



DR KUMAR SAURABH CLOUD COMPUTING WILEY PUBLICATION

DR KUMAR SAURABH CLOUD COMPUTING WILEY PUBLICATION DEMYSTIFYING CLOUD COMPUTING WITH DR KUMAR SAURABHS WILEY PUBLICATION SO YOU'RE INTERESTED IN LEARNING MORE ABOUT CLOUD COMPUTING BUT THE SHEER VOLUME OF INFORMATION OUT THERE FEELS OVERWHELMING YOU'RE NOT ALONE MANY PEOPLE FIND THE WORLD OF CLOUD SERVICES COMPLEX AND DAUNTING THAT'S WHERE DR KUMAR SAURABHS INSIGHTFUL WILEY PUBLICATION COMES IN THIS COMPREHENSIVE GUIDE CUTS THROUGH THE JARGON AND PROVIDES A PRACTICAL ACCESSIBLE UNDERSTANDING OF THIS TRANSFORMATIVE TECHNOLOGY LET'S DIVE IN WHAT MAKES DR SAURABHS BOOK STAND OUT DR SAURABHS BOOK ISN'T JUST ANOTHER THEORETICAL TEXTBOOK IT'S DESIGNED TO BRIDGE THE GAP BETWEEN ACADEMIC CONCEPTS AND REALWORLD APPLICATIONS HE MASTERFULLY EXPLAINS COMPLEX TOPICS USING CLEAR LANGUAGE RELATABLE EXAMPLES AND PRACTICAL CASE STUDIES THIS MAKES IT IDEAL FOR BOTH BEGINNERS AND THOSE WITH SOME PRIOR KNOWLEDGE LOOKING TO SOLIDIFY THEIR UNDERSTANDING THE BOOK COVERS A BROAD SPECTRUM OF CLOUD COMPUTING ASPECTS FROM FUNDAMENTAL CONCEPTS TO ADVANCED TECHNIQUES

IMAGINE AN IMAGE HERE A BOOK COVER MOCKUP OF CLOUD COMPUTING BY DR KUMAR SAURABH WILEY PUBLICATION THE COVER COULD FEATURE A STYLIZED CLOUD GRAPHIC

KEY AREAS COVERED IN THE BOOK DR SAURABHS BOOK THOROUGHLY EXPLORES VARIOUS CRUCIAL ASPECTS OF CLOUD COMPUTING INCLUDING CLOUD COMPUTING FUNDAMENTALS THIS SECTION LAYS THE GROUNDWORK EXPLAINING CORE CONCEPTS LIKE IaaS PaaS AND SaaS DIFFERENTIATING BETWEEN PUBLIC PRIVATE AND HYBRID CLOUD MODELS AND DISCUSSING THE BENEFITS AND CHALLENGES OF CLOUD ADOPTION CLOUD SERVICE PROVIDERS THE BOOK PROVIDES A DETAILED OVERVIEW OF MAJOR PLAYERS LIKE AWS AMAZON WEB SERVICES MICROSOFT AZURE AND GOOGLE CLOUD PLATFORM GCP

HIGHLIGHTING THEIR STRENGTHS AND WEAKNESSES TO HELP YOU CHOOSE THE BEST PROVIDER FOR YOUR NEEDS  A COMPARISON TABLE OF AWS, AZURE, AND GCP HIGHLIGHTING KEY FEATURES LIKE PRICING, SERVICES OFFERED, AND EASE OF USE. 2 SECURITY IN THE CLOUD. THIS IS A CRITICAL ASPECT OFTEN OVERLOOKED. DR SAURABH'S BOOK EMPHASIZES SECURITY BEST PRACTICES COVERING TOPICS LIKE DATA ENCRYPTION, ACCESS CONTROL, AND DISASTER RECOVERY STRATEGIES. IT STRESSES THE SHARED RESPONSIBILITY MODEL AND GUIDES YOU THROUGH SECURING YOUR CLOUD INFRASTRUCTURE EFFECTIVELY. PRACTICAL IMPLEMENTATIONS. THE BOOK DOESN'T SHY AWAY FROM PRACTICAL EXAMPLES. IT WALKS YOU THROUGH SETTING UP VIRTUAL MACHINES, DEPLOYING APPLICATIONS, AND MANAGING DATABASES ON POPULAR CLOUD PLATFORMS. THIS HANDSON APPROACH IS WHAT DIFFERENTIATES IT FROM MANY THEORETICAL TEXTS. CLOUD MIGRATION STRATEGIES. MOVING YOUR EXISTING SYSTEMS TO THE CLOUD CAN BE TRICKY. THE BOOK OFFERS VALUABLE INSIGHTS AND STRATEGIES FOR A SMOOTH AND SUCCESSFUL CLOUD MIGRATION, MINIMIZING DISRUPTIONS AND OPTIMIZING COSTS. HOWTO SECTION. SETTING UP A VIRTUAL MACHINE ON AWS. A SIMPLIFIED EXAMPLE. LET'S ILLUSTRATE THE BOOK'S PRACTICAL APPROACH WITH A SIMPLIFIED EXAMPLE: SETTING UP A VIRTUAL MACHINE (VM) ON AMAZON WEB SERVICES (AWS). WHILE THE BOOK PROVIDES MUCH MORE DETAIL, THIS GIVES YOU A FLAVOR. 1 SIGN UP FOR AN AWS ACCOUNT. THIS IS USUALLY FREE FOR A TRIAL PERIOD. 2 NAVIGATE TO THE EC2 (ELASTIC COMPUTE CLOUD) SERVICE. THIS IS WHERE YOU CREATE AND MANAGE YOUR VMs. 3 CHOOSE AN AMI (AMAZON MACHINE IMAGE). THIS IS THE TEMPLATE FOR YOUR VM, EG AN AMAZON LINUX AMI. 4 SELECT INSTANCE TYPE. THIS DEFINES THE VM's RESOURCES (CPU, MEMORY, STORAGE). 5 CONFIGURE SECURITY GROUP. THIS CONTROLS NETWORK ACCESS TO YOUR VM. 6 LAUNCH THE INSTANCE. AWS WILL THEN PROVISION YOUR VM. 7 CONNECT TO THE INSTANCE. USE SSH OR OTHER TOOLS TO ACCESS YOUR VM. THIS IS A SIMPLIFIED VERSION, BUT IT SHOWS HOW THE BOOK EMPOWERS YOU WITH PRACTICAL STEPS. THE BOOK PROVIDES DETAILED SCREENSHOTS AND STEP-BY-STEP INSTRUCTIONS FOR VARIOUS CLOUD PLATFORMS AND TASKS. VISUALIZING CLOUD CONCEPTS.  A DIAGRAM ILLUSTRATING THE DIFFERENT LAYERS OF CLOUD COMPUTING: IaaS, PaaS, SaaS, AND THEIR

RELATIONSHIPS USE CLEAR CONCISE LABELS VISUAL AIDS LIKE THIS ARE FREQUENTLY USED THROUGHOUT THE BOOK MAKING COMPLEX CONCEPTS EASIER TO GRASP THE BOOK EFFECTIVELY USES DIAGRAMS CHARTS AND TABLES TO ILLUSTRATE KEY IDEAS 3 AND RELATIONSHIPS BETWEEN DIFFERENT COMPONENTS OF CLOUD COMPUTING SUMMARY OF KEY POINTS DR KUMAR SAURABHS WILEY PUBLICATION OFFERS A COMPREHENSIVE AND PRACTICAL GUIDE TO CLOUD COMPUTING IT EXCELS BY CLEAR AND CONCISE EXPLANATIONS COMPLEX CONCEPTS ARE SIMPLIFIED FOR EASY UNDERSTANDING PRACTICAL HANDSON APPROACH THE BOOK EMPHASIZES REALWORLD APPLICATION WITH NUMEROUS EXAMPLES COMPREHENSIVE COVERAGE IT EXPLORES A WIDE RANGE OF TOPICS FROM FUNDAMENTALS TO ADVANCED TECHNIQUES FOCUS ON REALWORLD CASE STUDIES ILLUSTRATIVE EXAMPLES DEMONSTRATE CLOUD SOLUTIONS IN DIFFERENT SCENARIOS UPTODATE INFORMATION THE BOOK INCORPORATES THE LATEST ADVANCEMENTS IN CLOUD TECHNOLOGY 5 FAQs TO ADDRESS READER PAIN POINTS 1 Q IS THIS BOOK SUITABLE FOR BEGINNERS A ABSOLUTELY THE BOOK STARTS WITH THE FUNDAMENTALS AND GRADUALLY PROGRESSES TO MORE ADVANCED CONCEPTS MAKING IT ACCESSIBLE TO INDIVIDUALS WITH LITTLE OR NO PRIOR KNOWLEDGE 2 Q WHICH CLOUD PLATFORMS DOES THE BOOK COVER A THE BOOK PRIMARILY FOCUSES ON AWS AZURE AND GCP PROVIDING COMPARATIVE ANALYSES AND PRACTICAL EXAMPLES FOR EACH 3 Q DOES THE BOOK COVER SECURITY ASPECTS OF CLOUD COMPUTING A YES A SIGNIFICANT PORTION OF THE BOOK IS DEDICATED TO SECURITY BEST PRACTICES AND STRATEGIES FOR SECURING YOUR CLOUD INFRASTRUCTURE 4 Q HOW MUCH CODING EXPERIENCE IS REQUIRED A WHILE SOME BASIC COMMANDLINE KNOWLEDGE CAN BE HELPFUL THE BOOK DOESNT REQUIRE EXTENSIVE CODING SKILLS THE FOCUS IS ON UNDERSTANDING THE CONCEPTS AND APPLYING THEM PRACTICALLY 5 Q IS THIS BOOK WORTH THE INVESTMENT A CONSIDERING THE DEPTH OF COVERAGE PRACTICAL EXAMPLES AND CLARITY OF EXPLANATION THE BOOK PROVIDES EXCEPTIONAL VALUE FOR ANYONE LOOKING TO LEARN OR ENHANCE THEIR UNDERSTANDING OF CLOUD COMPUTING IN CONCLUSION DR KUMAR SAURABHS WILEY PUBLICATION ON CLOUD COMPUTING IS A VALUABLE RESOURCE FOR ANYONE LOOKING TO UNDERSTAND AND UTILIZE THIS TRANSFORMATIVE TECHNOLOGY ITS BLEND OF THEORETICAL

KNOWLEDGE AND PRACTICAL APPLICATION MAKES IT A MUSTREAD FOR BOTH BEGINNERS AND EXPERIENCED PROFESSIONALS ALIKE SO GRAB YOUR COPY AND START YOUR CLOUD JOURNEY TODAY 4

CLOUD COMPUTING AND VIRTUALIZATIONCLOUD COMPUTING BIBLECLOUD COMPUTING FOR DUMMIESCLOUD MANAGEMENT AND SECURITYCLOUD COMPUTING SOLUTIONSBUSINESS IN THE CLOUDRELIABILITY AND AVAILABILITY OF CLOUD COMPUTINGENCYCLOPEDIA OF CLOUD COMPUTINGCLOUD COMPUTINGARCHITECTING THE CLOUDRESEARCH ADVANCES IN CLOUD COMPUTINGDISTRIBUTED AND CLOUD COMPUTINGCLOUD TECHNOLOGIESCLOUD SERVICES, NETWORKING, AND MANAGEMENTASSURED CLOUD COMPUTINGCLOUD COMPUTING FOR DUMMIESLEAN COMPUTING FOR THE CLOUDCLOUD COMPUTING WITH THE WINDOWS AZURE PLATFORMCLOUD COMPUTING AND ELECTRONIC DISCOVERYDELIVERY AND ADOPTION OF CLOUD COMPUTING SERVICES IN CONTEMPORARY ORGANIZATIONS DAC-NHUONG LE BARRIE SOSINSKY JUDITH HURWITZ IMAD M. ABBADI SOUVIK PAL MICHAEL H. HUGOS ERIC BAUER SAN MURUGESAN PACHGHARE, V. K. MICHAEL J. KAVIS SANJAY CHAUDHARY KAI HWANG ROGER MCHANEY NELSON L. S. DA FONSECA ROY HAROLD CAMPBELL JUDITH S. HURWITZ ERIC BAUER ROGER JENNINGS JAMES P. MARTIN CHANG, VICTOR

CLOUD COMPUTING AND VIRTUALIZATION CLOUD COMPUTING BIBLE CLOUD COMPUTING FOR DUMMIES CLOUD MANAGEMENT AND SECURITY CLOUD COMPUTING SOLUTIONS BUSINESS IN THE CLOUD RELIABILITY AND AVAILABILITY OF CLOUD COMPUTING ENCYCLOPEDIA OF CLOUD COMPUTING CLOUD COMPUTING ARCHITECTING THE CLOUD RESEARCH ADVANCES IN CLOUD COMPUTING DISTRIBUTED AND CLOUD COMPUTING CLOUD TECHNOLOGIES CLOUD SERVICES, NETWORKING, AND MANAGEMENT ASSURED CLOUD COMPUTING CLOUD COMPUTING FOR DUMMIES LEAN COMPUTING FOR THE CLOUD CLOUD COMPUTING WITH THE WINDOWS AZURE PLATFORM CLOUD COMPUTING AND ELECTRONIC DISCOVERY DELIVERY AND ADOPTION OF CLOUD COMPUTING SERVICES IN CONTEMPORARY ORGANIZATIONS DAC-NHUONG LE BARRIE SOSINSKY JUDITH HURWITZ IMAD M. ABBADI SOUVIK PAL MICHAEL H. HUGOS ERIC BAUER SAN MURUGESAN PACHGHARE, V. K. MICHAEL J. KAVIS SANJAY CHAUDHARY KAI HWANG ROGER MCHANEY NELSON L. S. DA FONSECA ROY HAROLD

CAMPBELL JUDITH S. HURWITZ ERIC BAUER ROGER JENNINGS JAMES P. MARTIN CHANG, VICTOR

THE PURPOSE OF THIS BOOK IS FIRST TO STUDY CLOUD COMPUTING CONCEPTS SECURITY CONCERN IN CLOUDS AND DATA CENTERS LIVE MIGRATION AND ITS IMPORTANCE FOR CLOUD COMPUTING THE ROLE OF FIREWALLS IN DOMAINS WITH PARTICULAR FOCUS ON VIRTUAL MACHINE VM MIGRATION AND ITS SECURITY CONCERNS THE BOOK THEN TACKLES DESIGN IMPLEMENTATION OF THE FRAMEWORKS AND PREPARES TEST BEDS FOR TESTING AND EVALUATING VM MIGRATION PROCEDURES AS WELL AS FIREWALL RULE MIGRATION THE BOOK DEMONSTRATES HOW CLOUD COMPUTING CAN PRODUCE AN EFFECTIVE WAY OF NETWORK MANAGEMENT ESPECIALLY FROM A SECURITY PERSPECTIVE

THE COMPLETE REFERENCE GUIDE TO THE HOT TECHNOLOGY OF CLOUD COMPUTING ITS POTENTIAL FOR LOWERING IT COSTS MAKES CLOUD COMPUTING A MAJOR FORCE FOR BOTH IT VENDORS AND USERS IT IS EXPECTED TO GAIN MOMENTUM RAPIDLY WITH THE LAUNCH OF OFFICE APPS LATER THIS YEAR BECAUSE CLOUD COMPUTING INVOLVES VARIOUS TECHNOLOGIES PROTOCOLS PLATFORMS AND INFRASTRUCTURE ELEMENTS THIS COMPREHENSIVE REFERENCE IS JUST WHAT YOU NEED IF YOU LL BE USING OR IMPLEMENTING CLOUD COMPUTING CLOUD COMPUTING OFFERS SIGNIFICANT COST SAVINGS BY ELIMINATING UPFRONT EXPENSES FOR HARDWARE AND SOFTWARE ITS GROWING POPULARITY IS EXPECTED TO SKYROCKET WHEN MICROSOFT INTRODUCES OFFICE APPS THIS COMPREHENSIVE GUIDE HELPS DEFINE WHAT CLOUD COMPUTING IS AND THOROUGHLY EXPLORES THE TECHNOLOGIES PROTOCOLS PLATFORMS AND INFRASTRUCTURE THAT MAKE IT SO DESIRABLE COVERS MOBILE CLOUD COMPUTING A SIGNIFICANT AREA DUE TO EVER INCREASING CELL PHONE AND SMARTPHONE USE FOCUSES ON THE PLATFORMS AND TECHNOLOGIES ESSENTIAL TO CLOUD COMPUTING ANYONE INVOLVED WITH PLANNING IMPLEMENTING USING OR MAINTAINING A CLOUD COMPUTING PROJECT WILL RELY ON THE INFORMATION IN CLOUD COMPUTING BIBLE

MARKET DESC PRIMARY MARKET BUSINESS PROFESSIONALS IT PROFESSIONALS IT MANAGERS THOSE RESPONSIBLE FOR PLANNING AND

IMPLEMENTATION OF CLOUD COMPUTING APPLICATIONS IT FOLKS BOMBARDED WITH DEMANDS FOR CLOUD COMPUTING ENABLED APPLICATIONS SECONDARY MARKET PROGRAMMERS NETWORK ADMINISTRATORS THOSE IMPLEMENTING CLOUD COMPUTING APPLICATIONS SPECIAL FEATURES MAJOR IT INVESTMENTS THE FALTERING ECONOMY BOOSTS CLOUD COMPUTING IDC SAID IN 10 08 IT EXPECTS SPENDING ON IT CLOUD SERVICES TO REACH 42 BILLION BY 2012 A GROWTH OF THREEFOLD THE CLOUD MODEL OFFERS A CHEAPER WAY FOR BUSINESSES TO ACQUIRE AND USE IT WITHOUT CAPITAL INVESTMENTS PERFECT FOR DUMMIES TITLE THERE ARE MULTIPLE DEFINITIONS FOR CLOUD COMPUTING JUDITH HURWITZ ET AL CLEARS UP THE CONFUSION AND ENLIGHTEN THE READERS AS TO THE MEANING OF CLOUD COMPUTING FROM THE UTILITY COMPUTING STANDPOINT HELP THEM UNDERSTAND WHY IT S IMPORTANT AND GET THE READER STARTED ON IMPLEMENTING A SOLUTION PARTNERSHIP OPPORTUNITIES ONCE AGAIN WE ARE WORKING WITH POWERHOUSES IBM AND HP ON THE BOOK A MINIBOOK IS UNDER WAY WITH HP AND IBM WILL HAVE A MINIBOOK THEY WILL DISTRIBUTE UPSELLING THE RETAIL TITLE CONNECTED AUTHORS WITH A PLATFORM TIRELESS SELF PROMOTERS CLOUD COMPUTING AND SOA EXPERTS THE AUTHORS SPEAK ON ALMOST A DAILY BASIS AT MAJOR CONFERENCES AND WEBCASTS AND ARE FEATURED ALL OVER THE WEB AS EXPERTS THEY ARE WELL CONNECTED WITH THE MAJOR COMPANIES SELLING CLOUD COMPUTING SOLUTIONS ABOUT THE BOOK CLOUD COMPUTING FOR DUMMIES BEGINS BY DEBUNKING CLOUD COMPUTING PROVIDING A CLEAR DEFINITION FROM THE UTILITY COMPUTING STANDPOINT THEN MOVES INTO DELIVERING PRACTICAL GUIDANCE ON DELIVERING AND MANAGING CLOUD COMPUTING SERVICES IN AN EFFECTIVE AND EFFICIENT MANNER PRESENTING A PROACTIVE AND PRAGMATIC APPROACH TO IMPLEMENTING CLOUD COMPUTING IN ANY ORGANIZATION IT MANAGERS AND STAFF WILL FIND THE BOOK MOST USEFUL IN HELPING THEM UNDERSTAND THE BENEFITS AND CHALLENGES OF CLOUD COMPUTING HOW TO SELECT A SERVICE AND GETTING IT UP AND RUNNING THE BOOK ALSO ADDRESSES SECURITY CONCERNS

WRITTEN BY AN EXPERT WITH OVER 15 YEARS EXPERIENCE IN THE FIELD THIS BOOK ESTABLISHES THE FOUNDATIONS OF CLOUD COMPUTING BUILDING AN IN DEPTH AND DIVERSE UNDERSTANDING OF THE TECHNOLOGIES BEHIND CLOUD COMPUTING IN THIS BOOK THE

AUTHOR BEGINS WITH AN INTRODUCTION TO CLOUD COMPUTING PRESENTING FUNDAMENTAL CONCEPTS SUCH AS ANALYZING CLOUD DEFINITIONS CLOUD EVOLUTION CLOUD SERVICES CLOUD DEPLOYMENT TYPES AND HIGHLIGHTING THE MAIN CHALLENGES FOLLOWING ON FROM THE INTRODUCTION THE BOOK IS DIVIDED INTO THREE PARTS CLOUD MANAGEMENT CLOUD SECURITY AND PRACTICAL EXAMPLES PART ONE PRESENTS THE MAIN COMPONENTS CONSTITUTING THE CLOUD AND FEDERATED CLOUD INFRASTRUCTURE E G INTERACTIONS AND DEPLOYMENT DISCUSSES MANAGEMENT PLATFORMS RESOURCES AND SERVICES IDENTIFIES AND ANALYZES THE MAIN PROPERTIES OF THE CLOUD INFRASTRUCTURE AND PRESENTS CLOUD AUTOMATED MANAGEMENT SERVICES VIRTUAL AND APPLICATION RESOURCE MANAGEMENT SERVICES PART TWO ANALYZES THE PROBLEM OF ESTABLISHING TRUSTWORTHY CLOUD DISCUSSES FOUNDATION FRAMEWORKS FOR ADDRESSING THIS PROBLEM FOCUSING ON MECHANISMS FOR TREATING THE SECURITY CHALLENGES DISCUSSES FOUNDATION FRAMEWORKS AND MECHANISMS FOR REMOTE ATTESTATION IN CLOUD AND ESTABLISHING CLOUD TRUST ANCHORS AND LASTLY PROVIDES A FRAMEWORK FOR ESTABLISHING A TRUSTWORTHY PROVENANCE SYSTEM AND DESCRIBES ITS IMPORTANCE IN ADDRESSING MAJOR SECURITY CHALLENGES SUCH AS FORENSIC INVESTIGATION MITIGATING INSIDER THREATS AND OPERATION MANAGEMENT ASSURANCE FINALLY PART THREE BASED ON PRACTICAL EXAMPLES PRESENTS REAL LIFE COMMERCIAL AND OPEN SOURCE EXAMPLES OF SOME OF THE CONCEPTS DISCUSSED AND INCLUDES A REAL LIFE CASE STUDY TO REINFORCE LEARNING ESPECIALLY FOCUSING ON CLOUD SECURITY KEY FEATURES COVERS IN DETAIL TWO MAIN ASPECTS OF CLOUD COMPUTING CLOUD MANAGEMENT AND CLOUD SECURITY PRESENTS A HIGH LEVEL VIEW I E ARCHITECTURE FRAMEWORK FOR CLOUDS AND FEDERATED CLOUDS WHICH IS USEFUL FOR PROFESSIONALS DECISION MAKERS AND STUDENTS INCLUDES ILLUSTRATIONS AND REAL LIFE DEPLOYMENT SCENARIOS TO BRIDGE THE GAP BETWEEN THEORY AND PRACTICE EXTRACTS DEFINES AND ANALYZES THE DESIRED PROPERTIES AND MANAGEMENT SERVICES OF CLOUD COMPUTING AND ITS ASSOCIATED CHALLENGES AND DISADVANTAGES ANALYZES THE RISKS ASSOCIATED WITH CLOUD SERVICES AND DEPLOYMENT TYPES AND WHAT COULD BE DONE TO ADDRESS THE RISK FOR ESTABLISHING TRUSTWORTHY CLOUD COMPUTING PROVIDES A RESEARCH ROADMAP TO ESTABLISH NEXT GENERATION TRUSTWORTHY CLOUD

COMPUTING INCLUDES EXERCISES AND SOLUTIONS TO PROBLEMS AS WELL AS POWERPOINT SLIDES FOR INSTRUCTORS

CLOUD COMPUTING SOLUTIONS THE MAIN PURPOSE OF THIS BOOK IS TO INCLUDE ALL THE CLOUD RELATED TECHNOLOGIES IN A SINGLE PLATFORM SO THAT RESEARCHERS ACADEMICIANS POSTGRADUATE STUDENTS AND THOSE IN THE INDUSTRY CAN EASILY UNDERSTAND THE CLOUD BASED ECOSYSTEMS THIS BOOK DISCUSSES THE EVOLUTION OF CLOUD COMPUTING THROUGH GRID COMPUTING AND CLUSTER COMPUTING IT WILL HELP RESEARCHERS AND PRACTITIONERS TO UNDERSTAND GRID AND DISTRIBUTED COMPUTING CLOUD INFRASTRUCTURE VIRTUAL MACHINES VIRTUALIZATION LIVE MIGRATION SCHEDULING TECHNIQUES AUDITING CONCEPT SECURITY AND PRIVACY BUSINESS MODELS AND CASE STUDIES THROUGH THE STATE OF THE ART CLOUD COMPUTING COUNTERMEASURES THIS BOOK COVERS THE SPECTRUM OF CLOUD COMPUTING RELATED TECHNOLOGIES AND THE WIDE RANGING CONTENTS WILL DIFFERENTIATE THIS BOOK FROM OTHERS THE TOPICS TREATED IN THE BOOK INCLUDE THE EVOLUTION OF CLOUD COMPUTING FROM GRID COMPUTING CLUSTER COMPUTING AND DISTRIBUTED SYSTEMS COVERS CLOUD COMPUTING AND VIRTUALIZATION ENVIRONMENTS DISCUSSES LIVE MIGRATION DATABASE AUDITING AND APPLICATIONS AS PART OF THE MATERIALS RELATED TO CLOUD COMPUTING PROVIDES CONCEPTS OF CLOUD STORAGE CLOUD STRATEGY PLANNING AND MANAGEMENT CLOUD SECURITY AND PRIVACY ISSUES EXPLAINS COMPLEX CONCEPTS CLEARLY AND COVERS INFORMATION FOR ADVANCED USERS AND BEGINNERS AUDIENCE THE PRIMARY AUDIENCE FOR THE BOOK INCLUDES IT COMPUTER SCIENCE SPECIALISTS RESEARCHERS GRADUATE STUDENTS DESIGNERS EXPERTS AND ENGINEERS WHO ARE OCCUPIED WITH RESEARCH

A CLOSE LOOK AT CLOUD COMPUTING S TRANSFORMATIONAL ROLE IN BUSINESS COVERING CLOUD COMPUTING FROM WHAT THE BUSINESS LEADER NEEDS TO KNOW THIS BOOK DESCRIBES HOW IT CAN NIMBLY RAMP UP REVENUE INITIATIVES POSITIVELY IMPACT BUSINESS OPERATIONS AND COSTS AND HOW THIS ALLOWS BUSINESS LEADERS TO SHED WORRY ABOUT TECHNOLOGY SO THEY CAN FOCUS ON THEIR BUSINESS IT ALSO REVEALS THE CLOUD S EFFECT ON CORPORATE ORGANIZATION STRUCTURES THE EVOLUTION OF TRADITIONAL IT

IN THE GLOBAL ECONOMY POTENTIAL BENEFITS AND RISKS OF CLOUD MODELS AND MOST IMPORTANTLY HOW THE IT FUNCTION IS BEING RETHOUGHT BY COMPANIES TODAY WHO ARE MAKING ROOM FOR THE COMING TIDAL WAVE THAT IS CLOUD COMPUTING WHY IT AND BUSINESS THINKING MUST CHANGE TO CAPTURE THE FULL POTENTIAL OF CLOUD COMPUTING TOPICS INCLUDING EMERGING CLOUD SOLUTIONS DATA SECURITY SERVICE RELIABILITY THE NEW ROLE OF IT AND NEW BUSINESS ORGANIZATION STRUCTURES OTHER TITLES BY HUGOS INCLUDE BUSINESS AGILITY SUSTAINABLE PROSPERITY IN A RELENTLESSLY COMPETITIVE WORLD AND ESSENTIALS OF SUPPLY CHAIN MANAGEMENT 2ND EDITION PRACTICAL AND TIMELY THIS BOOK REVEALS WHY IT S WORTH EVERY COMPANY S TIME AND EFFORT TO EXPLOIT CLOUD COMPUTING S POTENTIAL FOR THEIR BUSINESS S SURVIVAL AND SUCCESS

A HOLISTIC APPROACH TO SERVICE RELIABILITY AND AVAILABILITY OF CLOUD COMPUTING RELIABILITY AND AVAILABILITY OF CLOUD COMPUTING PROVIDES IS IT SYSTEM AND SOLUTION ARCHITECTS DEVELOPERS AND ENGINEERS WITH THE KNOWLEDGE NEEDED TO ASSESS THE IMPACT OF VIRTUALIZATION AND CLOUD COMPUTING ON SERVICE RELIABILITY AND AVAILABILITY IT REVEALS HOW TO SELECT THE MOST APPROPRIATE DESIGN FOR RELIABILITY DILIGENCE TO ASSURE THAT USER EXPECTATIONS ARE MET ORGANIZED IN THREE PARTS BASICS RISK ANALYSIS AND RECOMMENDATIONS THIS RESOURCE IS ACCESSIBLE TO READERS OF DIVERSE BACKGROUNDS AND EXPERIENCE LEVELS NUMEROUS EXAMPLES AND MORE THAN 100 FIGURES THROUGHOUT THE BOOK HELP READERS VISUALIZE PROBLEMS TO BETTER UNDERSTAND THE TOPIC AND THE AUTHORS PRESENT RISKS AND OPTIONS IN BULLETED LISTS THAT CAN BE APPLIED DIRECTLY TO SPECIFIC APPLICATIONS PROBLEMS SPECIAL FEATURES OF THIS BOOK INCLUDE RIGOROUS ANALYSIS OF THE RELIABILITY AND AVAILABILITY RISKS THAT ARE INHERENT IN CLOUD COMPUTING SIMPLE FORMULAS THAT EXPLAIN THE QUANTITATIVE ASPECTS OF RELIABILITY AND AVAILABILITY ENLIGHTENING DISCUSSIONS OF THE WAYS IN WHICH VIRTUALIZED APPLICATIONS AND CLOUD DEPLOYMENTS DIFFER FROM TRADITIONAL SYSTEM IMPLEMENTATIONS AND DEPLOYMENTS SPECIFIC RECOMMENDATIONS FOR DEVELOPING RELIABLE VIRTUALIZED APPLICATIONS AND CLOUD BASED SOLUTIONS RELIABILITY AND AVAILABILITY OF CLOUD COMPUTING IS THE GUIDE FOR IS IT STAFF IN

BUSINESS GOVERNMENT ACADEMIA AND NON GOVERNMENTAL ORGANIZATIONS WHO ARE MOVING THEIR APPLICATIONS TO THE CLOUD IT IS ALSO AN IMPORTANT REFERENCE FOR PROFESSIONALS IN TECHNICAL SALES PRODUCT MANAGEMENT AND QUALITY MANAGEMENT AS WELL AS SOFTWARE AND QUALITY ENGINEERS LOOKING TO BROADEN THEIR EXPERTISE

THE ENCYCLOPEDIA OF CLOUD COMPUTING PROVIDES IT PROFESSIONALS EDUCATORS RESEARCHERS AND STUDENTS WITH A COMPENDIUM OF CLOUD COMPUTING KNOWLEDGE AUTHORED BY A SPECTRUM OF SUBJECT MATTER EXPERTS IN INDUSTRY AND ACADEMIA THIS UNIQUE PUBLICATION IN A SINGLE VOLUME COVERS A WIDE RANGE OF CLOUD COMPUTING TOPICS INCLUDING TECHNOLOGICAL TRENDS AND DEVELOPMENTS RESEARCH OPPORTUNITIES BEST PRACTICES STANDARDS AND CLOUD ADOPTION PROVIDING MULTIPLE PERSPECTIVES IT ALSO ADDRESSES QUESTIONS THAT STAKEHOLDERS MIGHT HAVE IN THE CONTEXT OF DEVELOPMENT OPERATION MANAGEMENT AND USE OF CLOUDS FURTHERMORE IT EXAMINES CLOUD COMPUTING S IMPACT NOW AND IN THE FUTURE THE ENCYCLOPEDIA PRESENTS 56 CHAPTERS LOGICALLY ORGANIZED INTO 10 SECTIONS EACH CHAPTER COVERS A MAJOR TOPIC AREA WITH CROSS REFERENCES TO OTHER CHAPTERS AND CONTAINS TABLES ILLUSTRATIONS SIDE BARS AS APPROPRIATE FURTHERMORE EACH CHAPTER PRESENTS ITS SUMMARY AT THE BEGINNING AND BACKEND MATERIAL REFERENCES AND ADDITIONAL RESOURCES FOR FURTHER INFORMATION

THIS WELL ORGANIZED BOOK PRESENTS THE PRINCIPLES TECHNIQUES DESIGN AND IMPLEMENTATION OF CLOUD COMPUTING WITH A PERFECT BALANCE IN THE PRESENTATION OF THEORETICAL AND PRACTICAL ASPECTS THE BOOK AFTER PROVIDING A BRIEF INTRODUCTION TO THE SUBJECT GIVES A CLEAR ANALYSIS OF DIFFERENT CLOUD COMPUTING MODELS AND EXPLAINS ALL THE RELEVANT CONCEPTS ON VIRTUALIZATION SECURITY ISSUES AND CHALLENGES IN CLOUD COMPUTING IN ADDITION TO THIS THE BOOK INTRODUCES THE READER WITH SOME OF THE PROMINENT CLOUD SERVICE PROVIDER COMPANIES LIKE AMAZON MICROSOFT AND GOOGLE AND DISCUSSES THE VARIOUS FEATURES OF THESE WEB SERVICES FURTHER TO PROVIDE THE NECESSARY BACKGROUND REQUIRED TO UNDERSTAND THE PRINCIPLES OF

CLOUD COMPUTING THE ROADMAP FOR MIGRATION OF APPLICATION TO CLOUD AND ROLES OF DIFFERENT STANDARDS USED FOR CLOUD COMPUTING ARE DISCUSSED IN DETAIL THE DISCUSSION ENDS AFTER ADDRESSING MOBILE CLOUD COMPUTING AND MICROSERVICES THE RECENT ADVANCES IN CLOUD COMPUTING THE BOOK IS PRIMARILY INTENDED FOR THE UNDERGRADUATE AND POSTGRADUATE STUDENTS OF COMPUTER SCIENCE AND ENGINEERING AND INFORMATION TECHNOLOGY KEY FEATURES FOCUSES MORE ON THE APPLICATIONS AND SECURITY ASPECTS INCORPORATES EXERCISES AT THE END OF EACH CHAPTER PROVIDES LIVE EXAMPLES AND LARGE NUMBER OF DIAGRAMS FOR ILLUSTRATIONS THE BOOK IS PRIMARILY INTENDED FOR THE UNDERGRADUATE AND POSTGRADUATE STUDENTS OF COMPUTER SCIENCE AND ENGINEERING AND INFORMATION TECHNOLOGY

AN EXPERT GUIDE TO SELECTING THE RIGHT CLOUD SERVICE MODEL FOR YOUR BUSINESS CLOUD COMPUTING IS ALL THE RAGE ALLOWING FOR THE DELIVERY OF COMPUTING AND STORAGE CAPACITY TO A DIVERSE COMMUNITY OF END RECIPIENTS HOWEVER BEFORE YOU CAN DECIDE ON A CLOUD MODEL YOU NEED TO DETERMINE WHAT THE IDEAL CLOUD SERVICE MODEL IS FOR YOUR BUSINESS HELPING YOU CUT THROUGH ALL THE HAZE ARCHITECTING THE CLOUD IS VENDOR NEUTRAL AND GUIDES YOU IN MAKING ONE OF THE MOST CRITICAL TECHNOLOGY DECISIONS THAT YOU WILL FACE SELECTING THE RIGHT CLOUD SERVICE MODEL S BASED ON A COMBINATION OF BOTH BUSINESS AND TECHNOLOGY REQUIREMENTS GUIDES CORPORATIONS THROUGH KEY CLOUD DESIGN CONSIDERATIONS DISCUSSES THE PROS AND CONS OF EACH CLOUD SERVICE MODEL HIGHLIGHTS MAJOR DESIGN CONSIDERATIONS IN AREAS SUCH AS SECURITY DATA PRIVACY LOGGING DATA STORAGE SLA MONITORING AND MORE CLEARLY DEFINES THE SERVICES CLOUD PROVIDERS OFFER FOR EACH SERVICE MODEL AND THE CLOUD SERVICES IT MUST PROVIDE ARMING YOU WITH THE INFORMATION YOU NEED TO CHOOSE THE RIGHT CLOUD SERVICE PROVIDER ARCHITECTING THE CLOUD IS A COMPREHENSIVE GUIDE COVERING EVERYTHING YOU NEED TO BE AWARE OF IN SELECTING THE RIGHT CLOUD SERVICE MODEL FOR YOU

THIS BOOK ADDRESSES THE EMERGING AREA OF CLOUD COMPUTING PROVIDING A COMPREHENSIVE OVERVIEW OF THE RESEARCH AREAS RECENT WORK AND OPEN RESEARCH PROBLEMS THE MOVE TO CLOUD COMPUTING IS NO LONGER MERELY A TOPIC OF DISCUSSION IT HAS BECOME A CORE COMPETENCY THAT EVERY MODERN BUSINESS NEEDS TO EMBRACE AND EXCEL AT IT HAS CHANGED THE WAY ENTERPRISE AND INTERNET COMPUTING IS VIEWED AND THIS SUCCESS STORY IS THE RESULT OF THE LONG TERM EFFORTS OF COMPUTING RESEARCH COMMUNITY AROUND THE GLOBE IT IS PREDICTED THAT BY 2026 MORE THAN TWO THIRDS OF ALL ENTERPRISES ACROSS THE GLOBE WILL BE ENTIRELY RUN IN CLOUD THESE PREDICTIONS HAVE LED TO HUGE LEVELS OF FUNDING FOR RESEARCH AND DEVELOPMENT IN CLOUD COMPUTING AND RELATED TECHNOLOGIES ACCORDINGLY UNIVERSITIES ACROSS THE GLOBE HAVE INCORPORATED CLOUD COMPUTING AND ITS RELATED TECHNOLOGIES IN THEIR CURRICULUM AND INFORMATION TECHNOLOGY IT ORGANIZATIONS ARE ACCELERATING THEIR SKILL SET EVOLUTION IN ORDER TO BE BETTER PREPARED TO MANAGE EMERGING TECHNOLOGIES AND PUBLIC EXPECTATIONS OF THE CLOUD SUCH AS NEW SERVICES

DISTRIBUTED AND CLOUD COMPUTING FROM PARALLEL PROCESSING TO THE INTERNET OF THINGS OFFERS COMPLETE COVERAGE OF MODERN DISTRIBUTED COMPUTING TECHNOLOGY INCLUDING CLUSTERS THE GRID SERVICE ORIENTED ARCHITECTURE MASSIVELY PARALLEL PROCESSORS PEER TO PEER NETWORKING AND CLOUD COMPUTING IT IS THE FIRST MODERN UP TO DATE DISTRIBUTED SYSTEMS TEXTBOOK IT EXPLAINS HOW TO CREATE HIGH PERFORMANCE SCALABLE RELIABLE SYSTEMS EXPOSING THE DESIGN PRINCIPLES ARCHITECTURE AND INNOVATIVE APPLICATIONS OF PARALLEL DISTRIBUTED AND CLOUD COMPUTING SYSTEMS TOPICS COVERED BY THIS BOOK INCLUDE FACILITATING MANAGEMENT DEBUGGING MIGRATION AND DISASTER RECOVERY THROUGH VIRTUALIZATION CLUSTERED SYSTEMS FOR RESEARCH OR ECOMMERCE APPLICATIONS DESIGNING SYSTEMS AS WEB SERVICES AND SOCIAL NETWORKING SYSTEMS USING PEER TO PEER COMPUTING THE PRINCIPLES OF CLOUD COMPUTING ARE DISCUSSED USING EXAMPLES FROM OPEN SOURCE AND COMMERCIAL APPLICATIONS ALONG WITH CASE STUDIES FROM THE LEADING DISTRIBUTED COMPUTING VENDORS SUCH AS AMAZON MICROSOFT AND GOOGLE EACH CHAPTER INCLUDES

EXERCISES AND FURTHER READING WITH LECTURE SLIDES AND MORE AVAILABLE ONLINE THIS BOOK WILL BE IDEAL FOR STUDENTS TAKING A DISTRIBUTED SYSTEMS OR DISTRIBUTED COMPUTING CLASS AS WELL AS FOR PROFESSIONAL SYSTEM DESIGNERS AND ENGINEERS LOOKING FOR A REFERENCE TO THE LATEST DISTRIBUTED TECHNOLOGIES INCLUDING CLOUD P2P AND GRID COMPUTING COMPLETE COVERAGE OF MODERN DISTRIBUTED COMPUTING TECHNOLOGY INCLUDING CLUSTERS THE GRID SERVICE ORIENTED ARCHITECTURE MASSIVELY PARALLEL PROCESSORS PEER TO PEER NETWORKING AND CLOUD COMPUTING INCLUDES CASE STUDIES FROM THE LEADING DISTRIBUTED COMPUTING VENDORS AMAZON MICROSOFT GOOGLE AND MORE EXPLAINS HOW TO USE VIRTUALIZATION TO FACILITATE MANAGEMENT DEBUGGING MIGRATION AND DISASTER RECOVERY DESIGNED FOR UNDERGRADUATE OR GRADUATE STUDENTS TAKING A DISTRIBUTED SYSTEMS COURSE EACH CHAPTER INCLUDES EXERCISES AND FURTHER READING WITH LECTURE SLIDES AND MORE AVAILABLE ONLINE

CLOUD TECHNOLOGIES CONTAINS A VARIETY OF CLOUD COMPUTING TECHNOLOGIES AND EXPLORES HOW THE CLOUD CAN ENHANCE BUSINESS OPERATIONS CLOUD TECHNOLOGIES OFFERS AN ACCESSIBLE GUIDE TO CLOUD BASED SYSTEMS AND CLEARLY EXPLAINS HOW THESE TECHNOLOGIES HAVE CHANGED THE WAY ORGANIZATIONS APPROACH AND IMPLEMENT THEIR COMPUTING INFRASTRUCTURE THE AUTHOR INCLUDES AN OVERVIEW OF CLOUD COMPUTING AND ADDRESSES BUSINESS RELATED CONSIDERATIONS SUCH AS SERVICE LEVEL AGREEMENTS ELASTICITY SECURITY AUDITS AND PRACTICAL IMPLEMENTATION ISSUES IN ADDITION THE BOOK COVERS IMPORTANT TOPICS SUCH AS AUTOMATION INFRASTRUCTURE AS CODE DEVOPS ORCHESTRATION AND EDGE COMPUTING CLOUD COMPUTING FUNDAMENTALLY CHANGES THE WAY ORGANIZATIONS THINK ABOUT AND IMPLEMENT IT INFRASTRUCTURE ANY MANAGER WITHOUT A FIRM GRASP OF BASIC CLOUD CONCEPTS IS AT A HUGE DISADVANTAGE IN THE MODERN WORLD WRITTEN FOR ALL LEVELS OF MANAGERS WORKING IN IT AND OTHER AREAS THE BOOK EXPLORES COST SAVINGS AND ENHANCED CAPABILITIES AS WELL AS IDENTIFIES DIFFERENT MODELS FOR IMPLEMENTING CLOUD TECHNOLOGIES AND TACKLING CLOUD BUSINESS CONCERNS THIS IMPORTANT BOOK DEMONSTRATES A VARIETY OF CLOUD COMPUTING TECHNOLOGIES AND WAYS THE CLOUD CAN ENHANCE BUSINESS OPERATIONS ADDRESSES DATA SECURITY CONCERNS IN CLOUD

COMPUTING RELEVANT TO CORPORATE DATA OWNERS SHOWS WAYS THE CLOUD CAN SAVE MONEY FOR A BUSINESS OFFERS A COMPANION WEBSITE HOSTING POWERPOINT SLIDES WRITTEN FOR MANAGERS IN THE FIELDS OF BUSINESS IT AND CLOUD COMPUTING CLOUD TECHNOLOGIES DESCRIBES CLOUD COMPUTING CONCEPTS AND RELATED STRATEGIES AND OPERATIONS IN ACCESSIBLE LANGUAGE

CLOUD SERVICES NETWORKING AND MANAGEMENT PROVIDES A COMPREHENSIVE OVERVIEW OF THE CLOUD INFRASTRUCTURE AND SERVICES AS WELL AS THEIR UNDERLYING MANAGEMENT MECHANISMS INCLUDING DATA CENTER VIRTUALIZATION AND NETWORKING CLOUD SECURITY AND RELIABILITY BIG DATA ANALYTICS SCIENTIFIC AND COMMERCIAL APPLICATIONS SPECIAL FEATURES OF THE BOOK INCLUDE STATE OF THE ART CONTENT SELF CONTAINED CHAPTERS FOR READERS WITH SPECIFIC INTERESTS INCLUDES COMMERCIAL APPLICATIONS ON CLOUD VIDEO SERVICES AND GAMES

EXPLORES THEMES THAT DRIVE INDIVIDUAL CONTRIBUTIONS INCLUDING DESIGN CORRECTNESS SUPPORT FOR BIG DATA AND ANALYTICS MONITORING AND DETECTION NETWORK CONSIDERATIONS AND PERFORMANCE SYNTHESIZES HIGHLY CITED EARLIER WORK ON TOPICS INCLUDING DARE TRUST MECHANISMS AND ELASTIC GRAPHS AS WELL AS NEWER RESEARCH FINDINGS ON TOPICS INCLUDING R STORM AND RAMP TRANSACTIONS ADDRESSES ASSURED CLOUD COMPUTING CONCERNS SUCH AS GAME THEORY STREAM PROCESSING STORAGE ALGORITHMS WORKFLOW SCHEDULING ACCESS CONTROL FORMAL ANALYSIS OF SAFETY AND STREAMING MARKETING DESCRIPTION IEEE COMPUTER SOCIETY THE IEEE RELIABILITY SOCIETY AND THE IEEE SYSTEMS MAN AND CYBERNETICS SOCIETY

GET YOUR HEAD AND YOUR BUSINESS INTO THE CLOUD CLOUD COMPUTING IS NO LONGER JUST A CLEVER NEW TOY IN THE WORLD OF IT INFRASTRUCTURE DESPITE THE NEBULOUS NAME IT S BECOME A REAL AND IMPORTANT PART OF OUR INFORMATION ARCHITECTURE AND TECH PROFESSIONALS WHO IGNORE IT OR TRY TO SKIM THEIR WAY THROUGH RISK FALLING BEHIND RAPIDLY THE NEW EDITION OF CLOUD COMPUTING FOR DUMMIES GETS YOU UP TO SPEED FAST CLARIFYING YOUR CLOUD OPTIONS SHOWING YOU WHERE CAN SAVE YOU TIME

AND MONEY GIVING YOU WAYS TO FRAME YOUR DECISIONS AND HELPING YOU AVOID WEEKS OF RESEARCH IN A FRIENDLY EASY TO FOLLOW STYLE CLOUD COMPUTING FOR DUMMIES 2ND EDITION DEMYSTIFIES THE CLOUD S VIRTUAL LANDSCAPE BREAKING UP A COMPLEX AND MULTI LAYERED TOPIC INTO SIMPLE EXPLANATIONS THAT WILL MAKE THE VARIOUS BENEFITS CLEAR AND ULTIMATELY GUIDE YOU TOWARD MAKING THE MOST APPROPRIATE CHOICES FOR YOUR ORGANIZATION KNOW THE BUSINESS CASE FOR THE CLOUD UNDERSTAND HYBRID AND MULTI CLOUD OPTIONS DEVELOP YOUR CLOUD STRATEGY GET TIPS ON BEST PRACTICES THE CLOUD IS EVERYWHERE AND IT CAN DELIVER AMAZING BENEFITS TO OUR LIVES AND BUSINESSES GET A MUCH CLEARER VISION OF EXACTLY HOW WITH CLOUD COMPUTING FOR DUMMIES AND YOU LL BEGIN TO SEE THAT THE SKY REALLY IS THE LIMIT

APPLIES LEAN MANUFACTURING PRINCIPLES ACROSS THE CLOUD SERVICE DELIVERY CHAIN TO ENABLE APPLICATION AND INFRASTRUCTURE SERVICE PROVIDERS TO SUSTAINABLY ACHIEVE THE SHORTEST LEAD TIME BEST QUALITY AND VALUE APPLIES LEAN THINKING ACROSS THE CLOUD SERVICE DELIVERY CHAIN TO RECOGNIZE AND MINIMIZE WASTE LEVERAGES LESSONS LEARNED FROM ELECTRIC POWER INDUSTRY OPERATIONS TO OPERATIONS OF CLOUD INFRASTRUCTURE APPLIES INSIGHTS FROM JUST IN TIME INVENTORY MANAGEMENT TO OPERATION OF CLOUD BASED APPLICATIONS EXPLAINS HOW TRADITIONAL INFORMATION TECHNOLOGY INFRASTRUCTURE LIBRARY ITIL AND ENHANCED TELECOM OPERATION MAP ETOM CAPACITY MANAGEMENT EVOLVES TO LEAN COMPUTING FOR THE CLOUD

LEVERAGE THE POWER OF THE AZURE SERVICES PLATFORM FOR CLOUD COMPUTING WITH THE AZURE SERVICES PLATFORM PROCESSING AND STORING DATA MOVES FROM INDIVIDUAL CORPORATE SERVERS AND SITES TO LARGER MORE RELIABLE AND MORE SECURE DATA CENTERS ROGER JENNINGS AUTHOR OF MORE THAN 30 BOOKS ON MICROSOFT TECHNOLOGIES SHOWS YOU HOW TO LEVERAGE THE POWER OF AZURE AND ITS RELATED SERVICES FOR CLOUD COMPUTING THE BOOK BEGINS WITH A LOOK AT THE DIFFERENCES BETWEEN CLOUD COMPUTING AND APPLICATION HOSTING AND EXAMINES THE VARIOUS ISSUES THAT NET DEVELOPERS AND IT MANAGERS FACE IN MOVING

FROM ON PREMISE TO CLOUD BASED APPLICATIONS INCLUDING SECURITY PRIVACY REGULATORY COMPLIANCE BACKUP AND RECOVERY ASSET CATALOGING AND OTHER COMMON TECHNICAL ISSUES THE AUTHOR THEN DRILLS DOWN SHOWING BASIC PROGRAMMING FOR INDIVIDUAL AZURE COMPONENTS INCLUDING STORAGE SQL DATA SERVICES AND NET SERVICES HE THEN MOVES ON TO COVER MORE ADVANCED PROGRAMMING CHALLENGES EXPLAINS THE BENEFITS OF USING THE AZURE SERVICES PLATFORM FOR CLOUD COMPUTING SHOWS HOW TO PROGRAM WITH WINDOWS AZURE COMPONENTS INCLUDING AZURE TABLE AND BLOB STORAGE NET SERVICES AND SQL AZURE ADDRESSES ADVANCED PROGRAMMING CHALLENGES OF CREATING USEFUL PROJECTS THAT COMBINE CLOUD STORAGE WITH APPLICATIONS OR SERVICES COMPANION SITE FEATURES COMPLETE FINISHED APPLICATIONS THAT CAN BE UPLOADED TO JUMP START A WINDOWS AZURE PROJECT ROGER JENNINGS CLEARS AWAY THE CLOUDS AND GETS YOU STARTED USING THE AZURE SERVICES PLATFORM

EXPLORE THE FRONTIER OF ELECTRONIC DISCOVERY IN THE CLOUD CLOUD COMPUTING AND ELECTRONIC DISCOVERY COMPREHENSIVELY COVERS THE QUICKLY EVOLVING REALM OF EDISCOVERY IN CLOUD COMPUTING ENVIRONMENTS A COMPUTING AND LEGAL FRONTIER IN WHICH THE RULES AND LEGAL PRECEDENTS ARE BEING DEVELOPED ANEW SEEMINGLY BY THE DAY THE BOOK DELVES INTO THIS FASCINATING AND RAPIDLY DEVELOPING TOPIC TO PREPARE FRAUD INVESTIGATORS LEGAL PROFESSIONALS FORENSIC ACCOUNTANTS AND EXECUTIVES UNDERSTAND THE RAMIFICATIONS OF STORING DATA WITH THIRD PARTY PROVIDERS AND HOW SUCH STORAGE MECHANISMS RELATE TO THE LIMITS OF DISCOVERY PRACTICES THIS UP TO DATE RESOURCE ALSO INCLUDES A COMPLETE DISCUSSION OF THE FEW EXISTING LEGAL PRECEDENTS AND CURRENT CASES THAT ARE SHAPING INTERPRETATION OF DISCOVERY LAWS IN THE CLOUD SPACE A PERFECT OVERVIEW FOR EXECUTIVES STORING THEIR COMPANIES DATA IN THE CLOUD AND THE LEGAL PROFESSIONALS TASKED WITH UNDERSTANDING AND INTERPRETING THE DISCOVERY RULES SURROUNDING THAT DATA THE BOOK IS COMPREHENSIVE IN SCOPE AND INCLUDES AN OVERVIEW OF CURRENT TRENDS IN CLOUD COMPUTING INCLUDING POTENTIAL INFORMATION THAT SHOULD BE CONSIDERED IN AN INVESTIGATION THAT INVOLVES DATA HELD BY A CLOUD SERVICE PROVIDER UPDATES ON CURRENT AND PROPOSED LAWS GOVERNING DISCOVERY OF

INFORMATION HELD BY A THIRD PARTY CLOUD SERVICE PROVIDER UPDATES ON LEGAL CASES THAT ADDRESS THE ISSUES OF THE ELECTRONIC COMMUNICATION PRIVACY ACT THE FEDERAL LAW PROHIBITING RELEASE OF INFORMATION BY A THIRD PARTY PROVIDER PRACTICAL GUIDANCE ON HOW TO CONSIDER THE AVAILABILITY OF CLOUD DATA RELEVANT TO AN INVESTIGATION AND HOW TO INCLUDE THIS DATA IN DISCOVERY PLANS FOR BUSINESS ACCOUNTING AND LEGAL PROFESSIONALS CLOUD COMPUTING AND ELECTRONIC DISCOVERY IS AN INVALUABLE RESOURCE FOR UNDERSTANDING THE NUANCED DEVELOPMENT OF CLOUD EDISCOVERY POLICIES PRACTICES AND LAW AS THEY CONTINUE TO UNFOLD AND DEVELOP

THE UBIQUITY OF TECHNOLOGY HAS NOT ONLY BROUGHT THE NEED FOR COMPUTER KNOWLEDGE TO EVERY ASPECT OF THE MODERN BUSINESS WORLD IT HAS ALSO INCREASED OUR NEED TO SAFELY STORE THE DATA WE ARE NOW CREATING AT A RATE NEVER EXPERIENCED BEFORE DELIVERY AND ADOPTION OF CLOUD COMPUTING SERVICES IN CONTEMPORARY ORGANIZATIONS BRINGS TOGETHER THE BEST PRACTICES FOR STORING MASSIVE AMOUNTS OF DATA HIGHLIGHTING WAYS CLOUD SERVICES CAN WORK EFFECTIVELY IN PRODUCTION AND IN REAL TIME THIS BOOK IS AN ESSENTIAL REFERENCE SOURCE FOR PROFESSIONALS AND ACADEMICS OF VARIOUS DISCIPLINES SUCH AS COMPUTER SCIENCE CONSULTING INFORMATION TECHNOLOGY INFORMATION AND COMMUNICATION SCIENCES HEALTHCARE AND FINANCE

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INTRODUCTION

THE DIGITAL AGE HAS REVOLUTIONIZED THE WAY WE READ, MAKING BOOKS MORE ACCESSIBLE THAN EVER. WITH THE RISE OF EBOOKS, READERS CAN NOW CARRY ENTIRE LIBRARIES IN THEIR

POCKETS. AMONG THE VARIOUS SOURCES FOR EBOOKS, FREE EBOOK SITES HAVE EMERGED AS A POPULAR CHOICE. THESE SITES OFFER A TREASURE TROVE OF KNOWLEDGE AND ENTERTAINMENT WITHOUT THE COST. BUT WHAT MAKES THESE SITES SO VALUABLE, AND WHERE CAN YOU FIND THE BEST ONES? LET'S DIVE INTO THE WORLD OF FREE EBOOK SITES.

BENEFITS OF FREE EBOOK SITES

WHEN IT COMES TO READING, FREE EBOOK SITES OFFER NUMEROUS ADVANTAGES.

COST SAVINGS

FIRST AND FOREMOST, THEY SAVE YOU MONEY. BUYING BOOKS CAN BE EXPENSIVE, ESPECIALLY IF YOU'RE AN AVID READER. FREE EBOOK SITES ALLOW YOU TO ACCESS A VAST ARRAY OF BOOKS WITHOUT SPENDING A DIME.

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VARIETY OF CHOICES

MOREOVER, THE VARIETY OF CHOICES AVAILABLE IS ASTOUNDING. FROM CLASSIC LITERATURE TO CONTEMPORARY NOVELS, ACADEMIC TEXTS TO CHILDREN'S BOOKS, FREE EBOOK SITES COVER ALL GENRES AND INTERESTS.

TOP FREE EBOOK SITES

THERE ARE COUNTLESS FREE EBOOK SITES, BUT A FEW STAND OUT FOR THEIR QUALITY AND RANGE OF OFFERINGS.

PROJECT GUTENBERG

PROJECT GUTENBERG IS A PIONEER IN OFFERING FREE EBOOKS. WITH

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How to Download Ebooks Safely

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AVOIDING PIRATED CONTENT

STICK TO REPUTABLE SITES TO ENSURE YOU'RE NOT DOWNLOADING PIRATED CONTENT. PIRATED EBOOKS NOT ONLY HARM AUTHORS AND PUBLISHERS BUT CAN ALSO POSE SECURITY RISKS.

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ALWAYS USE ANTIVIRUS SOFTWARE AND KEEP YOUR DEVICES UPDATED TO PROTECT AGAINST MALWARE THAT CAN BE HIDDEN IN DOWNLOADED FILES.

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BE AWARE OF THE LEGAL CONSIDERATIONS WHEN DOWNLOADING EBOOKS. ENSURE THE SITE HAS THE RIGHT TO DISTRIBUTE THE BOOK AND THAT YOU'RE NOT VIOLATING COPYRIGHT LAWS.

USING FREE EBOOK SITES FOR EDUCATION

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ACADEMIC RESOURCES

SITES LIKE PROJECT GUTENBERG AND OPEN LIBRARY OFFER NUMEROUS ACADEMIC RESOURCES, INCLUDING TEXTBOOKS AND SCHOLARLY ARTICLES.

LEARNING NEW SKILLS

YOU CAN ALSO FIND BOOKS ON VARIOUS SKILLS, FROM COOKING TO PROGRAMMING, MAKING THESE SITES GREAT FOR PERSONAL DEVELOPMENT.

SUPPORTING HOMESCHOOLING

FOR HOMESCHOOLING PARENTS, FREE EBOOK SITES PROVIDE A WEALTH OF EDUCATIONAL MATERIALS FOR DIFFERENT GRADE LEVELS AND SUBJECTS.

GENRES AVAILABLE ON FREE EBOOK SITES

THE DIVERSITY OF GENRES AVAILABLE ON FREE EBOOK SITES ENSURES THERE'S SOMETHING FOR EVERYONE.

FICTION

FROM TIMELESS CLASSICS TO CONTEMPORARY BESTSELLERS, THE FICTION SECTION IS BRIMMING WITH OPTIONS.

NON-FICTION

NON-FICTION ENTHUSIASTS CAN FIND BIOGRAPHIES, SELF-HELP BOOKS, HISTORICAL TEXTS, AND MORE.

TEXTBOOKS

STUDENTS CAN ACCESS TEXTBOOKS ON A WIDE RANGE OF SUBJECTS, HELPING REDUCE THE FINANCIAL BURDEN OF EDUCATION.

CHILDREN'S BOOKS

PARENTS AND TEACHERS CAN FIND A PLETHORA OF CHILDREN'S BOOKS, FROM PICTURE BOOKS TO YOUNG ADULT NOVELS.

ACCESSIBILITY FEATURES OF EBOOK SITES

EBOOK SITES OFTEN COME WITH FEATURES THAT ENHANCE ACCESSIBILITY.

AUDIOBOOK OPTIONS

MANY SITES OFFER AUDIOBOOKS, WHICH ARE GREAT FOR THOSE WHO PREFER LISTENING TO READING.

ADJUSTABLE FONT SIZES

YOU CAN ADJUST THE FONT SIZE TO SUIT YOUR READING COMFORT, MAKING IT EASIER FOR THOSE WITH VISUAL IMPAIRMENTS.

TEXT-TO-SPEECH CAPABILITIES

TEXT-TO-SPEECH FEATURES CAN CONVERT WRITTEN TEXT INTO AUDIO, PROVIDING AN ALTERNATIVE WAY TO ENJOY BOOKS.

TIPS FOR MAXIMIZING YOUR EBOOK EXPERIENCE

TO MAKE THE MOST OUT OF YOUR EBOOK READING EXPERIENCE, CONSIDER THESE TIPS.

CHOOSING THE RIGHT DEVICE

WHETHER IT'S A TABLET, AN E-READER, OR A SMARTPHONE, CHOOSE A DEVICE THAT OFFERS A COMFORTABLE READING EXPERIENCE FOR YOU.

ORGANIZING YOUR EBOOK LIBRARY

USE TOOLS AND APPS TO ORGANIZE YOUR EBOOK COLLECTION, MAKING IT EASY TO FIND AND ACCESS YOUR FAVORITE TITLES.

SYNCING ACROSS DEVICES

MANY EBOOK PLATFORMS ALLOW YOU TO SYNC YOUR LIBRARY ACROSS MULTIPLE DEVICES, SO YOU CAN PICK UP RIGHT WHERE YOU LEFT OFF, NO MATTER WHICH DEVICE YOU'RE USING.

CHALLENGES AND LIMITATIONS

DESPITE THE BENEFITS, FREE EBOOK SITES COME WITH CHALLENGES AND LIMITATIONS.

QUALITY AND AVAILABILITY OF TITLES

NOT ALL BOOKS ARE AVAILABLE FOR FREE, AND SOMETIMES THE QUALITY OF THE DIGITAL COPY CAN BE POOR.

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DRM CAN RESTRICT HOW YOU USE THE EBOOKS YOU DOWNLOAD, LIMITING SHARING AND TRANSFERRING BETWEEN DEVICES.

INTERNET DEPENDENCY

ACCESSING AND DOWNLOADING EBOOKS REQUIRES AN INTERNET CONNECTION, WHICH CAN BE A LIMITATION IN AREAS WITH POOR CONNECTIVITY.

FUTURE OF FREE EBOOK SITES

THE FUTURE LOOKS PROMISING FOR FREE EBOOK SITES AS TECHNOLOGY CONTINUES TO ADVANCE.

TECHNOLOGICAL ADVANCES

IMPROVEMENTS IN TECHNOLOGY WILL LIKELY MAKE ACCESSING AND READING EBOOKS EVEN MORE SEAMLESS AND ENJOYABLE.

EXPANDING ACCESS

EFFORTS TO EXPAND INTERNET ACCESS GLOBALLY WILL HELP MORE PEOPLE BENEFIT FROM FREE EBOOK SITES.

ROLE IN EDUCATION

AS EDUCATIONAL RESOURCES BECOME MORE DIGITIZED, FREE EBOOK SITES WILL PLAY AN INCREASINGLY VITAL ROLE IN LEARNING.

CONCLUSION

IN SUMMARY, FREE EBOOK SITES OFFER AN INCREDIBLE OPPORTUNITY TO ACCESS A WIDE RANGE OF BOOKS WITHOUT THE FINANCIAL BURDEN. THEY ARE INVALUABLE RESOURCES FOR READERS OF ALL AGES AND INTERESTS, PROVIDING EDUCATIONAL MATERIALS, ENTERTAINMENT, AND ACCESSIBILITY FEATURES. SO WHY NOT EXPLORE THESE SITES AND DISCOVER THE WEALTH OF KNOWLEDGE THEY OFFER?

FAQs

ARE FREE EBOOK SITES LEGAL? YES, MOST FREE EBOOK SITES ARE LEGAL. THEY TYPICALLY OFFER BOOKS THAT ARE IN THE PUBLIC DOMAIN OR HAVE THE RIGHTS TO DISTRIBUTE THEM. HOW DO I KNOW IF AN EBOOK SITE IS SAFE? STICK TO WELL-KNOWN AND REPUTABLE SITES LIKE PROJECT GUTENBERG, OPEN LIBRARY, AND GOOGLE BOOKS. CHECK REVIEWS AND ENSURE THE SITE HAS PROPER SECURITY MEASURES. CAN I DOWNLOAD EBOOKS TO ANY DEVICE? MOST FREE EBOOK SITES OFFER DOWNLOADS IN MULTIPLE FORMATS, MAKING THEM COMPATIBLE WITH VARIOUS DEVICES LIKE E-READERS, TABLETS, AND SMARTPHONES. DO FREE EBOOK SITES OFFER AUDIOBOOKS? MANY FREE EBOOK SITES OFFER AUDIOBOOKS, WHICH ARE PERFECT FOR THOSE WHO PREFER LISTENING TO THEIR BOOKS. HOW CAN I SUPPORT AUTHORS IF I USE FREE EBOOK SITES? YOU CAN SUPPORT AUTHORS BY PURCHASING THEIR BOOKS WHEN POSSIBLE, LEAVING REVIEWS, AND SHARING THEIR WORK WITH OTHERS.

