

American Virtual Cloud Technologies Buyout



American Virtual Cloud Technologies Buyout: A Deep Dive into the Acquisition

The tech world is constantly in motion, with mergers and acquisitions shaping the landscape at a dizzying pace. One recent event that sent ripples through the cloud computing sector was the buyout of American Virtual Cloud Technologies (AVCT). This post delves deep into the intricacies of this significant acquisition, examining the players involved, the motivations behind the deal, and its potential implications for the future of cloud services. We'll explore the key aspects of the buyout, analyzing its financial implications and speculating on its long-term effects on the industry. Get ready to gain a comprehensive understanding of the American Virtual Cloud Technologies buyout.

Understanding the Players Involved in the AVCT Buyout

Before diving into the specifics of the acquisition, it's crucial to understand the key players. This section will identify the acquiring company (or companies), highlighting their background, market position, and strategic objectives. We will then profile AVCT itself, examining its history, service offerings, and market share before the buyout. A clear understanding of these players is essential to fully grasp the context and significance of the transaction.

Identifying the Acquirer: Who Bought AVCT?

[Insert Name of Acquiring Company Here]. This section would detail the acquirer's history, market presence (e.g., size, revenue, customer base), and its existing portfolio of cloud services. Specific details about the company's strategies and ambitions should be included, highlighting why they would target AVCT. This should include specifics like market capitalization, recent financial performance, and any prior acquisitions.

American Virtual Cloud Technologies (AVCT): A Pre-Buyout Profile

This segment will furnish a detailed overview of AVCT's pre-acquisition status. This includes its business model, customer base (including notable clients), its technological strengths and weaknesses, and its overall financial health. This detailed profile provides crucial context for understanding the buyout's rationale and potential future trajectories.

The Rationale Behind the American Virtual Cloud Technologies Buyout

Why did the acquiring company choose AVCT? This section examines the strategic drivers behind the acquisition. Were they motivated by AVCT's specific technologies, market share, customer base, or a combination of factors? We'll analyze the potential synergies between the acquirer and AVCT, exploring how the combined entity might benefit from increased scale, expanded market reach, and enhanced technological capabilities.

Synergies and Strategic Fit: A Closer Look

This subsection will delve into the specifics of the synergies. This might include cost reductions through economies of scale, access to new markets or technologies, cross-selling opportunities to existing client bases, or the elimination of competition. A comprehensive analysis of these synergies is crucial for understanding the long-term value creation potential of the deal.

Financial Implications of the AVCT Buyout

This part will examine the financial aspects of the transaction, including the purchase price, financing methods, and expected returns on investment for the acquiring company. We'll discuss the valuation of AVCT and how it compares to industry benchmarks. The impact on shareholder value for both companies will also be considered.

The Future of American Virtual Cloud Technologies Post-Buyout

What does the future hold for the newly acquired entity? This section explores the potential impact of the buyout on the broader cloud computing landscape. Will the acquisition lead to innovation, consolidation, or increased competition? We'll speculate on the potential changes to AVCT's service

offerings, pricing strategies, and overall market position.

Potential Impacts on the Cloud Computing Market

Here, we will analyze how this acquisition could reshape the competitive landscape. Will it lead to increased prices, improved services, or a shift in market share? The discussion should also include potential impacts on customers and employees of AVCT.

Conclusion: Analyzing the Long-Term Effects

The American Virtual Cloud Technologies buyout represents a significant development in the dynamic cloud computing market. While the immediate consequences are relatively clear, the long-term implications remain to be seen. Further observation will be necessary to assess the true impact of this acquisition on the industry, competition, and the overall landscape of cloud services. The success of this acquisition will largely depend on the ability of the acquiring company to integrate AVCT effectively, leverage synergies, and maintain a strong customer base.

FAQs:

1. What was the purchase price of the AVCT buyout? The exact purchase price is [Insert Price if Publicly Available, otherwise state "not yet publicly disclosed"].
2. When did the American Virtual Cloud Technologies buyout occur? The buyout was completed on [Insert Date].
3. Will the AVCT brand name continue to exist? [Insert information if available, otherwise speculate based on typical acquisition practices].
4. What are the anticipated job security implications for AVCT employees? [Address this with available information or informed speculation].
5. How will this acquisition impact the pricing of AVCT's services? [Provide an informed analysis based on available information and market trends].

american virtual cloud technologies buyout: *The North American Auto Industry since NAFTA* Greig Mordue, Dimitry Anastakis, 2024-10-01 The auto sector is North America's most iconic of industries. Since the North American Free Trade Agreement came into existence in 1994, the sector has undergone tremendous change: escalating concerns around climate change, advances in electric and automated vehicles, deindustrialization/reindustrialization, and the rise of low-cost locations as hubs for manufacturing. The North American Auto Industry since NAFTA examines the issues that have preoccupied the development of policy associated with the manufacture of automobiles in North America. The collection addresses the punctuations that have afflicted the industry since NAFTA's implementation as well as the slower, incremental evolutions that have also occurred. Several aspects of automobility and the industry are explored, including but not limited to

the Canadian, American, and Mexican automotive sectors and their evolution and interaction under evolving trade regimes. The book analyses issues surrounding labour, technology, trade policy, regional development, the environment, and broader societal impacts of the automobile. It also draws on the expertise of a wide cross-section of industry experts and scholars to provide readers with a deeper understanding of the automotive industry and its central role in North America's economic, business, and political landscape.

american virtual cloud technologies buyout: Microsoft Azure Security Center Yuri Diogenes, Tom Shinder, 2018-06-04 Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center's full spectrum of features and capabilities to address protection, detection, and response in key operational scenarios. You'll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management. Whatever your role in Azure security, you'll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft's leading cloud security experts show how to:

- Assess the impact of cloud and hybrid environments on security, compliance, operations, data protection, and risk management
- Master a new security paradigm for a world without traditional perimeters
- Gain visibility and control to secure compute, network, storage, and application workloads
- Incorporate Azure Security Center into your security operations center
- Integrate Azure Security Center with Azure AD Identity Protection Center and third-party solutions
- Adapt Azure Security Center's built-in policies and definitions for your organization
- Perform security assessments and implement Azure Security Center recommendations
- Use incident response features to detect, investigate, and address threats
- Create high-fidelity fusion alerts to focus attention on your most urgent security issues
- Implement application whitelisting and just-in-time VM access
- Monitor user behavior and access, and investigate compromised or misused credentials
- Customize and perform operating system security baseline assessments
- Leverage integrated threat intelligence to identify known bad actors

american virtual cloud technologies buyout: Enterprise Cloud Strategy Barry Briggs, Eduardo Kassner, 2016-01-07 How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.

american virtual cloud technologies buyout: The Cloud Computing Book Douglas Comer, 2021-06-30 The latest textbook from best-selling author Provides a comprehensive introduction to cloud computing

american virtual cloud technologies buyout: Air Force and Space Digest , 2014-07

american virtual cloud technologies buyout: Machine Learning and Optimization Models for Optimization in Cloud Punit Gupta, Mayank Kumar Goyal, Sudeshna Chakraborty, Ahmed A Elngar, 2022-02-27 Machine Learning and Models for Optimization in Cloud's main aim is to meet the user requirement with high quality of service, least time for computation and high reliability. With increase in services migrating over cloud providers, the load over the cloud increases resulting in fault and various security failure in the system results in decreasing reliability. To fulfill this requirement cloud system uses intelligent metaheuristic and prediction algorithm to provide resources to the user in an efficient manner to manage the performance of the system and plan for upcoming requests. Intelligent algorithm helps the system to predict and find a suitable resource for a cloud environment in real time with least computational complexity taking into mind the system

performance in under loaded and over loaded condition. This book discusses the future improvements and possible intelligent optimization models using artificial intelligence, deep learning techniques and other hybrid models to improve the performance of cloud. Various methods to enhance the directivity of cloud services have been presented which would enable cloud to provide better services, performance and quality of service to user. It talks about the next generation intelligent optimization and fault model to improve security and reliability of cloud. Key Features · Comprehensive introduction to cloud architecture and its service models. · Vulnerability and issues in cloud SAAS, PAAS and IAAS · Fundamental issues related to optimizing the performance in Cloud Computing using meta-heuristic, AI and ML models · Detailed study of optimization techniques, and fault management techniques in multi layered cloud. · Methods to improve reliability and fault in cloud using nature inspired algorithms and artificial neural network. · Advanced study of algorithms using artificial intelligence for optimization in cloud · Method for power efficient virtual machine placement using neural network in cloud · Method for task scheduling using metaheuristic algorithms. · A study of machine learning and deep learning inspired resource allocation algorithm for cloud in fault aware environment. This book aims to create a research interest & motivation for graduates degree or post-graduates. It aims to present a study on optimization algorithms in cloud for researchers to provide them with a glimpse of future of cloud computing in the era of artificial intelligence.

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Networking Greg Schulz, 2011-08-26 The amount of data being generated, processed, and stored has reached unprecedented levels. Even during the recent economic crisis, there has been no slow down or information recession. Instead, the need to process, move, and store data has only increased. Consequently, IT organizations are looking to do more with what they have while supporting gr

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Shoshana Zuboff, 2019-01-15 The challenges to humanity posed by the digital future, the first detailed examination of the unprecedented form of power called surveillance capitalism, and the quest by powerful corporations to predict and control our behavior. In this masterwork of original thinking and research, Shoshana Zuboff provides startling insights into the phenomenon that she has named surveillance capitalism. The stakes could not be higher: a global architecture of behavior modification threatens human nature in the twenty-first century just as industrial capitalism disfigured the natural world in the twentieth. Zuboff vividly brings to life the consequences as surveillance capitalism advances from Silicon Valley into every economic sector. Vast wealth and power are accumulated in ominous new behavioral futures markets, where predictions about our behavior are bought and sold, and the production of goods and services is subordinated to a new means of behavioral modification. The threat has shifted from a totalitarian Big Brother state to a ubiquitous digital architecture: a Big Other operating in the interests of surveillance capital. Here is the crucible of an unprecedented form of power marked by extreme concentrations of knowledge and free from democratic oversight. Zuboff's comprehensive and moving analysis lays bare the threats to twenty-first century society: a controlled hive of total connection that seduces with promises of total certainty for maximum profit -- at the expense of democracy, freedom, and our human future. With little resistance from law or society, surveillance capitalism is on the verge of dominating the social order and shaping the digital future -- if we let it.

american virtual cloud technologies buyout: America's Cold War against China

Peter Nolan, 2024-09-09 This book discusses how the USA has launched a new cold war against China. Showing how this New Cold War can only be fully understood by analysing the long-run history of the East and the West, and the fundamental differences between the Old and the New Cold Wars, this book outlines how the New Cold War focuses on issues connected with China's territorial integrity: Xinjiang, the South China Sea, Hong Kong, Taiwan, and the closely connected conflict over semiconductors. It analyses the way in which China has responded to US-led Western aggression by following the approach suggested by Confucius: instead of 'returning aggression with kindness' or

'returning aggression with aggression', China has 'returned aggression with firmness'. The book argues that the United States' effort to establish hegemony over Eurasia has failed and that, in the face of this reality, there is no choice for the USA other than to cooperate with China in order to resolve the existential issues facing the human species. Demonstrating how US-led aggression has been rendered ineffective, this book will be a valuable resource to students and scholars of international relations and politics, including those in both China and the USA.

american virtual cloud technologies buyout: Funding a Revolution National Research Council, Computer Science and Telecommunications Board, Committee on Innovations in Computing and Communications: Lessons from History, 1999-02-11 The past 50 years have witnessed a revolution in computing and related communications technologies. The contributions of industry and university researchers to this revolution are manifest; less widely recognized is the major role the federal government played in launching the computing revolution and sustaining its momentum. *Funding a Revolution* examines the history of computing since World War II to elucidate the federal government's role in funding computing research, supporting the education of computer scientists and engineers, and equipping university research labs. It reviews the economic rationale for government support of research, characterizes federal support for computing research, and summarizes key historical advances in which government-sponsored research played an important role. *Funding a Revolution* contains a series of case studies in relational databases, the Internet, theoretical computer science, artificial intelligence, and virtual reality that demonstrate the complex interactions among government, universities, and industry that have driven the field. It offers a series of lessons that identify factors contributing to the success of the nation's computing enterprise and the government's role within it.

american virtual cloud technologies buyout: Knowledge Management and Virtual Organizations Yogesh Malhotra, 2000-01-01 Annotation Twenty essays present current research on knowledge management as related to effective design of new organization forms. The first section of the book covers frameworks, models, analyses, case studies and research on the integration of knowledge management within virtual organizations, virtual teams and virtual communities of practice. Themes covered in this section include business model innovation; design of virtual organization forms; net-based models; techniques for enabling knowledge capture, sharing and transfer; and collaboration and competition at intra- and inter-organizational levels. The focus of the second half is on key success factors that are important for realizing virtual models of business transformation. Topics include the role of organizational control systems, the role of internal and external employees and customers in creation of organizational knowledge, and information quality issues. Annotation c. Book News, Inc., Portland, OR (booknews.com).

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american virtual cloud technologies buyout: Popular Mechanics , 2000-01 Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech

lifestyle.

american virtual cloud technologies buyout: Teaching Computational Thinking Maureen D. Neumann, Lisa Dion, 2021-12-21 A guide for educators to incorporate computational thinking—a set of cognitive skills applied to problem solving—into a broad range of subjects. Computational thinking—a set of mental and cognitive tools applied to problem solving—is a fundamental skill that all of us (and not just computer scientists) draw on. Educators have found that computational thinking enhances learning across a range of subjects and reinforces students' abilities in reading, writing, and arithmetic. This book offers a guide for incorporating computational thinking into middle school and high school classrooms, presenting a series of activities, projects, and tasks that employ a range of pedagogical practices and cross a variety of content areas. As students problem solve, communicate, persevere, work as a team, and learn from mistakes, they develop a concrete understanding of the abstract principles used in computer science to create code and other digital artifacts. The book guides students and teachers to integrate computer programming with visual art and geometry, generating abstract expressionist-style images; construct topological graphs that represent the relationships between characters in such literary works as Harry Potter and the Sorcerer's Stone and Romeo and Juliet; apply Newtonian physics to the creation of computer games; and locate, analyze, and present empirical data relevant to social and political issues. Finally, the book lists a variety of classroom resources, including the programming languages Scratch (free to all) and Codesters (free to teachers). An accompanying website contains the executable programs used in the book's activities.

american virtual cloud technologies buyout: Digital and Social Media Marketing Nripendra P. Rana, Emma L. Slade, Ganesh P. Sahu, Hatice Kizgin, Nitish Singh, Bidit Dey, Anabel Gutierrez, Yogesh K. Dwivedi, 2019-11-11 This book examines issues and implications of digital and social media marketing for emerging markets. These markets necessitate substantial adaptations of developed theories and approaches employed in the Western world. The book investigates problems specific to emerging markets, while identifying new theoretical constructs and practical applications of digital marketing. It addresses topics such as electronic word of mouth (eWOM), demographic differences in digital marketing, mobile marketing, search engine advertising, among others. A radical increase in both temporal and geographical reach is empowering consumers to exert influence on brands, products, and services. Information and Communication Technologies (ICTs) and digital media are having a significant impact on the way people communicate and fulfil their socio-economic, emotional and material needs. These technologies are also being harnessed by businesses for various purposes including distribution and selling of goods, retailing of consumer services, customer relationship management, and influencing consumer behaviour by employing digital marketing practices. This book considers this, as it examines the practice and research related to digital and social media marketing.

american virtual cloud technologies buyout: Cloud Computing Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, 2010-12-17 The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential research directions and technologies that will facilitate creation a global market-place of cloud computing services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level. As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field.

american virtual cloud technologies buyout: Construction 4.0 Anil Sawhney, Michael Riley,

Javier Irizarry, 2020-02-06 Modelled on the concept of Industry 4.0, the idea of Construction 4.0 is based on a confluence of trends and technologies that promise to reshape the way built environment assets are designed, constructed, and operated. With the pervasive use of Building Information Modelling (BIM), lean principles, digital technologies, and offsite construction, the industry is at the cusp of this transformation. The critical challenge is the fragmented state of teaching, research, and professional practice in the built environment sector. This handbook aims to overcome this fragmentation by describing Construction 4.0 in the context of its current state, emerging trends and technologies, and the people and process issues that surround the coming transformation. Construction 4.0 is a framework that is a confluence and convergence of the following broad themes discussed in this book: Industrial production (prefabrication, 3D printing and assembly, offsite manufacture) Cyber-physical systems (actuators, sensors, IoT, robots, cobots, drones) Digital and computing technologies (BIM, video and laser scanning, AI and cloud computing, big data and data analytics, reality capture, Blockchain, simulation, augmented reality, data standards and interoperability, and vertical and horizontal integration) The aim of this handbook is to describe the Construction 4.0 framework and consequently highlight the resultant processes and practices that allow us to plan, design, deliver, and operate built environment assets more effectively and efficiently by focusing on the physical-to-digital transformation and then digital-to-physical transformation. This book is essential reading for all built environment and AEC stakeholders who need to get to grips with the technological transformations currently shaping their industry, research, and teaching.

american virtual cloud technologies buyout: *Cloud Computing* Lizhe Wang, Rajiv Ranjan, Jinjun Chen, Boualem Benatallah, 2017-12-19 Cloud computing has created a shift from the use of physical hardware and locally managed software-enabled platforms to that of virtualized cloud-hosted services. Cloud assembles large networks of virtual services, including hardware (CPU, storage, and network) and software resources (databases, message queuing systems, monitoring systems, and load-balancers). As Cloud continues to revolutionize applications in academia, industry, government, and many other fields, the transition to this efficient and flexible platform presents serious challenges at both theoretical and practical levels—ones that will often require new approaches and practices in all areas. Comprehensive and timely, *Cloud Computing: Methodology, Systems, and Applications* summarizes progress in state-of-the-art research and offers step-by-step instruction on how to implement it. Summarizes Cloud Developments, Identifies Research Challenges, and Outlines Future Directions Ideal for a broad audience that includes researchers, engineers, IT professionals, and graduate students, this book is designed in three sections: Fundamentals of Cloud Computing: Concept, Methodology, and Overview Cloud Computing Functionalities and Provisioning Case Studies, Applications, and Future Directions It addresses the obvious technical aspects of using Cloud but goes beyond, exploring the cultural/social and regulatory/legal challenges that are quickly coming to the forefront of discussion. Properly applied as part of an overall IT strategy, Cloud can help small and medium business enterprises (SMEs) and governments in optimizing expenditure on application-hosting infrastructure. This material outlines a strategy for using Cloud to exploit opportunities in areas including, but not limited to, government, research, business, high-performance computing, web hosting, social networking, and multimedia. With contributions from a host of internationally recognized researchers, this reference delves into everything from necessary changes in users' initial mindset to actual physical requirements for the successful integration of Cloud into existing in-house infrastructure. Using case studies throughout to reinforce concepts, this book also addresses recent advances and future directions in methodologies, taxonomies, IaaS/SaaS, data management and processing, programming models, and applications.

american virtual cloud technologies buyout: *Software-Defined Data Infrastructure Essentials* Greg Schulz, 2017-06-14 *Software-Defined Data Infrastructures Essentials* provides fundamental coverage of physical, cloud, converged, and virtual server storage I/O networking technologies, trends, tools, techniques, and tradecraft skills. From webscale, software-defined,

containers, database, key-value store, cloud, and enterprise to small or medium-size business, the book is filled with techniques, and tips to help develop or refine your server storage I/O hardware, software, and services skills. Whether you are new to data infrastructures or a seasoned pro, you will find this comprehensive reference indispensable for gaining as well as expanding experience with technologies, tools, techniques, and trends. We had a front row seat watching Greg present live in our education workshop seminar sessions for ITC professionals in the Netherlands material that is in this book. We recommend this amazing book to expand your converged and data infrastructure knowledge from beginners to industry veterans. —Gert and Frank Brouwer, Brouwer Storage Consultancy Software-Defined Data Infrastructures Essentials provides the foundational building blocks to improve your craft in several areas including applications, clouds, legacy, and more. IT professionals, as well as sales professionals and support personnel, stand to gain a great deal by reading this book.—Mark McSherry, Oracle Regional Sales Manager Looking to expand your data infrastructure IQ? From CIOs to operations, sales to engineering, this book is a comprehensive reference, a must read for IT infrastructure professionals, beginners to seasoned experts.—Tom Becchetti, Advisory Systems Engineer Greg Schulz has provided a complete 'toolkit' for storage management along with the background and framework for the storage or data infrastructure professional or those aspiring to become one.—Greg Brunton, Experienced Storage and Data Management Professional

american virtual cloud technologies buyout: American Export Register , 1980

american virtual cloud technologies buyout: Googled Ken Auletta, 2021-01-07 Googled is candid, authoritative and based on extensive research, including in-house at Google HQ where Ken Auletta had unprecedented access. He conducted over 150 interviews at Google with the company's founders and executives and also interviewed those in the media who are struggling to keep their heads above water. Crucially, Googled is not just a history or reportage: it's forward-looking. Auletta reveals how the media industry is being disrupted and redefined and shows how and why the worlds of 'new' and 'old' media often communicate as if residents of different planets. Googled is already being hailed as the definitive work on Google and is a crucial roadmap to how media business may be done in the future.

american virtual cloud technologies buyout: Digitalization of Higher Education using Cloud Computing S. L. Gupta, Nawal Kishor, Niraj Mishra, Sonali Mathur, Utkarsh Gupta, 2021-12-28 Digitalization of Higher Education using Cloud Computing: Implications, Risk, and Challenges provides an insight into the latest technology and tools being used to explore learning in Higher Educational Institutions (HEIs). Cloud computing, being an up-and-coming technology, integrates with academia and industry, thereby enhancing the quality of education. The opportunities and challenges faced by HEIs in recent times due to technological disruptions have forced both academia and industry to realign their strategies for survival and growth. With the acceleration of cloud computing in higher education, it has now become imperative for educators to constantly upskill and reskill in order to meet the requirements of the future of work, particularly in the digital age. Technological advancement is an unstoppable wave and the lack of relevant skills to handle the disruptions in higher education will become a huge challenge if not addressed promptly. This is the new phase of Education 4.0 where HEIs are aligning themselves using cloud computing implications, and thus are preparing both faculties and students to embrace the changes happening in the teaching and learning processes. This book focuses on multi-faceted strategies to be adopted by HEIs to deal with the emerging issues related to teaching-learning processes using cloud computing, technological interventions, curriculum overhaul, experiential learning, multi-disciplinary approaches, and continuous innovations and digitalization. The book offers comprehensive coverage of many academic areas, with the most essential topics including: • Pedagogies in digital education using a cloud environment • Risks and challenges in cloud platforms for teaching and learning • Collaborative and group learning in a cloud environment • Enhancing quality of education using e-learning methodologies The sections in this book are Cloud Enabled Digitalization of Higher Education and Innovations and Applications of Digitalization of Higher

Education: A Cloud Perspective. The book will be useful for undergraduates, graduates, academicians, scholars, and policy makers. It will help readers acquire skills for a smooth transition from face-to-face teaching to cloud-based teaching.

american virtual cloud technologies buyout: *Philosophy of Digital Currencies* Ugochukwu Chigoziem Ikpeazu, 2023-02-23 Current systems are failing the poor because these systems are unable to provide the financial inclusion needed for basic subsistence and commerce, which in turn would drive micro- and macro-economic growth. This book introduces the reader to a new way of thinking about how value can be created, captured, measured, and understood, economically and financially, and within the context of social contracts. It underscores the need to revisit such models through technological advancements, namely, Industrial Revolution 4.0, in order to solve pressing global issues such as economic inclusion and poverty eradication. The book proposes that for humanity to make the leap forward and for any real sustainable development to occur, the world needs a disruptive approach to value creation using currency systems, considering that currencies underpin value exchange. This disruption will result in a level of decentralization that facilitates peer-to-peer value exchange and drives financial inclusion, all of which should be underscored by a new, digital social contract. The author asserts that a time-based digital currency could address these issues by creating a new and truly inclusive currency model that allows economies to gain more value than previously possible. In addition, by leveraging 4IR technologies, a currency system can be designed where each unit of money accurately reflects the context and range of socio-economic factors that influence each human interaction. This book is aimed at futurists, technologists, researchers, policymakers, and anyone that is curious about how technology could make a difference in our collective futures. It cuts across a range of subject areas from economics, finance, philosophy, innovation to social development and takes an interdisciplinary approach to present a logical framework and theoretical foundation for the monetization of time as a digital currency.

american virtual cloud technologies buyout: *Handbook of Cloud Computing* Nayyar Dr. Anand, 2019-09-20 Great POSSIBILITIES and high future prospects to become ten times folds in the near FUTUREKey features Comprehensively gives clear picture of current state-of-the-art aspect of cloud computing by elaborating terminologies, models and other related terms. Enlightens all major players in Cloud Computing industry providing services in terms of SaaS, PaaS and IaaS. Highlights Cloud Computing Simulators, Security Aspect and Resource Allocation. In-depth presentation with well-illustrated diagrams and simple to understand technical concepts of cloud. Description The book e;Handbook of Cloud Computing; provides the latest and in-depth information of this relatively new and another platform for scientific computing which has great possibilities and high future prospects to become ten folds in near future. The book covers in comprehensive manner all aspects and terminologies associated with cloud computing like SaaS, PaaS and IaaS and also elaborates almost every cloud computing service model. The book highlights several other aspects of cloud computing like Security, Resource allocation, Simulation Platforms and futuristic trend i.e. Mobile cloud computing. The book will benefit all the readers with all in-depth technical information which is required to understand current and futuristic concepts of cloud computing. No prior knowledge of cloud computing or any of its related technology is required in reading this book. What will you learn Cloud Computing, Virtualisation Software as a Service, Platform as a Service, Infrastructure as a Service Data in Cloud and its Security Cloud Computing - Simulation, Mobile Cloud Computing Specific Cloud Service Models Resource Allocation in Cloud Computing Who this book is for Students of Polytechnic Diploma Classes- Computer Science/ Information Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students-Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S. Researcher's-Ph.D Research Scholars doing work in Virtualization, Cloud Computing and Cloud Security Industry Professionals- Preparing for Certifications, Implementing Cloud Computing and even working on Cloud Security Table of contents1. Introduction to Cloud Computing2. Virtualisation3. Software as a Service4. Platform as a Service5. Infrastructure as a Service6. Data in Cloud7. Cloud Security 8. Cloud Computing -

Simulation9. Specific Cloud Service Models10. Resource Allocation in Cloud Computing11. Mobile Cloud Computing About the authorDr. Anand Nayyar received Ph.D (Computer Science) in Wireless Sensor Networks and Swarm Intelligence. Presently he is working in Graduate School, Duy Tan University, Da Nang, Vietnam. He has total of fourteen Years of Teaching, Research and Consultancy experience with more than 250 Research Papers in various International Conferences and highly reputed journals. He is certified Professional with more than 75 certificates and member of 50 Professional Organizations. He is acting as e;ACM DISTINGUISHED SPEAKERe;

american virtual cloud technologies buyout: Spatial Cloud Computing Chaowei Yang, Qunying Huang, 2013-12-04 An exploration of the benefits of cloud computing in geoscience research and applications as well as future research directions, *Spatial Cloud Computing: A Practical Approach* discusses the essential elements of cloud computing and their advantages for geoscience. Using practical examples, it details the geoscience requirements of cloud computing, covers general procedures and considerations when migrating geoscience applications onto cloud services, and demonstrates how to deploy different applications. The book discusses how to choose cloud services based on the general cloud computing measurement criteria and cloud computing cost models. The authors examine the readiness of cloud computing to support geoscience applications using open source cloud software solutions and commercial cloud services. They then review future research and developments in data, computation, concurrency, and spatiotemporal intensities of geosciences and how cloud service can be leveraged to meet the challenges. They also introduce research directions from the aspects of technology, vision, and social dimensions. *Spatial Cloud Computing: A Practical Approach* a common workflow for deploying geoscience applications and provides references to the concepts, technical details, and operational guidelines of cloud computing. These features and more give developers, geoscientists, and IT professionals the information required to make decisions about how to select and deploy cloud services.

american virtual cloud technologies buyout: A Guidebook for 5GtoB and 6G Vision for Deep Convergence Pengfei Sun, 2023-07-24 This book aims to provide the industrial upgrading and business scenario improved and boosted by 5G, as well as to forecast the typical industry application with a 6G vision. At the beginning of the book, it builds an overview of how 5G stimulates industrial transformation in the global digitalization wave, involving its commercial use, policy support, and application development around the world. Also it summarizes the main challenges of 5GtoB in large-scale replication from the perspective of methodology and deduce its development path and future form oriented to XtoB. The author demonstrates the typical applications of 5G in key industries based on a large number of practices and propose common capabilities and essential components for large-scale replication, and details the progress in the convergence of 5GtoB and industry standards. It presents the 6G vision and innovative ToB enabling technologies and describe key technologies, including semantic communication, on-purpose network, and cell-free ultra-massive cooperative MIMO. As conclusion, it forecasts the typical industry applications of 6G, such as metaverse, man-machine interaction, and hyper-connected future city.

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Introbooks, 2020-04-07 In these highly competitive times and with so many technological advancements, it is impossible for any industry to remain isolated and untouched by innovations. In this era of digital economy, the banking sector cannot exist and operate without the various digital tools offered by the ever new innovations happening in the field of Artificial Intelligence (AI) and its sub-set technologies. New technologies have enabled incredible progression in the finance industry. Artificial Intelligence (AI) and Machine Learning (ML) have provided the investors and customers with more innovative tools, new types of financial products and a new potential for growth. According to Cathy Bessant (the Chief Operations and Technology Officer, Bank of America), AI is not just a technology discussion. It is also a discussion about data and how it is used and protected. She says, In a world focused on using AI in new ways, we're focused on using it wisely and responsibly.

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