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# Operations Management Chapter 4 Solutions

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Analytics and Decision Support in Health Care Operations Management  
Technological Solutions for Modern Logistics and Supply Chain Management  
Third Edition  
Implementing Operations Management Suite  
IoT Solutions in Microsoft's Azure IoT Suite  
Operations Management  
A Practical Guide to OMS, Azure Site Recovery, and Azure Backup  
Contemporary Concepts and Cases  
Software Defined Data Center with Red Hat Cloud and Open Source IT Operations Management  
IBM Private, Public, and Hybrid Cloud Storage Solutions  
Matching Supply with Demand  
Operations Management  
System Center 2012 Operations Manager Unleashed  
Production and Operations Management  
Planning, Design, and Control through Interdisciplinary Methodologies  
EBOOK: Operations Management  
A Systems Model-building Approach  
Sustainable Food Supply Chains  
Competitiveness and Sustainability  
The Shortcut Guide to Automating Network Management and Compliance  
An Introduction to Management Science: Quantitative Approach  
Achieving and Sustaining Secured Business Operations  
Applied Systems Theory  
Data Acquisition and Analysis in the Real World  
Production and Operation Management Solutions Manual  
Operations Management (Arab World Edition)  
Strategic Information Technology Plan FY 1998-2003  
Implementing VxRail HCI Solutions  
Strategic Information Technology Plan  
An Introduction to Management Science: Quantitative Approaches to Decision Making  
ISA-95 Best Practices Book 1.0  
Mastering vRealize Operations Manager  
A complete guide to VxRail Appliance administration and configuration  
A MODERN CONCEPT  
Theory and Practice  
Analyze and optimize your IT environment by gaining a practical understanding of vRealize Operations 6.6, 2nd Edition  
The Hitchhiker's Guide to Operations Management  
An Executive's Guide to Planning and Management

**TANIYA RAMOS**

*Analytics and Decision Support in Health Care Operations Management* IBM Redbooks

This book takes a pedagogical approach that is participative and interactive, involving the case study method of learning. Chapters start with an Indian case study of a well known company. This is used as a capstone case for the chapter. The student will find this an easy learning experience as data and additional information for these enterprises is readily available. The selection of such cases makes classroom learning truly suited to the Indian business environment. The value driven approach to Operations Management is used in structuring the text into three modules. The first module discusses the infrastructure function of Operations Management. Infrastructure function is considered to be product, process, capacity and location. Module Two describes the structure of the operations function. This includes quality and other product transformation processes. Module Three focuses on the organization, people and processes i.e. the job, the work, and the workplace. In addition, most of the mathematical techniques have been separated into supplements attached to the relevant chapters. Software solutions for the techniques have been explained in the text. Every mathematical technique is exemplified with a number of solved problems. Unlike many Production and Operations Management texts, this book covers E-commerce, Industrial Safety, Maintenance, Environmental Management (Green Productivity) and new technological trends in the discipline. These sections should add to the significance of exploring how firms can gain competitive advantage and promote sustainable development at the same time. The last section of the book comprises of a selection of cases from The Indian Institute of Management at Ahmedabad. The cases encompass the entire spectrum of Indian Industry the private and the public sectors, professional and family managed business organizations, service and manufacturing industries, single industry and conglomerates. The cases relate to Operations Strategy, Supply Chain Management, Capacity Planning, New Products, Manufacturing Technologies, etc. The Case Studies are of world class. Prof. Tirupati, one of the authors of the case studies, according to Management Science, has penned one of the top 100 management articles in the 50 years. The book is comprehensive, lucid and easy to read and understand. It should be of great value both to students and faculty.

Technological Solutions for Modern Logistics and Supply Chain Management Apress

Technological innovation and evolution continues to improve personal and professional lifestyles, as well as general organizational and business practices; however, these advancements also create potential issues in the security and privacy of the user's information. Innovative Solutions for Access Control Management features a comprehensive discussion on the trending topics and emergent research in IT security and governance. Highlighting theoretical frameworks and best practices, as well as challenges and solutions within the topic of access control and management, this publication is a pivotal reference source for researchers, practitioners, students, database vendors, and organizations within the information technology and computer science fields.

Third Edition Pearson Education India

Plan, design, deploy, and administer the solutions available in VxRail Appliance Key Features Learn how to plan and design the VxRail HCI system Understand VxRail's administration, lifecycle management, and cluster scale-out Explore migration methodologies for VxRail systems Book Description Hyper-converged infrastructure (HCI) can help you simplify the provisioning and daily operations of computing and storage. With this book, you'll understand how HCI can offload the day 0 deployment and day-to-day operations of a system administrator. You'll explore the VxRail Appliance, which is an HCI solution that provides lifecycle management, automation, and operational simplicity. Starting with an overview of the VxRail Appliance system architecture and components, you'll understand the benefits of the VxRail system and compare it with the environment of traditional servers and storage. As you advance, the book covers topics such as disaster recovery and active-active and active-passive solutions for VxRail. By the end of this book, you'll have gained the confidence to manage the deployment, administration, planning, and design of a VxRail system. What you will learn Set up the hardware and software requirements for a VxRail installation Monitor the status of VxRail appliances with the VxRail Manager plugin Get to grips with all the administration interfaces used to manage the VxRail appliance Understand vCenter roles and permissions management in the VxRail cluster Discover best practices for vSAN configuration in the VxRail cluster Find out about VxRail cluster scale-out rules and how to expand the VxRail cluster Deploy active-passive solutions for VxRail with VMware Site Recovery Manager (SRM) Who this book is for If you are a system architect, system administrator, or consultant involved in planning and deploying VxRail HCI or want to learn how to use VxRail HCI, then this book is for you. Equivalent knowledge and administration experience with ESXi and vCenter Server will be helpful.

Implementing Operations Management Suite BoD – Books on Demand

Decision Making in Systems Engineering and Management is a comprehensive textbook that provides a logical process and analytical techniques for fact-based decision making for the most challenging systems problems. Grounded in systems thinking and based on sound systems engineering principles, the systems decisions process (SDP) leverages multiple objective decision analysis, multiple attribute value theory, and value-focused thinking to define the problem, measure stakeholder value, design creative solutions, explore the decision trade off space in the presence of uncertainty, and structure successful solution implementation. In addition to classical systems engineering problems, this approach has been successfully applied to a wide range of challenges including personnel recruiting, retention, and management; strategic policy analysis; facilities design and management; resource allocation; information assurance; security systems design; and other settings whose structure can be conceptualized as a system.

Focused Operations Management for Health Services Organizations

Gain a strong understanding of the role of management science in the decision-making process

while mastering the latest advantages of Microsoft Office Excel 365 with

Camm/Cochran/Fry/Ohlmann/Anderson/Sweeney/Williams' AN INTRODUCTION TO MANAGEMENT SCIENCE: QUANTITATIVE APPROACHES TO DECISION MAKING, 16E. This market-leading edition uses a proven problem-scenario approach in a new full-color design as the authors introduce each

quantitative technique within an application setting. You learn to apply the management science model to generate solutions and make recommendations for management. Updates clarify concept explanations while new vignettes and problems demonstrate concepts at work. All data sets, applications and screen visuals reflect the details of Excel 365 to prepare you to work with the latest spreadsheet tools. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

#### **IoT Solutions in Microsoft's Azure IoT Suite** Packt Publishing Ltd

Manage vRealize operations manager 6.6 effectively using this comprehensive guide. Key Features Get complete control of capacity management in your virtual environment Display the most appropriate performance metrics and assemble your own dashboard Analyze and process data from different sources into a single repository Optimize vRealize Automation workload placement Book Description In the modern IT world, the criticality of managing the health, efficiency, and compliance of virtualized environments is more important than ever. With vRealize Operations Manager 6.6, you can make a difference to your business by being reactive rather than proactive. Mastering vRealize Operations Manager helps you streamline your processes and customize the environment to suit your needs. You will gain visibility across all devices in the network and retain full control. With easy-to-follow, step-by-step instructions and support images, you will quickly master the ability to manipulate your data and display it in a way that best suits you and your business or technical requirements. This book not only covers designing, installing, and upgrading vRealize Operations 6.6, but also gives you a deep understanding of its building blocks: badges, alerts, super metrics, views, dashboards, management packs, and plugins. With the new vRealize Operations 6.6 troubleshooting capabilities, capacity planning, intelligent workload placement, and additional monitoring capabilities, this book is aimed at ensuring you get the knowledge to manage your virtualized environment as effectively as possible. What you will learn Discover advanced vRealize Operations concepts and design your processes effectively for the underlying architecture Plan and install a new version or upgrade from a previous one Apply proven capacity management theories and techniques in practical, real-world environments Manipulate data and metrics to display them in the most effective way possible Create custom views and dashboards fit for any use case Explore how policies have evolved in vRealize Operations 6.6 and how to apply them in the most effective manner Who this book is for If you are an administrator of a virtual environment and have used vRealize Operations before but want to gain a professional understanding by easily implementing complex tasks with it, then this book is for you.

*Operations Management* Cengage Learning

Learn how to protect, back up, recover, and monitor your data and infrastructure in the cloud with Microsoft's Operations Management Suite (OMS), Azure Backup, and Azure Site Recovery. Implementing Operations Management Suite starts with an overview of the Operations Management Suite, followed by an introduction to Azure virtual machines and virtual networks. Chapters cover Azure Backup and how to configure it, followed by deep dives into aspects of Azure Site Recovery (ASR): how it works, how to configure it, how to streamline your disaster recovery failover from on-premises to Azure, and so on. Learn about protection groups, how to perform planned and unplanned failover, and more. Windows IT pro consultant, trainer and MVP Peter De Tender takes

you through the necessary theory and background on each topic along with hands-on step-by-step lab guides to help you implement and configure each feature for yourself. You'll also find out how to estimate your platform costs when using Azure infrastructure components, making this book your one-stop guide to the latest disaster recovery services in Microsoft Azure. What You'll Learn Understand current concepts and challenges in IT disaster recovery Get introduced to Microsoft Azure, Azure virtual networks and Azure virtual machines Protect your data in the cloud with Azure Backup, and the configuration options available Understand how to protect, recover, and monitor your environment with Azure Site Recovery Manager, and the configuration options available Extend Azure Site Recovery Manager to non-Hyper-V workloads Who This Book Is For IT professionals and IT decision makers who are interested in learning about Azure backup and Azure Site Recovery Manager in order to build and/or optimize their IT disaster recovery scenarios.

*A Practical Guide to OMS, Azure Site Recovery, and Azure Backup* Irwin/McGraw-Hill

This IBM® Redpaper™ publication takes you on a journey that surveys cloud computing to answer several fundamental questions about storage cloud technology. What are storage clouds? How can a storage cloud help solve your current and future data storage business requirements? What can IBM do to help you implement a storage cloud solution that addresses these needs? This paper shows how IBM storage clouds use the extensive cloud computing experience, services, proven technologies, and products of IBM to support a smart storage cloud solution designed for your storage optimization efforts. Clients face many common storage challenges and some have variations that make them unique. It describes various successful client storage cloud implementations and the options that are available to meet your current needs and position you to avoid storage issues in the future. IBM Cloud™ Services (IBM Cloud Managed Services® and IBM SoftLayer®) are highlighted as well as the contributions of IBM to OpenStack cloud storage. This paper is intended for anyone who wants to learn about storage clouds and how IBM addresses data storage challenges with smart storage cloud solutions. It is suitable for IBM clients, storage solution integrators, and IBM specialist sales representatives.

*Contemporary Concepts and Cases* McGraw Hill

Operations Management is all around us and is integral to every industry. Using contemporary and engaging examples this brand new text book brings to life fundamental Operations Management principles and theories that are applicable to both manufacturing and service situations, reflecting the very latest developments in this dynamic field.

#### **Software Defined Data Center with Red Hat Cloud and Open Source IT Operations Management** Packt Publishing Ltd

Manage on-premises and cloud IT assets from one console Key Features Empower yourself with practical recipes to collect and analyze operational insights on Windows and Linux servers in your on-premises datacenters and in any public cloud environments such as Azure and AWS. Build capabilities through practical tasks and techniques to collect and analyze machine data Address business challenges and discover means to accommodate workloads and instances in a low cost manner Book Description Microsoft Operations Management Suite Cookbook begins with an overview of how to hit the ground running with OMS insights and analytics. Next, you will learn to search and analyze data to retrieve actionable insights, review alert generation from the analyzed

data, and use basic and advanced Log search queries in Azure Log Analytics. Following this, you will explore some other management solutions that provide functionality related to workload assessment, application dependency mapping, automation and configuration management, and security and compliance. You will also become well versed with the data protection and recovery functionalities of OMS Protection and Recovery, and learn how to use Azure Automation components and features in OMS. Finally you will learn how to evaluate key considerations for using the Security and Audit solution, and working with Security and Compliance in OMS. By the end of the book, you will be able to configure and utilize solution offerings in OMS, understand OMS workflows, how to unlock insights, integrate capabilities into new or existing workflows, manage configurations, and automate tasks and processes. What you will learn Understand the important architectural considerations and strategies for OMS Use advanced search query commands and strategies to derive insights from indexed data Make use of alerting in OMS such as alert actions, and available options for the entire lifecycle of the alert Discover some practical tips for monitoring Azure container service containers and clusters using OMS Review and use the backup options available through the Azure backup service, as well as data recovery options available through Azure Site Recovery (ASR) Understand how to advance important DevOps concepts within your IT organization Learn how to manage configurations and automate process Who this book is for This book is written for the IT professional and general reader who is interested in technology themes such as DevOps, Big Data Analytics, and digital transformation concepts. Azure and other cloud platform administrators, cloud professionals, and technology analysts who would like to solve everyday problems quickly and efficiently with hybrid management tools available in the Microsoft product ecosystem will derive much value from this book. Prior experience with OMS 2012 would be helpful.

#### **IBM Private, Public, and Hybrid Cloud Storage Solutions** Irwin Professional Pub

Gain a sound conceptual understanding of the role that management science plays in the decision-making process with the market leader that integrates the latest developments in Microsoft Office Excel 2016. The market-leading Anderson/Sweeney/Williams/Camm/Cochran/Fry/Ohlmann's AN INTRODUCTION TO MANAGEMENT SCIENCE: QUANTITATIVE APPROACHES TO DECISION MAKING, 15E uses a proven problem-scenario approach to introduce each quantitative technique within an applications setting. All data sets, applications, and screen visuals reflect the details of Excel 2016 to effectively prepare readers to work with the latest spreadsheet tools. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

#### Matching Supply with Demand John Wiley & Sons

This is the first comprehensive Operations Manager 2012 technical resource for every IT implementer and administrator. Building on their bestselling OpsMgr 2007 book, three Microsoft System Center Cloud and Data Center Management MVPs thoroughly illuminate major improvements in Microsoft's newest version—including new enhancements just added in Service Pack 1. You'll find all the information you need to efficiently manage cloud and datacenter applications and services in even the most complex environment. The authors provide up-to-date best practices for planning, installation, migration, configuration, administration, security, compliance, dashboards, forecasting, backup/recovery, management packs, monitoring including .NET monitoring, PowerShell

automation, and much more. Drawing on decades of enterprise and service provider experience, they also offer indispensable insights for integrating with your existing Microsoft and third-party infrastructure. Detailed information on how to... Plan and execute a smooth OpsMgr 2012 deployment or migration Move toward application-centered management in complex environments Secure OpsMgr 2012, and assure compliance through Audit Collection Services Implement dashboards, identify trends, and improve forecasting Maintain and protect each of your OpsMgr 2012 databases Monitor virtually any application, environment, or device: client-based, .NET, distributed, networked, agentless, or agent-managed Use synthetic transactions to monitor application performance and responsiveness Install UNIX/Linux cross-platform agents Integrate OpsMgr into virtualized environments Manage and author management packs and reports Automate key tasks with PowerShell, agents, and alerts Create scalable management clouds for service provider/multi-tenant environments Use OpsMgr 2012 Service Pack 1 with Windows Server 2012 and SQL Server 2012

#### **Operations Management** IBM Redbooks

A father and son team of consultants draws from 25 years of turnaround management--helping financially troubled businesses achieve maximum value--to offer strategies to potential lenders, purchasers, consultants, and coaches of troubled businesses. Eighteen chapters set forth the author's conceptual approach, discuss the challenges and pitfalls that *System Center 2012 Operations Manager Unleashed* John Wiley & Sons Operations Management in the Supply Chain: Decisions and Cases is an ideal book for the instructor seeking a short text with cases. This book employs a cross-functional perspective that emphasizes strategy and critical thinking, appealing to non-majors and practical for use in an MBA level or undergraduate course in operations management. The size and focus of the book also make the text attractive for the cross-functional curriculum where students are required to purchase more than one text. The sixteen cases offer variety in length and rigor; and several are from Ivey, Stanford, and Darden. This mix makes the book appropriate for both undergraduates and MBA students.

#### **Production and Operations Management** ISA

The communications environment is rapidly changing. The barriers of traditional phone and data technologies are going to break down, and users can expect a true multimedia environment with existing services transferred and new services implemented. New suppliers, such as cable companies, will compete with interexchange carriers, RBOCs, and local phone companies for the market share. The differentiator is the price/performance ratio of the service under consideration. Today's migrated and new services lack powerful management solutions. Telecom Operations Management Solutions with NetExpert examines the most advanced products available to manage new technologies as well as addresses services, such as: Advanced telephony Wireless networks Commercial broadband Mass-market broadband Competitive access services Intercarrier communications Infrastructure services This resource also demonstrates how expert systems solve the problem of handling the large volume of data streams from numerous network components. Practical solutions support each example of an application - offering first-hand operational experience. The book provides practical examples to deploy management solutions based on NetExpert framework from Objective Systems Integrator. The framework consists of the principal

modules, such as a gateway to managed devices and services as well as the workstation for operators. This framework is extended by point rulesets to manage individual devices by domain rulesets to manage device groups by enterprise rulesets to manage complete telco services. The solution sets support all layers of telecommunication management networks, such as element, network, service, and business layers. As a result, these solution sets are extremely important to both incumbent and new telco service providers. Numerous cases cover customized solutions for managing wireless networks, sonet rings, ATM, old and new phone services, broadband services, and special access services of ISPs. Telecom Operations Management Solutions with NetExpert describes never-before-published information about solution sets based on an expert-system-based framework.

**Planning, Design, and Control through Interdisciplinary Methodologies** Academic Press  
Offering an up-to-date account of systems theories and its applications, this book provides a different way of resolving problems and addressing challenges in a swift and practical way, without losing overview and grip on the details. From this perspective, it offers a different way of thinking in order to incorporate different perspectives and to consider multiple aspects of any given problem. Drawing examples from a wide range of disciplines, it also presents worked cases to illustrate the principles. The multidisciplinary perspective and the formal approach to modelling of systems and processes of 'Applied Systems Theory' makes it suitable for managers, engineers, students, researchers, academics and professionals from a wide range of disciplines; they can use this 'toolbox' for describing, analysing and designing biological, engineering and organisational systems as well as getting a better understanding of societal problems. This revised, updated and expanded second edition includes coverage of abductive reasoning, the relevance of systems theories for research methods and a new chapter about problem analysis and solving based on systems theories.

**EBOOK: Operations Management** Sams Publishing  
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.

*A Systems Model-building Approach* Apress

A simplified and relevant appraisal of key aspects of Operations Management, especially tailored for an Arab audience. The text covers the discipline's essential theory, and directly applies it to real life, local business scenarios for contextualised and engaged student learning.

*Sustainable Food Supply Chains* Arden Shakespeare

Collect and analyze sensor and usage data from Internet of Things applications with Microsoft Azure IoT Suite. Internet connectivity to everyday devices such as light bulbs, thermostats, and even voice-command devices such as Google Home and Amazon.com's Alexa is exploding. These connected devices and their respective applications generate large amounts of data that can be mined to enhance user-friendliness and make predictions about what a user might be likely to do next. Microsoft's Azure IoT Suite is a cloud-based platform that is ideal for collecting data from connected devices. You'll learn in this book about data acquisition and analysis, including real-time analysis. Real-world examples are provided to teach you to detect anomalous patterns in your data that might lead to business advantage. We live in a time when the amount of data being generated and stored is growing at an exponential rate. Understanding and getting real-time insight into these data is critical to business. IoT Solutions in Microsoft's Azure IoT Suite walks you through a complete, end-to-end journey of how to collect and store data from Internet-connected devices. You'll learn to analyze the data and to apply your results to solving real-world problems. Your customers will benefit from the increasingly capable and reliable applications that you'll be able to deploy to them. You and your business will benefit from the gains in insight and knowledge that can be applied to delight your customers and increase the value from their business. What You'll Learn Go through data generation, collection, and storage from sensors and devices, both relational and non-relational. Understand, from end to end, Microsoft's analytic services and where they fit into the analytical ecosystem. Look at the Internet of your things and find ways to discover and draw on the insights your data can provide. Understand Microsoft's IoT technologies and services, and stitch them together for business insight and advantage. Who This Book Is For Developers and architects who plan on delivering IoT solutions, data scientists who want to understand how to get better insights

into their data, and anyone needing or wanting to do real-time analysis of data from the Internet of Things

*Competitiveness and Sustainability* IGI Global

Many books on reliability focus on either modeling or statistical analysis and require an extensive background in probability and statistics. Continuing its tradition of excellence as an introductory text for those with limited formal education in the subject, this classroom-tested book introduces the necessary concepts in probability and statistics within the context of their application to reliability.

The Third Edition adds brief discussions of the Anderson-Darling test, the Cox proportionate hazards model, the Accelerated Failure Time model, and Monte Carlo simulation. Over 80 new end-of-chapter exercises have been added, as well as solutions to all odd-numbered exercises. Moreover, Excel workbooks, available for download, save students from performing numerous tedious calculations and allow them to focus on reliability concepts. Ebeling has created an exceptional text that enables readers to learn how to analyze failure, repair data, and derive appropriate models for reliability and maintainability as well as apply those models to all levels of design.

Best Sellers - Books :

- [The Housemaid By Freida Mcfadden](#)
- [Lessons In Chemistry: A Novel](#)
- [The Four Agreements: A Practical Guide To Personal Freedom \(a Toltec Wisdom Book\) By Don Miguel Ruiz](#)
- [A Court Of Frost And Starlight \(a Court Of Thorns And Roses, 4\) By Sarah J. Maas](#)
- [Tucker](#)
- [American Prometheus: The Triumph And Tragedy Of J. Robert Oppenheimer](#)
- [A Letter From Your Teacher: On The First Day Of School By Shannon Olsen](#)
- [Iron Flame \(the Emyrean, 2\) By Rebecca Yarros](#)
- [Regretting You](#)
- [The Untethered Soul: The Journey Beyond Yourself By Michael A. Singer](#)