the information society in this era.” (From the Foreword by Jun Murai)

Data Model Patterns: A Metadata Map not only presents a conceptual model of a metadata repository but also demonstrates a true enterprise data model of the information technology industry itself. It provides a step-by-step description of the model and is organized so that different readers can benefit from different parts. It offers a view of the world being addressed by all the techniques, methods, and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) and presents several concepts that need to be addressed by such tools. This book is pertinent, with companies and government agencies realizing that the data they use represent a significant corporate resource recognize the need to integrate data that has traditionally only been available from disparate sources. An important component of this integration is management of the "metadata" that describe, catalogue, and provide access to the various forms of underlying business data. The "metadata repository" is essential to keep track of the various physical components of these systems and their semantics. The book is ideal for data management professionals, data modeling and design professionals, and data warehouse and database repository designers. A comprehensive work based on the Zachman Framework for information architecture—encompassing the Business Owner's, Architect's, and Designer's views, for all columns (data, activities, locations, people, timing, and motivation) Provides a step-by-step description of model and is organized so that different readers can benefit from different parts Provides a view of the world being addressed by all the techniques, methods and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) Presents many concepts that are not currently being addressed by such tools – and should be

“Refreshingly thought-provoking...” – The Financial Times The essential playbook for the future of your business What To Do When Machines Do Everything is a guidebook to succeeding in the next generation of

the digital economy. When systems running on Artificial Intelligence can drive our cars, diagnose medical patients, and manage our finances more effectively than humans it raises profound questions on the

future of work and how companies compete. Illustrated with real-world cases, data, and insight, the authors provide clear strategic guidance and actionable steps to help you and your organization move

ahead in a world where exponentially developing new technologies are changing how value is created. Written by a team of business and technology expert practitioners—who also authored Code Halos: How the

Digital Lives of People, Things, and Organizations are Changing the Rules of Business—this book provides a clear path to the future of your work. The first part of the book examines the once in a

generation upheaval most every organization will soon face as systems of intelligence go mainstream. The authors argue that contrary to the doom and gloom that surrounds much of IT and business at the

moment, we are in fact on the cusp of the biggest wave of opportunity creation since the Industrial Revolution. Next, the authors detail a clear-cut business model to help leaders take part in this coming

boom; the AHEAD model outlines five strategic initiatives—Automate, Halos, Enhance, Abundance, and Discovery—that are central to competing in the next phase of global business by driving new levels of

efficiency, customer intimacy and innovation. Business leaders today have two options: be swallowed up by the ongoing technological evolution, or ride the crest of the wave to new profits and better

business. This book shows you how to avoid your own extinction event, and will help you; Understand the untold full extent of technology's impact on the way we work and live. Find out where we're headed, and

how soon the future will arrive Leverage the new emerging paradigm into a sustainable business advantage Adopt a strategic model for winning in the new economy The digital world is already

transforming how we work, live, and shop, how we are governed and entertained, and how we manage our money, health, security, and relationships. Don't let your business—or your career—get left behind.

What To Do When Machines Do Everything is your strategic roadmap to a future full of possibility and success. Or peril.

About This Book This book, "Managing Digital: Concepts and Practices", is intended to guide a practitioner through the journey of building a digital-first viewpoint and the skills needed to thrive in the

digital-first world. As such, this book is a bit of an experiment for The Open Group; it isn't structured as a traditional standard or guide. Instead, it is structured to show the key issues and skills

needed at each stage of the digital journey, starting with the basics of a small digital project, eventually building to the concerns of a large enterprise. So, feel free to digest this book in stages –

the section Introduction for the student is a good guide. The book is intended for both academic and industry training purposes. This book seeks to provide guidance for both new entrants into the digital

workforce and experienced practitioners seeking to update their understanding on how all the various themes and components of IT management fit together in the new world. About The Open Group Press The

Open Group Press is an imprint of The Open Group for advancing knowledge of information technology by publishing works from individual authors within The Open Group membership that are relevant to

advancing The Open Group mission of Boundaryless Information Flow™. The key focus of The Open Group Press is to publish high-quality monographs, as well as introductory technology books intended for the

general public, and act as a complement to The Open Group Standards, Guides, and White Papers. The views and opinions expressed in this book are those of the author, and do not necessarily reflect the

consensus position of The Open Group members or staff.

A critical part of any company's successful strategic planning is the creation of an Enterprise Business Architecture (EBA) with its formal linkages. Strategic research and analysis firms have recognized

the importance of an integrated enterprise architecture and they have frequently reported on its increasing value to successful companies. Enterpr

A Field Guide to Digital Transformation is the definitive reference and tutorial for all IT professionals and decision-makers who want to understand digital transformation and successfully achieve it in

their own organizations. Best-selling IT author Thomas Erl and long-time practitioner Amin Naserour combine comprehensive coverage of digital transformation as a field of practice, and detailed guidance

for adopting digital transformation and executing projects from start to finish. Erl and Naserour present a complete tutorial on digital transformation concepts, tools, technologies and practices,

organized into a proven industry framework for adoption. Next, they offer end-to-end coverage of the full project lifecycle, walking readers through planning, defining, building, and governing

digital transformation solutions. The authors highlight common risks, pitfalls, and adoption considerations, sharing practical insights into the organizational, cultural, technological, and operational

impacts associated with digital transformation initiatives. Uniquely detailed and practical, this guide reflects the authors' deep experience driving value from digital transformation using technologies

available right now.

Provides modern enterprises with the tools to create a robust digital platform utilizing proven best practices, practical models, and time-tested techniques Contemporary business organizations can either

embrace the digital revolution or be left behind. Enterprise Content and Search Management for Building Digital Platforms provides modern enterprises with the necessary tools to create a robust digital

platform utilizing proven best practices, practical models, and time-tested techniques to compete in today's digital world. Features include: Comprehensive discussions on content strategy, content key

performance indicators (KPIs), mobile-first strategy, content assessment models, various practical techniques and methodologies successfully used in real-world digital programs, relevant case studies,

and more. Initial chapters cover core concepts of a content management system (CMS), including content strategy, CMS architecture, templates, work flow, reference architectures, information architecture,

taxonomy, and content metadata. Advanced CMS topics are then covered with chapters on integration, content standards, digital asset management (DAM), document management, content migration, evaluation,

validation, maintenance, analytics, search engine optimization (SEO), security, infrastructure, and performance. The basics of enterprise search technologies are explored next, including enterprise search

features, advanced search methods, and other enterprise search concepts. An accompanying book support website provides additional material such as various content templates, checklists, and content case

studies; along with an illuminating end-to-end digital program case study. Enterprise Content and Search Management for Building Digital Platforms: Offers a comprehensive guide to understanding and

learning new methodologies, techniques, and models for the creation of an end-to-end digital system Addresses a wide variety of proven best practices, reference architecture, and deployed techniques in

content management and enterprise search space which can be readily used for digital programs Covers the latest digital trends such as mobile-first strategy, responsive design, adaptive content design,

micro services architecture, and semantic search; and also utilizes sample reference architecture for implementing solutions Features numerous case studies to enhance comprehension, including a complete

end-to-end digital program case study Provides readily usable content management checklists and reusable templates for defining content strategy, CMS evaluation, search evaluation, and DAM evaluation that

can be found on the book support website Comprehensive and cutting-edge, this book is an invaluable reference resource for creating an optimal enterprise digital eco-system to meet the challenges of

today's hyper-connected world.

Driven by the need and desire to reduce costs, organizations are faced with a set of decisions that require analytical scrutiny. Enterprise Architecture A to Z: Frameworks, Business Process Modeling, SOA,

and Infrastructure Technology examines cost-saving trends in architecture planning, administration, and management. To establish a framework for discussion, this book begins by evaluating the role of

Enterprise Architecture Planning and Service-Oriented Architecture (SOA) modeling. It provides an extensive review of the most widely deployed architecture framework models. In particular, the book

discusses The Open Group Architecture Framework (TOGAF) and the Zachman Architectural Framework (ZAF) in detail, as well as formal architecture standards and all four layers of these models: the business

architecture, the information architecture, the solution architecture, and the technology architecture. The first part of the text focuses on the upper layers of the architecture framework, while the

second part focuses on the technology architecture. In this second section, the author presents an assessment of storage technologies and networking and addresses regulatory and security issues.

Additional coverage includes high-speed communication mechanisms such as Ethernet, WAN and Internet communication technologies, broadband communications, and chargeback models. Daniel Minoli has written a

number of columns and books on the high-tech industry and has many years of technical hands-on and managerial experience at top financial companies and telecom/networking providers. He brings a wealth of

knowledge and practical experience to these pages. By reviewing the strategies in this book, CIOs, CTOs, and senior managers are empowered by a set of progressive approaches to designing state-of-the-art

IT data centers.

[2019 1st International Conference on Cybernetics and Intelligent System \(ICORIS\)](#)

[Proceedings of the Second International Conference on Digital Enterprise Design and Management DED&M 2014](#)

[Modelling Enterprise Architectures \(IET Professional Applications of Computing Series\)](#)

[Enterprise Business Architecture](#)

[Code Halos](#)

[Enterprise Architecture at Work](#)

[Creating a Foundation for Business Execution](#)

[Architecting the Digital Transformation](#)

[Frameworks, Business Process Modeling, SOA, and Infrastructure Technology](#)

[Enterprise Architecture for Digital Business](#)

[An Introduction to Enterprise Architecture](#)

[Advanced Information Systems Engineering Workshops](#)

"This book is a valuable addition to the reading list of executives, managers, and staff in business, government, and other sectors who seek to keep their enterprises agile and efficient as they manage change, implement new business processes and supporting technologies, and pursue important strategic goals"—Provided by publisher.

Enterprise Architecture (EA) is an essential part of the fabric of a business; however, EA also transcends and transforms technology and moves it into the business space. Therefore, EA needs to be discussed in an integrated, holistic, and comprehensive manner. Only such an integrated approach to

EA can provide the foundation for a transformation that readies the business for the myriad enterprise-wide challenges it will face. Highly disruptive technologies such as Big Data, Machine Learning, and Mobile and Cloud Computing require a fine balance between their business and technical aspects

as an organization moves forward with its digital transformation. This book focuses on preparing all organizations – large and small – and those wishing to move into them for the impact of leveraging these emerging, disruptive, and innovative technologies within the EA framework.

Remaining competitive in the retail industry of South Africa in the digital age is a major business concern. In the age of „digital natives“, people are well-connected on various digital technology platforms and are digital consumers. Digital technologies offer retail organizations new innovative ways to

create value by utilizing digital business strategies, processes, and products. This qualitative research study explores the perception of retail strategy experts and decision-makers toward realignment of IT and business strategies considering digital transformation in South Africa. Based on interviews

with seven managers and decision-makers in the retail industry, the study reveals that digital technologies have disrupted traditional ways of doing business. The study proposes eight major recommendations, in which retail traders could innovate their business strategy to enhance value creation

beyond traditional approaches to retailing. It provides a good starting point for academic research in a domain that is deficient in theoretical and empirical research on the South Africa retail sector, and offers retailing managers a conceptual model to guide them toward a digital business strategy for

transient competitive advantages.

Enterprise Architecture (EA) is the technical fabric of an enterprise. However, EA also transcends technology and moves into business space. Therefore, EA needs to be discussed in an integrated, holistic manner. Only such an integrated EA can provide the necessary basis for a business

transformation that makes the business ready for the myriad business and technological challenges it will invariably face. For example, Big Data, mobile and cloud computing are all highly disruptive technologies that require a fine balance between their business and technical aspects as the

organization moves forward. The book focuses on preparing organizations for the impact of these disruptive technologies.

The design of digital solutions has become a pressing concern for practitioners faced with a plethora of technology impacting their business. From cloud computing to social networks, mobile computing and big data, to the emerging of Internet of things, all of which are changing how enterprise

products, services, rooms and buildings are connected to the wider ecosystem of networks and services. This book defines digital ecosystems with examples from real industry cases and explores how enterprise architecture is evolving to enable physical and virtual, social, and material object

collaboration and experience. The key topics covered include: Concepts of digitization Types of technological ecosystems Architecting digital workspaces Principles of architecture design Examples architecting digital business models Examples of digital design patterns Methods of monetization

Conclusions

"In this book, Vivek Kale makes an important contribution to the theory and practice of enterprise architecture ... this book captures the breadth and depth of information that a modern enterprise architecture must address to effectively support an agile enterprise. This book should have a place in

every practicing architect's library." —John D. McDowall, Author of Complex Enterprise Architecture Digital Transformation of Enterprise Architecture is the first book to propose Enterprise Architecture (EA) as the most important element (after Business Models) for digital transformation of enterprises.

This book makes digital transformation more tangible by showing the rationale and typical technologies associated with it, and these technologies in turn reveal the essence of digital transformation. This book would be useful for analysts, designers and developers of future-ready agile application

systems. This book proposes that it is the perennial quest for interoperability & portability, scalability, availability, etc., that has directed and driven the evolution of the IT/IS industry in the past 50 years. It is this very quest that has led to the emergence of technologies like service-oriented, cloud, and

big data computing. In addition to the conventional attributes of EA like interoperability, scalability and availability, this book identifies additional attributes of mobility, ubiquity, security, analyticity, and usability. This pragmatic book: Identifies three parts effort for any digital transformation: Business

Models, Enterprise Architectures and Enterprise Processes. Describes eight attributes of EA: interoperability, scalability, availability, mobility, ubiquity, security, analyticity, and usability. Explains the corresponding technologies of service-oriented, cloud, big data, context-aware, Internet of Things

(IoT), blockchain, soft, and interactive computing. Briefs on auxiliary technologies like integration, virtualization, replication, spatio-temporal databases, embedded systems, cryptography, data mining, and interactive interfaces that are essential for digital transformation of enterprise architecture.

Introduces interactive interfaces like voice, gaze, gesture and 3D interfaces. Provides an overview of blockchain computing, soft computing, and customer interaction systems. Digital Transformation of Enterprise Architecture proposes that to withstand the disruptive digital storms of the future,

enterprises must bring about digital transformation, i.e. a transformation that affects an exponential change (amplification or attenuation) in any aspect of the constituent attributes of EA. It proposes that each of these technologies (service-oriented, cloud, big data, context-aware, IoT, blockchain, soft,

and interactive computing) bring about digital transformation of the corresponding EA attribute viz. interoperability, scalability, availability, mobility, ubiquity, security, analyticity, and usability.

Based on an extensive study of the actual industry best practices, this book provides a systematic conceptual description of an EA practice and offers practically actionable answers to the key questions related to enterprise architecture.

Technical advancements are an important part of modern society, but particularly important in the business world. The success or failure of business operations can be affected by the technical operations working within it. Technology, Innovation, and Enterprise Transformation addresses the crucial

relationship between a business and its technical implementations, and how current innovations are changing how the industry operates. Highlighting current theoretical frameworks, novel empirical research discoveries, and fundamental literature surveys, this book is an essential reference source for

academicians, professionals, and researchers who are interested in the latest technical insights within the business field.

[Data Model Patterns: A Metadata Map](#)

[Enriching EA with Lean, Agile, and Enterprise 2.0 practices](#)

[CAiSE 2015 International Workshops, Stockholm, Sweden, June 8-9, 2015, Proceedings](#)

[The Business Case, Framework and Best Practices for Building Your Enterprise Architecture](#)

[How to Get Ahead in a World of AI, Algorithms, Bots, and Big Data](#)

[Third Edition](#)

[A Modern Approach to Business and IT Alignment](#)

[A Guide to Enterprise Architecting Digital Technologies in the Digital Enterprise](#)

[Enterprise, Business-Process and Information Systems Modeling](#)

[Building Digital Ecosystem Architectures](#)

[Six Questions to Help You Build the Next-Generation Enterprise](#)

[Digital Business, Technology, Decision Support, Management](#)

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

We are in a frenetic and a convoluted digital age. Every organisation strives to transform its business to stay competitive in this exponentially growing digital world. Digital transformation became pervasive and ubiquitous in all business ventures. This new norm of constant transformation requires architecting our business and underlying technology stacks rapidly. Establishing agile business architecture frameworks are fundamental requirements to achieve successful digital transformation outcomes. In this book, I attempt to share my knowledge and experience using a rigorous yet agile architectural method. My aim is to add accelerated value to the broader business architecture and digital transformation communities by focusing on the practical aspect with minimal emphasis on the theoretical aspect. The content in this book is based on my architectural thought leadership experience gained in multiple large business and enterprise architecture initiatives, focusing on business capabilities, digital transformation initiatives, and enterprise modernisation engagements, reflecting hard lessons learned in these applied settings. In this book, I attempt to redefine the role of business architects as primary leaders for digital transformation programs. The content reflects my experience and observations from the field. As a caveat, this book is not based on theories in the traditional business architecture textbooks which may conflict with my experience. My beta readers found this as a unique guide reflecting reality from the field. Hope it adds new insights for your role in the business digital transformation initiatives.

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This is the first book that addresses all three main activities in improving business and technology decisions: the planning, design and assessment of enterprise architectures (EAs). Emphasis is on medium and large-size organizations in the private sector (such as banks, airlines and auto industries) and the public sector (such as federal agencies, local government organizations and military services in the Department of Defense). The book addresses the challenges faced by EA builders through an organized presentation of the issues and a step-by-step approach. The material is based on real-life EA project experience and lessons learned over a decade working in multiple-contractor, multiple-discipline teams, and multiple-agency environments.

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It is important that these different aspects of the business are not only understood, but also that they are consistent and congruent with one another. The creation of an effective Enterprise Architecture (EA) provides a means by which an organisation can obtain such an understanding. --

Enterprise architecture requires an understanding of all technologies, strategies, and data consumption throughout the enterprise. To this end, one must strive to always broaden knowledge of existing, as well as emerging trends and solutions. As a trade, this role demands an understanding beyond the specificities of technologies and vendor products

This book gathers together a critical body of knowledge on what enterprise architecture (EA) is and how it can be used to better organize the functions of systems across an enterprise for an effective business-IT alignment. The chapters provide a solid foundation for a cross-disciplinary professional practice.

[Handbook of Enterprise Systems Architecture in Practice](#)

[What To Do When Machines Do Everything](#)

[A Systemic Perspective to Managing Complexity with Enterprise Architecture](#)

[Designed for Digital](#)

[Digital Transformation. The Realignment of Information Technology and Business Strategies for Retailers in South Africa](#)

[Sustainable Enterprise Architecture](#)

[Integrated Transformation Strategies](#)

[Enterprise Architecture for Global Companies in a Digital IT Era](#)

[Architectural Leadership for Competitive Business Value](#)

[Enterprise Architectures And Digital Administration: Planning, Design, And Assessment](#)

Collaborative Enterprise Architecture

Lankhorst and his co-authors present ArchiMate® 3.0, enterprise modelling language that captures the complexity of architectural domains and their relations and allows the construction of integrated enterprise architecture models. They provide architects with concrete instruments that improve their architectural practice. As this is not enough, they additionally present techniques and heuristics for communicating with all relevant stakeholders about these architectures. Since an architecture model is useful not only for providing insight into the current or future situation but can also be used to evaluate the transition from 'as-is' to 'to-be', the authors also describe analysis methods for assessing both the qualitative impact of changes to an architecture and the quantitative aspects of architectures, such as performance and cost issues. The modelling language presented has been proven in practice in many real-life case studies and has been adopted by The Open Group as an international standard. So this book is an ideal companion for enterprise IT or business architects in industry as well as for computer or management science students studying the field of enterprise architecture. This fourth edition of the book has been completely reworked to be compatible with ArchiMate® 3.0, and it includes a new chapter relating this new version to other standards. New sections on capability analysis, risk analysis, and business architecture in general have also been introduced.

This book frames business analysis in the context of digital technologies. It introduces modern business analysis techniques, including a selection of those in the Business Analysis Body of Knowledge (BABOK) by the International Institute of Business Analysis (IIBA), and exemplifies them by means of digital technologies applied to solve problems or exploit new business opportunities. It also includes in-depth case studies in which business problems and opportunities, drawn from real-world scenarios, are mapped to digital solutions. The work is summarized in seven guiding principles that should be followed by every business analyst. This book is intended mainly for students in business informatics and related areas, and for professionals who want to acquire a solid background for their daily work. It is suitable both for courses and for self-study. Additional teaching materials such as lecture videos, slides, question bank, exams, and seminar materials are accessible on the companion web-page.

An Introduction to Enterprise Architecture is the culmination of several decades of experience that I have gained through work initially as an information technology manager and then as a consultant to executives in the public and private sectors. I wrote this book for three major reasons: (1) to help move business and technology planning from a systems and process-level view to a more strategy-driven enterprise-level view, (2) to promote and explain the emerging profession of EA, and (3) to provide the first textbook on the subject of EA, which is suitable for graduate and undergraduate levels of study. To date, other books on EA have been practitioner books not specifically oriented toward a student who may be learning the subject with little to no previous exposure. Therefore, this book contains references to related academic research and industry best practices, as well as my own observations about potential future practices and the direction of this emerging profession.

Practical advice for redesigning "big, old" companies for digital success, with examples from Amazon, BNY Mellon, LEGO, Philips, USAA, and many other global organizations. Most established companies have deployed such digital technologies as the cloud, mobile apps, the internet of things, and artificial intelligence. But few established companies are designed for digital. This book offers an essential guide for retooling organizations for digital success. In the digital economy, rapid pace of change in technology capabilities and customer desires means that business strategy must be fluid. As a result, the authors explain, business design has become a critical management responsibility. Effective business design enables a company to quickly pivot in response to new competitive threats and opportunities. Most leaders today, however, rely on organizational structure to implement strategy, unaware that structure inhibits, rather than enables, agility. In companies that are designed for digital, people, processes, data, and technology are synchronized to identify and deliver innovative customer solutions—and redefine strategy. Digital design, not strategy, is what separates winners from losers in the digital economy. Designed for Digital offers practical advice on digital transformation, with examples that include Amazon, BNY Mellon, DBS Bank, LEGO, Philips, Schneider Electric, USAA, and many other global organizations. Drawing on five years of research and in-depth case studies, the book is an essential guide for companies that want to disrupt rather than be disrupted in the new digital landscape. Five Building Blocks of Digital Business Success Shared Customer Insights Operational Backbone Digital Platform Accountability Framework External Developer Platform

"This book highlights the current advances in utilizing enterprise architecture for managing organizational complexity by demonstrating its value and usefulness"--

Harness "Code Halos" to gain competitive advantage in the digital era Amazon beating Borders, Netflix beating Blockbuster, Apple beating Kodak, and the rise of companies like Google, LinkedIn, and Pandora are not isolated or random events. Today's outliers in revenue growth and value creation are winning with a new set of rules. They are dominating by managing the information that surrounds people, organizations, processes, and products—what authors Malcolm Frank, Paul Roehrig, and Ben Pring call Code Halos. This is far beyond "Big Data" and analytics. Code Halos spark new commercial models that can dramatically flip market dominance from industry stalwarts to challengers. In this new book, the authors show leaders how digital innovators and traditional companies can build Code Halo solutions to drive success. The book: Examines the explosion of digital information that now surrounds us and describes the profound impact this is having on individuals, corporations, and societies; Shows how the Crossroads Model can help anticipate and navigate this market shift; Provides examples of traditional firms already harnessing the power of Code Halos including GE's "Brilliant Machines," Disney's theme park "Magic Band," and Allstate's mobile devices and analytics that transform auto insurance. With reasoned insight, new data, real-world cases, and practical guidance, Code Halos shows seasoned executives, entrepreneurs, students, line-of-business owners, and technology leaders how to master the new rules of the Code Halo economy.

Enterprise Architecture for Digital Business Integrated Transformation Strategies Auerbach Publications

The book attempts to answer a few of the common questions related to Enterprise Architecture (EA) and SOA. What are the issues? What is EA? Why should an organization consider EA? How to build the Enterprise Architecture and document it. What are the roadblocks, politics, governance, process and design method? How to measure the value delivered by EA and its maturity and how to select an Enterprise Architect? An innovative EA Framework, the associated metamodel and generic Enterprise Reference Maps (templates) for the business process, applications and infrastructure layers are proposed. The framework looks like a content page showing the chapters of a book or, in this case, the components of the Enterprise Architecture without actually describing them but showing how they fit into the whole. The book then identifies and summarises Best Practices in the Enterprise Architecture and SOA development, EA patterns, the integration to the mundane solution architecture, delivery checklists. The book is intended to be a document summarising why and how to build an Enterprise Architecture.

[Digital Master: Debunk the Myths of Enterprise Digital Maturity](#)

[Technology, Innovation, and Enterprise Transformation](#)

[Agile Business Architecture for Digital Transformation](#)

[Adaptive Integrated Digital Architecture Framework \(AIDAF\)](#)

[Enterprise Architecture As Strategy](#)

[The Formal Link between Strategy and Results](#)

[A Field Guide to Digital Transformation](#)

[How to Architect Your Business for Sustained Success](#)

[Enterprise Architecture A to Z](#)

[Digital Transformation of Enterprise Architecture](#)

[Managing Digital](#)

[Enterprise Content and Search Management for Building Digital Platforms](#)

This book contains all refereed papers that were accepted to the second edition of the « Digital Enterprise Design & Management » (DED&M 2014) international conference that took place in Paris (France) from February 4 to February 5, 2014. These proceedings cover the most recent trends in the emerging field of Digital Enterprise, both from an academic and a professional perspective. A special focus is put on digital uses, digital strategies, digital infrastructures and digital governance from an Enterprise Architecture point of view. The DED&M 2014 conference is organized under the guidance of the Center of Excellence on Systems Architecture, Management, Economy and Strategy and benefits from the supports of both the Orange - Ecole Polytechnique - Télécom ParisTech "Innovation and Regulation" Chair and the Dassault Aviation - DCNS - DGA - Thales - Ecole Polytechnique - ENSTA ParisTech - Télécom ParisTech "Complex Systems Engineering" Chair.

This book constitutes the thoroughly refereed proceedings of seven international workshops held in Stockholm, Sweden, in conjunction with the 27th International Conference on Advanced Information Systems Engineering, CAISE 2015, in June 2015. The 38 full and nine short papers were carefully selected from 107 submissions. The workshops were the Second International Workshop on Advances in Services Design based on the Notion of Capability (ASDENCA), the Third International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE), the First International Workshop on Digital Business Innovation and the Future Enterprise Information Systems Engineering (DiFenSE), the First International Workshop on Enterprise Modeling (EM), the First Workshop on the Role of Real-World Objects in Business Process Management Systems (RW-BPMS), the 10th International Workshop on Trends in Enterprise Architecture Research (TEAR), and the 5th International Workshop on Information Systems Security Engineering (WISSE).

The purpose of DIGITAL MASTER is to envision the multidimensional impact that digital philosophy, technology, and methodology will have on the future of business and human society. In today's overly complex, hyperconnected, and interdependent business dynamic, Digital Masters - the highly mature organizations - not only apply the most advanced digital technology into their business management disciplines but, more importantly, they orchestrate the harmonized digital symphony across all key business arenas, from shaping the digital mindset to building the high performing organization: • Develop visionary digital leadership • Shape open and creative digital mindsets • Craft and execute a holistic digital strategy • Advocate digital innovation next practices • Refine a highly effective enterprise culture • Optimize high-performing business capabilities • Explore data-rich digital intelligence • Unleash enriched digital talent potential • Pursue high level digital maturity

Does it seem you've formulated a rock-solid strategy, yet your firm still can't get ahead? If so, construct a solid foundation for business execution—an IT infrastructure and digitized business processes to automate your company's core capabilities. In Enterprise Architecture as Strategy: Creating a Foundation for Business Execution, authors Jeanne W. Ross, Peter Weill, and David C. Robertson show you how. The key? Make tough decisions about which processes you must execute well, then implement the IT systems needed to digitize those processes. Citing numerous companies worldwide, the authors show how constructing the right enterprise architecture enhances profitability and time to market, improves strategy execution, and even lowers IT costs. Though clear, engaging explanation, they demonstrate how to define your operating model—your vision of how your firm will survive and grow—and implement it through your enterprise architecture. Their counterintuitive but vital message: when it comes to executing your strategy, your enterprise architecture may matter far more than your strategy itself.

Signal Processing and Analysis, Computing and Processing, Communication, Networking, Security and Broadcasting, Power Energy and Industrial Application, Information System and Multimedia, Robotics and Control

Digital transformation is not about technology—it's about change. In the rapidly changing digital economy, you can't succeed by merely tweaking management practices that led to past success. And yet, while many leaders and managers recognize the threat from digital—and the potential opportunity—they lack a common language and compelling framework to help them assess it and guide them in responding. They don't know how to think about their digital business model. In this concise, practical book, MIT digital research leaders Peter Weill and Stephanie Woerner provide a powerful yet straightforward framework that has been field-tested globally with dozens of senior management teams. Based on years of study at the MIT Center for Information Systems Research (CISR), the authors find that digitization is moving companies' business models on two dimensions: from value chains to digital ecosystems, and from a fuzzy understanding of the needs of end customers to a sharper one. Looking at these dimensions in combination results in four distinct business models, each with different capabilities. The book then sets out six driving questions, in separate chapters, that help managers and executives clarify where they are currently in an increasingly digital business landscape and highlight what's needed to move toward a higher-value digital business model. Filled with straightforward self-assessments, motivating examples, and sharp financial analyses of where profits are made, this smart book will help you tackle the threats, leverage the opportunities, and create winning digital strategies.

This research-oriented book presents key contributions on architecting the digital transformation. It includes the following main sections covering 20 chapters: · Digital Transformation · Digital Business · Digital Architecture · Decision Support · Digital Applications Focusing on digital architectures for smart digital products and services, it is a valuable resource for researchers, doctoral students, postgraduates, graduates, undergraduates, academics and practitioners interested in digital transformation.

[Integrating Business Processes with IT Infrastructure](#)

[What's Your Digital Business Model?](#)

[Digital Enterprise Design & Management](#)

[Modelling, Communication and Analysis](#)

[An Enterprise Architecture Development Framework](#)

[Digital Business Analysis](#)

[The Practice of Enterprise Architecture](#)

[How the Digital Lives of People, Things, and Organizations are Changing the Rules of Business](#)

[Designing Enterprise Architecture Frameworks](#)