Cumulative Book Index

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

OpenVMS Alpha Internals: Scheduling and Process Control

OpenVMS Alpha Internals and Data Structures: Memory Management is an update to selected parts of the book OpenVMS AXP Internals and Data Structures Version 1.5 (Digital Press, 1994). This book covers the extensions to the memory management subsystem of OpenVMS Alpha to allow the operating system and applications to access 64 bits of address space. It emphasizes system data structures and their manipulation by paging and swapping routines and related system services. It also describes management of dynamic memory, such as nonpaged pool, and support for nonuniform memory access (NUMA) platforms. This book is intended for systems programmers, technical consultants, application designers, and other computer progressions interested in learning the details of the OpenVMS executive. Teachers and students of
graduate and advanced undergraduate courses in operating systems will find this book a valuable study in how theory and practice are resolved in a complex commercial operating system. THE definitive reference describing how the OpenVMS kernel works Written by a top authority on OpenVMS systems Covers the latest version of OpenVMS

**Alpha Architecture Reference Manual**

CIO magazine, launched in 1987, provides business technology leaders with award-winning analysis and insight on information technology trends and a keen understanding of IT’s role in achieving business goals.

**Getting Started with OpenVMS System Management**

A world list of books in the English language.

**Network World**

This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the IBM System Storage® DS8700 storage subsystem. This book has reference information that will help you plan for, install, and configure the DS8700 and also discusses the architecture and components. The DS8700 is the most advanced
model in the IBM System Storage DS8000® series. It includes IBM POWER6®-based controllers, with a dual 2-way or dual 4-way processor complex implementation. Its extended connectivity, with up to 128 Fibre Channel/FICON® ports for host connections, make it suitable for multiple server environments in both open systems and IBM System z® environments. If desired, the DS8700 can be integrated in an LDAP infrastructure. The DS8700 supports thin provisioning. Depending on your specific needs, the DS8700 storage subsystem can be equipped with SATA drives, FC drives, and Solid® State Drives (SSDs). The DS8700 can now automatically optimize the use of SSD drives through its no charge Easy Tier feature. The DS8700 also supports Full Disk Encryption (FDE) feature. Its switched Fibre Channel architecture, dual processor complex implementation, high availability design, and the advanced Point-in-Time Copy and Remote Mirror and Copy functions that incorporates make the DS8700 storage subsystem suitable for mission-critical business functions.

Data Sources

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OpenVMS Alpha Internals and Data Structures

Alpha Architecture Reference Manual

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

IBM System Storage DS8700 Architecture and Implementation

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.
Fifth European Particle Accelerator Conference

System administrators and technical professionals will be able to understand and master the most critical part of Tru64 UNIX by using this easy-to-understand guide written by a file systems expert. This book also explains how to deploy Compaq's TruCluster clustering technology.

Whitaker's Books in Print

Alpha Architecture Reference Manual, Third Edition is the authoritative reference on the definition of Alpha architecture. Revised by the Alpha Architecture Committee, this book contains a complete description of the common architecture required of all implementations and describes the interfaces to support the Windows NT, Digital UNIX, and OpenVMS operating systems. The third edition reflects the latest implementations of the architecture, including the 21164A, 21164PC, and 21264. Some of the extensions to the architecture and the enhancement to the technical content include: new byte and word load, store and sign-extend operations; new multimedia instructions; new population enumeration and floating-point square root instructions; new instructions to improve data cache efficiency and updated Windows NT section. The Alpha chip is the fastest chip on the marketplace today. It runs Windows NT, UNIX and OpenVMS operating systems. New base-level server configurations provide four times the memory...
of current systems. Contains updated Windows NT section to reflect current technical port to Alpha Includes new insights into the software aspects of the implementation Covers new multimedia instructions for increased performance with high-end graphics applications

NASA Tech Briefs

OpenVMS System Management Guide, Second Edition, the most complete book on the topic, details for system administrators the tools, technologies, and techniques by which they can configure, maintain, and tune computers running Hewlett-Packard's high-performance OpenVMS operating system. Revised by a topical authority and a principal OpenVMS engineer, the book enables system administrators to perform more efficiently and effectively those everyday tasks critical to an OpenVMS system. Examples have been updated to include OpenVMS/VAX 7.3 and OpenVMS/Alpha 7.3-1. OpenVMS administration best practices and utilities System management strategies that support business objectives Updated references to latest HP documents and other WWW resources New chapter summarizing software installation New appendix to help the hobbyist get started

Computerworld
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This outstanding new book describes the internals and data structures of the OpenVMS AXP operating system 1.5 in vivid detail. Perhaps the most up-to-date description available for a commercial operating system, OpenVMS AXP Internals and Data Structures is an irreplaceable reference for operating system development engineers, operating system troubleshooting experts, systems programmers, consultants and customer support specialists. This book is essential for those interested in learning how OpenVMS AXP runs on the Alpha AXP family of processors. This information is equally applicable to the internals of any modern-day symmetric multi-processing operating system running on a RISC computer. Provides a detailed treatment of the key architectural features of Alpha AXP systems Explores concepts which are equally applicable to the Alpha AXP family of processors and the internals of any modern-day symmetric multi-processing operating system running on a RISC computer Devotes each of the 39 chapters to explaining its topics in case study format
Getting Started with OpenVMS System Management gives new VMS system managers a jumpstart in managing this powerful and reliable operating system. Dave Miller describes the essentials of what an OpenVMS System Manager will have to manage. He defines areas of OpenVMS System Management and describes why each is important and how it fits into the larger management task. Even though some OpenVMS management concepts are unique (for instance quotas), many concepts (such as account creation) have counterparts in UNIX and Windows NT. So, wherever possible, Miller points out to his readers the parallel to other systems. The book is intended as a precursor to Baldwin’s OpenVMS System Management Guide and various OpenVMS documents. Thus it refers the reader to other books for the detailed management steps.
Getting Started with OpenVMS System Management is a great introduction to the material Steve Hoffman and Dave Miller are revising for the OpenVMS System Management Guide, 2E. · Permits experienced system managers to begin managing OpenVMS more quickly · Dovetails with other Digital Press publications for easier reference by the OpenVMS manager · Points you in the right direction for the complete documentation on each issue · BONUS FEATURE! Includes excerpts from five key DP OpenVMS books

Alpha RISC Architecture for Programmers

Network World

Discusses various invited papers including accelerators and storage rings, beam dynamics and electro-magnetic fields, and subsystems, technology and components. This volume also includes poster presentations of high-energy hadron accelerators and colliders.

Operating Systems DeMYSTiFieD
Forthcoming Books

Learn what happens behind the scenes of operating systems Find out how operating systems work, including Windows, Mac OS X, and Linux. Operating Systems Demystified describes the features common to most of today's popular operating systems and how they handle complex tasks. Written in a step-by-step format, this practical guide begins with an overview of what operating systems are and how they are designed. The book then offers in-depth coverage of the boot process; CPU management; deadlocks; memory, disk, and file management; network operating systems; and the essentials of system security. Detailed examples and concise explanations make it easy to understand even the technical material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn about: Fundamentals of operating system design Differences between menu- and command-driven user interfaces CPU scheduling and deadlocks Management of RAM and virtual memory Device management for hard drives, CDs, DVDs, and Blu-ray drives Networking basics, including wireless LANs and virtual private networks Key concepts of computer and data security Simple enough for a beginner, but challenging enough for an advanced student, Operating Systems Demystified helps you learn the essential elements of OS design and everyday use.

OpenVMS AXP Internals and Data Structures
Alpha AXP Architecture Reference Manual, Second Edition describes the required behavior of all Alpha implementations, as seen by the machine-language programmer. This book discusses Alpha single-board computers, which have been introduced to cover the high-end embedded controller market. Organized into five parts, this edition begins with an overview of the instruction-set architecture. This text then describes the supporting PALcode routines for three operating systems. Other parts consider a particular console implementation that is specific to platforms that support the OpenVMS AXP or DEC OSF/1 operating systems. This book discusses as well the specific operating system PALcode architecture. The final part provides a discussion of console issues for Windows NT with its PALcode description. This book is a valuable resource for machine-language programmers.

Computerworld

UNDERSTANDING OPERATING SYSTEMS provides a basic understanding of operating systems theory, a comparison of the major operating systems in use, and a description of the technical and operational tradeoffs inherent in each. The effective two-part organization covers the theory of operating systems, their historical roots, and their
conceptual basis (which does not change substantially), culminating with how these theories are applied in the specifics of five operating systems (which evolve constantly). The authors explain this technical subject in a not-so-technical manner, providing enough detail to illustrate the complexities of stand-alone and networked operating systems. UNDERSTANDING OPERATING SYSTEMS is written in a clear, conversational style with concrete examples and illustrations that readers easily grasp.

Writing OpenVMS Alpha Device Drivers in C

Books in Print

This is the first volume of a series that will update the book OpenVMS AXP and Data Structures Version 1.5. This volume covers the new scheduling model in Open VMS Alpha Version 7.0, which includes executive support for multithreading. It also discusses the life of a process, from creation to deletion. The series is the most comprehensive and detailed description available of any commercial operating system. It is intended for systems programmers, technical consultants, application designers, and other computer professionals interested in learning the details of the OpenVMS Executive. Teachers and students of graduate and advanced undergraduate courses in operating systems will also find this series a valuable study in how theory and practise
are resolved in a complex commercial operating system.

**Handbook of Information Security, Information Warfare, Social, Legal, and International Issues and Security Foundations**

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**OpenVMS System Management Guide**

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

**CIO**

For users of the Digital UNIX (formerly DEC OSF/1) operating system, as well as for
systems engineers interested in writing UNIX-based device drivers. Discusses how to write device drivers for computer systems running the Digital UNIX operating system. In addition, the volume provides information on designing drivers, UNIX-based data structures, and OSF-based kernel interfaces. Annotation copyright by Book News, Inc., Portland, OR

The Proceedings of the Annual Health Care Information & Management Systems Conference

A comprehensive reference and guide book to the world’s #1 64-bit processor, Alpha from Digital Equipment Corporation. The book explains the motivation and rationale for the Alpha architecture, and how to use its instruction set to solve real problems.

Writing Device Drivers

This book contains two parts--a Developer’s Guide on how to write the software for the device driver and AXP (Alpha) processor and how to load the driver into the Open VMS AXP operating system. The Reference Manual section of the book describes the data structures, macros, and routines used in OpenVMS AXP device driver programming.

Understanding Operating Systems
For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

THE Journal

The Art of Technical Documentation, Second Edition, shows how to apply analytical thought to gather, dissect, and understand technical information and how to organize and present it for the reader of print and on-line material. This book has been completely updated to include new information on documentation design and development, indexing, technical editing, help systems, Web presentation, use of color, animation graphics, SGML, and HTML. The Art of Technical Documentation, Second Edition also covers issues such as working in teams with graphic designers and production departments. Questions are provided at the back of each chapter for use in the classroom. Practical approach applies principles of technical writing to the workplace Revised to include information on preparing on-line work, including using graphics for Web display and designing for on-line help Includes information on creating complete information sets, containing both hard copy and on-line documentation
The Art of Technical Documentation

Computerworld

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Microsoft Exchange Server 5.5: Planning, Design and Implementation describes the best practices used during the planning, design, and implementation phases of projects to deploy Microsoft Exchange Server. It incorporates the author's general expertise gained from 16 years working with corporate messaging systems as well as experience gained from enterprise-level projects around the world, including Digital's own deployment of 55,000 Exchange clients across 160 servers. The new functionality of Exchange V5.5 is covered, but the real values lies in the pragmatic and practical attitude taken to solving the problems posed by large-scale implementations of any messaging system. This book shows system designers, implementation teams, and e-mail
administrators what Exchange V5.5 is capable of and where it needs human assistance to succeed. Covers Exchange 5.5 SP1 and advanced security and message journaling. Describes best practice used during the planning, design and implementation phases of deploying Microsoft Exchange Server. Foreword by Elaine K. Sharp, Worldwide Messaging Server Product Manager, Microsoft Corporation, March 1992 to October 1996.

Journal of Object-oriented Programming

Digital Technical Journal of Digital Equipment Corporation

This is the authoritative reference on Digital Equipment Corporation's new 64-bit RISC Alpha architecture. Written by the designers of the internal Digital specifications, this book contains complete descriptions of the common architecture required for all implementations and the interfaces required to support the OSF/1 and OpenVMS operating systems.

The British National Bibliography
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