

Platform as a Service Total Cost of Ownership

Use Case 1: Complex solution, Low Tenant Count

Tenants and Partitioning	Shared Container PaaS Scenario	Traditional Deployment Template	Traditional - Scenario 1	Traditional - Scenario 2	Traditional - Scenario 3	Traditional - Scenario 4
Tenant Isolation Level	Shared PaaS Nodes	Dedicated Instances	Dedicated Instances	Dedicated Instances	Dedicated Instances	Dedicated Instances
Tenants	8	1	2	4	6	8
Platform Footprint and Cost						
Number of JVM Instances	26	8	16	32	48	64
Subscription cost per JVM Instance [per year]	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000
Total Platform Subscription Cost [per year]	\$208,000	\$64,000	\$128,000	\$256,000	\$384,000	\$512,000
Infrastructure as a Service						
JVM Density per IaaS node (32GB IaaS, 4GB JVM)	8	8	8	8	8	8
Calculated number of IaaS nodes	4	1	2	4	6	8
Cost per IaaS node [per year]	\$7,908	\$7,908	\$7,908	\$7,908	\$7,908	\$7,908
Total IaaS Cost [per year]	\$31,632	\$7,908	\$15,816	\$31,632	\$47,448	\$63,264
IT Administrative and Management Cost						
Total IT Administrative and Management Cost [per year]	\$178,120	\$32,400	\$64,800	\$129,600	\$194,400	\$259,200
Total Cost of Ownership						
Total Cost [Year 1]	\$417,752	\$104,308	\$208,616	\$417,232	\$625,848	\$834,464
Total Savings for PaaS / (Extra Expense)	\$0	(\$313,444)	(\$209,136)	(\$520)	\$208,096	\$416,712
JVM Instance Efficiency		0.3	0.6	1.2	1.8	2.5
Cost Efficiency		25%	50%	100%	150%	200%

<http://blog.cobia.net/cobiacomm/2012/05/13/paas-tco-and-paas-roi-multi-tenant-shared-container-paas/>

Total Cost Of Ownership Spreadsheet

Anil Desai



Total Cost Of Ownership Spreadsheet:

Cloud Computing Kris Jamsa,2013 Introducing cloud computing Software as a service SaaS Platform as a service PaaS Infrastructure as a service IaaS Identity as a service IDaaS Data storage in the cloud Collaboration in the cloud Virtualization Securing the cloud Disaster recovery and business continuity and the cloud Service oriented architecture Managing the cloud Migrating to the cloud Mobile cloud computing Governing the cloud Evaluating the cloud s business impact and economics Designing cloud based solutions Coding cloud based applications Application scalability The future of the cloud

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Creating and Managing Superior Customer Value Arch G. Woodside,Michael Gibbert,Francesca Golfetto,2008-11-01 Advances theory and offers tools for measuring value dimensions and strength This

work focuses on advancing value theory research and strategy in business to business contexts It is suitable for improving thinking decisions and actions relating to the creation marketing and purchasing of superior value in products and services

Procurement Power Simbarashe Msonzah,2024-03-16 Discover the game changing strategies that successful entrepreneurs and SME managers are using to skyrocket their profits and fuel rapid growth in 2024 In Procurement Power we unveil the key to unlocking your business s full potential through savvy procurement practices Procurement Power is not just a entrepreneurship book it s a strategic arsenal for the ambitious entrepreneur It cuts through the complexities of procurement offering a clear actionable roadmap to transforming this often overlooked area into a powerhouse of business growth competitive edge and increased profitability The author with a unique blend of depth and simplicity unlocks the secrets of procurement for entrepreneurs and small businesses who have been left behind chasing their tale and without any results to show for the efforts and time invested in the enterprise until the capital is eroded and companies close shop Immerse yourself in real world scenarios and practical wisdom that Procurement Power brings to your fingertips This book is your compass in setting up a profitable procurement function mastering sourcing for competitiveness and implementing strategies that boost your cash flow It goes further guiding you in collaborating with suppliers for product development and scaling your business These are not just theories they are tried and tested strategies forged in the fires of real business challenges adaptable across diverse industries Embrace these principles and watch them transform into instinctive strategies that unveil opportunities sidestep pitfalls and outsmart your competition Whether you re an established SME owner or a budding entrepreneur Procurement Power offers actionable insights to reshape your business ideas and business plans for 2024 and beyond Don t miss your chance to harness the full potential of procurement and secure your business s success in the competitive landscape of the future <https://iamsimba.co.za>

Mastering Technical Sales: The Sales Engineer's Handbook, Fourth Edition John Care ,2022-04-30 This bestselling book now in its Fourth Edition has become the gold standard for Sales Engineers who engage on the technical side of the sales and buying process and are the people who know how everything works It helps you navigate a complex and ever changing technical sales environment and become an effective bridge builder between the business commercial interests and the technical details that support the sale Written by one of the foremost experts in this field the handbook presents everything you need to improve your skills and increase your value to the sales team Chapters are written in a modular fashion so that you can choose topics most relevant to you at the moment or follow them in order as they build upon each other and give you the complete A to Z on your role Each chapter is short enough so that you can read through it in 10 15 minutes and apply the learning the next day You ll find actionable hints case studies and anecdotes illustrating the topics with lessons learned both positive and negative The book helps you understand the unique role of the Sales Engineer from the broad picture to the nuances of the job develop skills needed to become a valuable consultant to your team and the customer team utilize best practices for creating and completing winning

RFPs effectively integrate global practices into your day to day activities increase your ability think on a more strategic level become a trusted advisor to executive customers With this completely updated and expanded edition of Mastering Technical Sales in hand you will achieve a better win rate experience higher customer satisfaction hit revenue targets and feel greater job satisfaction Newly added and revised chapters guide you through today s challenges including the impact of the cloud and everything as a service new sales models monthly vs annual revenue commits and the virtualization and automation that is now part of the Sales Engineer s world This book is a must have resource for both new and seasoned Sales Engineers within tech software hardware mechanical and civil engineering vendors along with management and leadership in those organizations and anyone who must present demonstrate or sell hi tech items for a living *Learning and Teaching for Mathematical Literacy* Hugh Burkhardt, Daniel Pead, Kaye Stacey, 2024-02-19 Typically most people don t realize when and how they can use the mathematics they were taught in high school yet many of the mathematical ideas and skills can be a powerful tool for understanding how the world works *Learning and Teaching for Mathematical Literacy* addresses this situation offering practical strategies for developing a broader vision of mathematical literacy in the classroom and recognising the importance of maintaining these skills into adult life Linked to the material explored throughout this book classroom activities and lesson materials are freely available for use via the QR codes included in each chapter Filled with case studies and classroom activities chapters tackle several topics Describing a framework for a broader vision of mathematical literacy what is it and why is it important Teaching mathematical literacy in the classroom Applying mathematical literacy to real life scenarios My dad is buying a new dishwasher Should he buy the extended warranty on offer My phone works fine but I ve been offered an upgrade How should I decide whether to take it The role of technology in teaching mathematical literacy Designing mathematical measures for real word quantities Firmly grounded by practical applications for the classroom and beyond this is an essential handbook for any teacher teaching assistant or mathematics subject lead who wishes to develop their students mathematical literacy skills This is also an ideal resource for those delivering or enrolled in teacher preparation courses Total Cost Analysis in Logistics Björn Oskarsson, 2019-11-01 Cost is considered a crucial factor in much decision making in private and public organisations Therefore the ability to calculate total estimated costs for different alternatives is important However such total cost analysis is a challenging task Providing students with the knowledge and skills needed for total cost analysis is therefore relevant in several disciplines within higher education Within logistics management total cost analysis is for decades by several scholars regarded as a cornerstone a fundamental part of the discipline However except for describing the basic steps and presumptions the literature does not give much support concerning how to conduct such analyses or which the difficulties associated with total cost analysis are This blank space in literature is not limited to the logistics discipline it stretches throughout many disciplines Neither does literature cover how to teach to support students learning of total cost analysis Hence to address the lack of research the

purpose of this thesis was formulated as follows To contribute to the understanding of conducting learning and teaching total cost analysis Three research questions were shaped to address each part of the purpose conducting learning and teaching RQ1 What challenges are connected to the process of conducting total cost analysis RQ2 What thresholds are there for learning how to conduct total cost analysis RQ3 How can total cost learning be supported by suitable educational methods The research questions are connected to each other in the sense that the challenges of conducting total cost analysis RQ1 indicate within which areas total cost learning is difficult and thereby where thresholds are to be investigated RQ2 Further knowledge about the learning thresholds is needed to discuss suitable educational activities RQ3 The research was conducted by a combination of literature reviews and multiple case studies at four Higher Education Institutions where both teachers and students were approached The findings for RQ1 were developed in an abductive procedure walking back and forth between literature and cases A twelve step process for total cost analysis was defined and specific challenges associated for each of these steps Regarding learning thresholds RQ2 perceived difficulties with learning total cost analysis were identified in the case studies These difficulties were then analysed against threshold characteristics available in literature This resulted in the identification of four total cost learning thresholds Literature on constructivist based teaching was used to suggest teaching methods to support learning RQ3 These types of activities proved to match the ones most appreciated by teachers and students in the studied cases The twelve step process provides a more structured and holistic view of total cost analysis than previously available in the logistics literature The description of challenges with conducting total cost analysis is novel not only within logistics but also generally why this is a major contribution from this research Aspects regarding teaching and learning connected to logistics and to total cost analysis are very sparsely addressed in literature which makes the findings concerning learning thresholds and teaching methods valuable The findings are believed to be useful for different stakeholders First and foremost teachers can use the findings for designing programs courses and course modules which cover the important aspects of total cost analysis with help from educational activities supporting the students learning Second for organisations where total cost analyses are conducted the suggested process with its steps and associated challenges can be used to achieve better total cost analyses and in turn more substantiated decisions In the longer perspective better education on total cost analysis at Higher Education Institutions will further strengthen the total cost competence in organisations thereby improving the total cost related decision making Total cost analysis is not unique for the logistics discipline Although focus in the study has been on Higher Education Institutions providing logistics courses the findings are to a high extent believed to be relevant also for other disciplines dealing with total cost analysis

Deciphering Data Architectures James Serra, 2024-02-06 Data fabric data lakehouse and data mesh have recently appeared as viable alternatives to the modern data warehouse These new architectures have solid benefits but they are also surrounded by a lot of hyperbole and confusion This practical book provides a guided tour of these architectures to help data professionals

understand the pros and cons of each James Serra big data and data warehousing solution architect at Microsoft examines common data architecture concepts including how data warehouses have had to evolve to work with data lake features You ll learn what data lakehouses can help you achieve as well as how to distinguish data mesh hype from reality Best of all you ll be able to determine the most appropriate data architecture for your needs With this book you ll Gain a working understanding of several data architectures Learn the strengths and weaknesses of each approach Distinguish data architecture theory from reality Pick the best architecture for your use case Understand the differences between data warehouses and data lakes Learn common data architecture concepts to help you build better solutions Explore the historical evolution and characteristics of data architectures Learn essentials of running an architecture design session team organization and project success factors Free from product discussions this book will serve as a timeless resource for years to come

Project Management for Modern Information Systems Brandon, Daniel M.,2005-12-31 This book describes and illustrates practices procedures methods and tools for IT project management that address project success for modern times Provided by publisher

Department of Defense Authorization for Appropriations for Fiscal Years 1993 and the Future Years Defense Program United States. Congress. Senate. Committee on Armed Services,1992 *Department of Defense Authorization for Appropriations for Fiscal Year 1996 and the Future Years Defense Program: Acquisition and technology* United States. Congress. Senate. Committee on Armed Services,1996

Department of Defense Authorization for Appropriations for Fiscal Year 1993 and the Future Years Defense Program United States. Congress. Senate. Committee on Armed Services,1992

The Procurement Game Plan Charles Dominick,Soheila Lunney,Soheila R. Lunney,2012-01-15 This valuable guide is an entertaining read due to the analogies made to various sports It provides an easy to follow game plan and strategies for procurement and supply management professionals to improve supplier relationships secure measurable cost reductions achieve operational effectiveness and efficiency and positively impact margins and competitiveness for their organizations The authors use real world scenarios and examples to make the procurement and supply management principles and concepts more relevant and easy to understand They present guidelines techniques and tools for converting a transaction based reactive function into a proactive and powerful strategic contributor and include practical advice on selecting the right and effective organizational design This book offers the guidance needed to take the procurement professionals career and department to the next level It is ideal for self learning training a classroom instruction

Windows NT Network Management Anil Desai,1999 Targeting the distinct needs of the working computer professional this book fulfills the network and system administrators need for expert advice on completing the fundamental tasks that ensure a trouble free Windows NT environment

Design Computing and Cognition '06 Asko Riitahuhta,2007-05-16 This is the second volume of the new conference series Design Computing and Cognition DCC successor to the successful series Artificial Intelligence in Design AID The conference theme of design computing and

cognition recognizes not only the essential relationship between human cognitive processes as models of computation but also how models of computation inspire conceptual realizations of human cognition *Closing the Gap Between Practice and Research in Industrial Engineering* Elisabeth Viles, Marta Ormazábal, Alvaro Lleó, 2017-08-17 This book presents the proceedings of the XXII International Conference on Industrial Engineering and Operations Management International IIE Conference 2016 and International AIM Conference 2016 This joint conference is a result of an agreement between ADINGOR Asociaci n para el Desarrollo de la Ingenier a de Organizaci n ABEPRO Associa o Brasileira de Engenharia de Produ o AIM European Academy for Industrial Management and the IIE Institute of Industrial Engineers and took place at TECNUN School of Engineering San Sebasti n Spain from July 13th to 15th 2016 The book includes the latest research advances and cutting edge analyses of real case studies in Industrial Engineering and Operations Management from diverse international contexts while also identifying concrete business applications for the latest findings and innovations in operations management and the decisions sciences **Introduction to Agricultural Engineering Technology** Harry Field, John Solie, 2007-09-05 The third edition of this book exposes the reader to a wide array of engineering principles and their application to agriculture It presents an array of more or less independent topics to facilitate daily assessments or quizzes and aims to enhance the students problem solving ability Each chapter contains objectives worked examples and sample problems are included at the end of each chapter This book was first published in the late 60 s by AVI It remains relevant for post secondary classes in Agricultural Engineering Technology and Agricultural Mechanics and secondary agriculture teachers **Handbook of Research on Web 2.0, 3.0, and X.0: Technologies, Business, and Social Applications** Murugesan, San, 2009-11-30 This book provides a comprehensive reference source on next generation Web technologies and their applications Provided by publisher **Strategic Pricing and Management Accounting** David Dugdale, 2022-11-11 Management accountants should have a key role to play in developing and executing pricing strategy and policy However their historical focus on costing and operations means that their potential as business partners with marketing and sales professionals is easily overlooked This book focuses on how management accountants can help key stakeholders in the formulation and execution of pricing policy and conversely on showing managers responsible for pricing decisions how they could be helped by management accountants It equips management accountants with a unique overview of pricing theory the practical quantitative techniques they should know and the value they can bring to the pricing function The book analyses segmentation value to customer price value maps segmental pricing product differentiation and dynamic pricing with traditional economic theory showing how these ideas have implications for management accountants and the value that they can bring to the business Differences in customer value have been integral to economic theory for decades and price discrimination the technique of charging different prices to different customers for the same or similar goods is well established This observation provides the central core of this book The methods of price discrimination are set out in

detail showing how management accountants can bring their analytical skills to bear in helping executives and pricing professionals take advantage of differences in customer valuation to improve profits The book provides a thorough overview of the field and offers a good introduction for researchers and students Equally the book shows managers marketers and pricing professionals how management accountants can assist them in delivering better pricing practice **EBOOK:**
Operations and Supply Chain Management, Global edition F. Robert Jacobs, Richard Chase, 2013-06-16 Resourceful companies today must successfully manage the entire supply flow from the sources of the firm through the value added processes of the firm and on to the customers of the firm The fourteenth Global Edition of Operations and Supply Chain Management provides well balanced coverage of managing people and applying sophisticated technology to operations and supply chain management

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