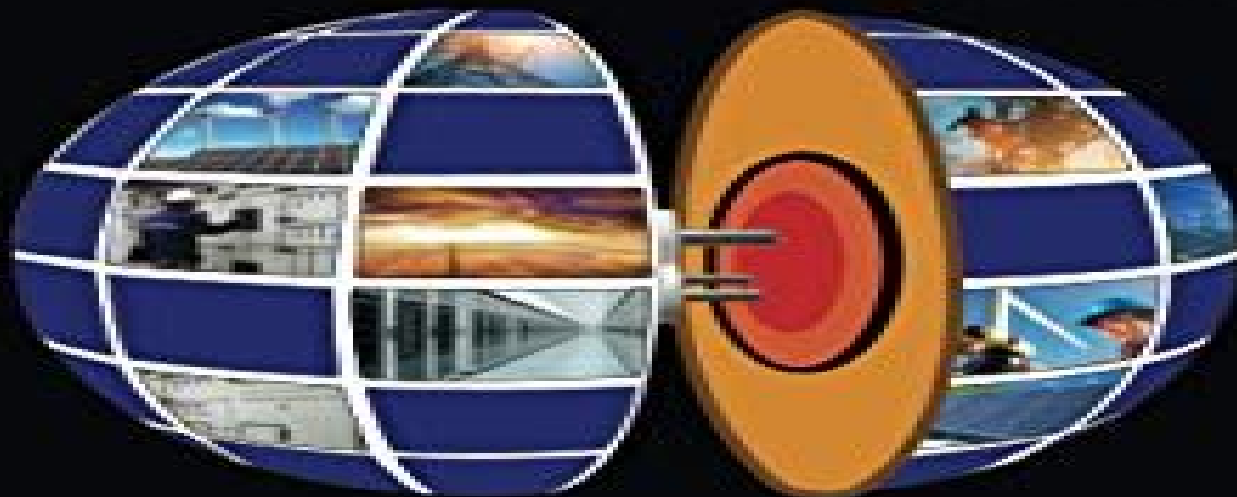




Maintaining Mission Critical Systems in a 24/7 Environment

Second Edition



PETER M. CURTIS

WILEY

IEEE PRESS



Mohamed E. El-Hawary, Series Editor

Maintaining Mission Critical Systems In A 24 7 Environment

Peter M. Curtis



Maintaining Mission Critical Systems In A 24 7 Environment:

Maintaining Mission Critical Systems in a 24/7 Environment Peter M. Curtis, 2021-02-17 The new edition of the leading single volume resource on designing operating and managing mission critical infrastructure Maintaining Mission Critical Systems in a 24 7 Environment provides in depth coverage of operating managing and maintaining power quality and emergency power systems in mission critical facilities This extensively revised third edition provides invaluable insight into the mission critical environment helping professionals and students alike understand how to sustain continuous functionality minimize the occurrence of costly unexpected downtime and guard against power disturbances that can damage any organization s daily operations Bridging engineering operations technology and training this comprehensive volume covers each component of specialized systems used in mission critical infrastructures worldwide Throughout the text readers are provided the up to date information necessary to design and analyze mission critical systems reduce risk comply with current policies and regulations and maintain an appropriate level of reliability based on a facility s risk tolerance Topics include safety fire protection energy security and the myriad challenges and issues facing industry engineers today Emphasizing business resiliency data center efficiency cyber security and green power technology this important volume Features new and updated content throughout including new chapters on energy security and on integrating cleaner and more efficient energy into mission critical applications Defines power quality terminology and explains the causes and effects of power disturbances Provides in depth explanations of each component of mission critical systems including standby generators raised access floors automatic transfer switches uninterruptible power supplies and data center cooling and fuel systems Contains in depth discussion of the evolution and future of the mission critical facilities industry Includes PowerPoint presentations with voiceovers and a digital video library of information relevant to the mission critical industry Maintaining Mission Critical Systems in a 24 7 Environment is a must read reference and training guide for architects property managers building engineers IT professionals data center personnel electrical mechanical technicians students and others involved with all types of mission critical equipment

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clients in banking defense utilities energy and education environments His recommendations for maintaining essential operations are based on firsthand experience of what works and what does not Most chapters in this text concentrate on an individual component of the mission critical system including standby generators automatic transfer switches uninterruptible power supplies and fuel fire and battery systems For each component the author sets forth applications available models design choices standard operating procedures emergency action plans maintenance procedures and applicable codes and standards Extensive use of photographs and diagrams illustrates how individual components and integrated systems work With the rapid growth of e commerce and 24 7 business operations mission critical systems have moved to the forefront of concerns among both private and public operations Facilities engineers senior administrators and business continuity professionals involved in information technology and data center design should consult this text regularly to ensure they have done everything they can to protect and sustain their operations to reduce human error equipment failures and other critical events Adapted from material the author has used in academic and professional training programs this guide is also an ideal desktop reference and textbook

Ace the IT Interview Paula Moreira, 2008-01-01 Proven strategies for getting hired as an IT professional This practical guide for developing winning interviewing skills has been fully updated and revised to focus on today's most sought after IT jobs Go behind the scenes of the IT interview process and get inside the mind of potential employers You'll find out how to make a great first impression and stand out from the competition Ace the IT Interview features hundreds of questions that are likely to come up on your next technical interview along with key points to include in your answers so you can practice your responses based on your strengths and experience Present yourself as a truly valuable IT professional and get a great job with help from this real world guide Understand the hiring manager's perspective Create a first rate resume that highlights your skills Get past gatekeepers and get the interviews you want Make a great first impression and stand out in the crowd Master sticky questions about your work history Prepare for different types of interview settings including telephone and video conference interviews Ask intelligent relevant questions Ace the interview follow up Evaluate your offers negotiate salary and close the deal

A Methodology for Client/server and Web Application Development Roger Fournier, 1999 Bring discipline and power to all your Web C S projects Roger Fournier's A Methodology for Client Server and Web Application Development shows you how to impose needed discipline on even the most complex Web and client server development projects Fournier's start to finish methodology walks you step by step through every phase survey analysis design construction implementation and beyond Master powerful techniques for delivering finished software faster including iterative incremental development prototyping timeboxing and joint facilitated user sessions With extensive examples checklists and worksheets Fournier demonstrates how to Build an enterprise architecture with true scalability and flexibility Leverage object oriented programming techniques to the fullest Establish an effective testing process Promote reusability with DCOM ActiveX™ CORBA and JavaBeans™ components Implement

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Johnson,1996 **Government Executive** ,2005 Joyce in the Belly of the Big Truck; Workbook Joyce A. Cascio,2005-05 CIO. ,2005 *Building a Data Warehouse for Decision Support* Vidette Poe,Patricia Klauer,Stephen Brobst,1998

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Database Management **Mission Critical** Joseph C. Picken,Gregory G. Dess,1997 Warns business leaders about common strategic pitfalls and explains how to avoid them Chapters on seven strategic traps introduce each problem with a case history and illustrate ways to deal with the competitive environment make correct assumptions identify sources of sustainable competitive advantage and integrate key activities across organizational boundaries Includes chapter strategic inventory questions and numerous checklists Annotation copyright by Book News Inc Portland OR

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