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1		**AWS Administration – The Definitive Guide** **Authors:** Wadia, Yohan Rohinton **Publication:** Packt Publishing, 2016 **Publication Type:** eBook **Subjects:** COMPUTERS / Distributed Systems / Cloud Computing; Cloud computing; Web services **Abstract:** About This BookLearn how to leverage various Amazon Web Services (AWS) components and services to build a secure, reliable, and robust environment to host your applications onDeep dive into the core AWS service offerings with hands-on tutorials, real-world use case scenarios, and best practicesA self-paced, systematic, and step-by-step guide to learning and implementing AWS in your own environmentWho This Book Is ForThis book is for those who want to learn and leverage AWS. Although no prior experience with AWS is required, it is recommended that you have some hands-on experience of Linux, web services, and basic networking.What You Will LearnGet a brief introduction to Cloud Computing and AWS accompanied... **Database:** eBook Academic Collection (EBSCOhost)
2		**AWS Administration - The Definitive Guide : Design, Build, and Manage Your Infrastructure on Amazon Web Services, 2nd Edition** **Authors:** Yohan Wadia **Publication:** Packt Publishing, 2018 **Publication Type:** eBook **Subjects:** COMPUTERS / Distributed Systems / Cloud Computing; COMPUTERS / System Administration / General; COMPUTERS / Internet / Web Services & APIs; Cloud computing **Abstract:** Leverage this step-by-step guide to build a highly secure, fault-tolerant, and scalable Cloud environment Key FeaturesLearn how to leverage various Amazon Web Services (AWS) components and services to build a secure, reliable, and robust environment to host your applications on.Delve into core AWS service offerings with hands-on tutorials, real-world use case scenarios, and best practices.A self-paced, systematic, and step-by-step guide to learning and

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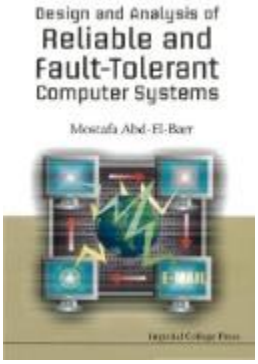
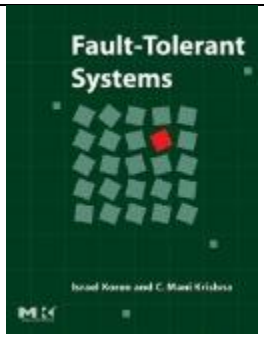
		implementing AWS in your own environment.Book DescriptionMany businesses are moving from traditional data centers to AWS because of its reliability, vast service offerings, lower costs, and high rate of innovation. AWS can be used to accomplish a variety of... **Database:** eBook Academic Collection (EBSCOhost)
3		Title: **Design And Analysis Of Reliable And Fault-tolerant Computer Systems** **Authors:** Mostafa I Abd-el-barr **Publication:** Imperial College Press, 2007 **Publication Type:** eBook **Subjects:** COMPUTERS / Computer Science; Computer architecture; Fault-tolerant computing; Computer systems--Reliability **Abstract:** Covering both the theoretical and practical aspects of fault-tolerant mobile systems, and fault tolerance and analysis, this book tackles the current issues of reliability-based optimization of computer networks, fault-tolerant mobile systems, and fault tolerance and reliability of high speed and hierarchical networks.The book is divided into six parts to facilitate coverage of the material by course instructors and computer systems professionals. The sequence of chapters in each part ensures the gradual coverage of issues from the basics to the most recent developments. A useful set of references, including electronic sources, is listed at the end of each chapter. **Database:** eBook Academic Collection (EBSCOhost)
4		**Fault-Tolerant Systems** **Authors:** Israel Koren; C. Mani Krishna **Publication:** Morgan Kaufmann, 2007 **Publication Type:** eBook **Subjects:** COMPUTERS / Computer Architecture; Fault-tolerant computing; Computer systems--Reliability **Abstract:** Fault-Tolerant Systems is the first book on fault tolerance design with a systems approach to both hardware and software. No other text on the market takes this approach, nor offers the comprehensive and up-to-date treatment that Koren and Krishna provide. This book incorporates case studies that highlight six different computer systems with fault-tolerance techniques implemented in their design. A complete ancillary

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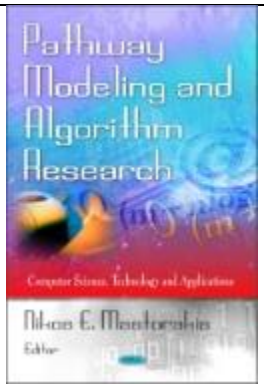
		package is available to lecturers, including online solutions manual for instructors and PowerPoint slides. Students, designers, and architects of high performance processors will value this comprehensive overview of the field.The first book on fault tolerance design with a systems... **Database:** eBook Academic Collection (EBSCOhost)
5		**Pathway Modeling and Algorithm Research** **Authors:** Mastorakis, Nikos E. **Publication:** Nova Science Publishers, Inc, 2011 **Publication Type:** eBook **Subjects:** COMPUTERS / Software Development & Engineering / General; COMPUTERS / Programming / Open Source; COMPUTERS / Software Development & Engineering / Tools; Fault-tolerant computing; Mobile computing; Algorithms **Abstract:** This book presents and discusses research in the study of computer science. Topics discussed include biological pathways; supervised learning approaches; pathway modeling; shortest path algorithms; clustering algorithms; inductive logic programming and computationally efficient approximation schemes for functional optimization. **Database:** eBook Academic Collection (EBSCOhost)
6		**Software Engineering Of Fault Tolerant Systems** **Authors:** Patrizio Pelliccione; Henry Muccini; Alexander Romanovsky; Nicolas Guelfi **Publication:** World Scientific, 2007 **Publication Type:** eBook **Subjects:** COMPUTERS / Software Development & Engineering / General; COMPUTERS / Computer Science; COMPUTERS / Software Development & Engineering / Systems Analysis & Design; Computer systems--Reliability; Fault-tolerant computing **Abstract:** In architecting dependable systems, what is required to improve the overall system robustness is fault tolerance. Many methods have been proposed to this end, the solutions are usually considered late during the design and implementation phases of the software life-cycle (e.g., Java and Windows NT exception handling), thus reducing the effectiveness error and fault handling. Since the system design typically models only normal behaviour of the system while ignoring exceptional

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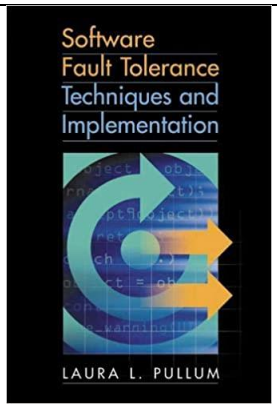
		ones, the implementation of the system is unable to handle abnormal events. Consequently, the system may fail in unexpected ways due to faults.It has been argued that fault tolerance management during the entire life-cycle improves... **Database:** eBook Academic Collection (EBSCOhost)
7		**Software Fault Tolerance Techniques and Implementation** **Authors:** Pullum, Laura L. **Publication:** Artech House, Inc, 2001 **Publication Type:** eBook **Subjects:** COMPUTERS / Software Development & Engineering / General; COMPUTERS / Programming / Open Source; COMPUTERS / Software Development & Engineering / Tools; Fault-tolerant computing; Computer software--Reliability **Abstract:** 'Artech House computer library'--Cover. **Database:** eBook Academic Collection (EBSCOhost)
8		**Technology Disaster Response and Recovery Planning : A LITA Guide** **Authors:** Mary Mallery **Publication:** ALA TechSource, 2015 **Publication Type:** eBook **Subjects:** LANGUAGE ARTS & DISCIPLINES / Library & Information Science / General; Emergency management--Planning; Data recovery (Computer science)--Planning; Library buildings--United States--Safety measures--Case studies; Data protection; Libraries--Information technology--Security measures--Planning; Library buildings--Safety measures--Planning; Library materials--Conservation and restoration--Planning; Electronic information resources--Management--Planning **Abstract:** The Mississippi River breaks high-water records across its Illinois and Iowa banks. Hurricane Sandy slams the New Jersey shore causing $36.8 billion in damage. Is your library ready? While disaster planning is part of most libraries strategic planning and budgeting process, too often the technology component is overlooked. Editor Mary Mallery has gathered experts with firs hand experience in planning and recovering from disasters. You will get advice on such topics as:7 key steps in risk assessment for digital collectionsHow to

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		use the time-saving dPlan- the Online Disaster Planning Tool for Cultural and Civic InstitutionsDesigning fault-tolerant systems in a cloud computing environment7 key components of... **Database:** eBook Academic Collection (EBSCOhost)
		Contents : Part 1: Creating the Technology Disaster Response and Recovery Plan ○ Chapter 1: What Could Go Wrong? Libraries, Technology, and Murphy's Law ○ Chapter 2: Inventory and Risk Assessment for Digital Collections ○ Chapter 3: Disaster Planning and Risk Management with dPlan ○ Chapter 4: Disaster Communication: Planning and Executing a Response ○ Chapter 5: Future Trends: Cloud Computing and Disaster Mitigation Part 2: Managing Techmageddon: Disaster Mitigation and Lessons Learned ○ Chapter 6: The University of Iowa and the Flood of 2008: A Case Study ○ Chapter 7: Digital Disaster Recovery and Resources in the Wake of Superstorm Sandy: A Case Study APPENDIXES ○ APPENDIX A: Disaster Communication Planning Template ○ APPENDIX B: Example of a Basic Disaster Communication Plan for a Public Library