Distributed Object Management

The Enigmatic Realm of **Distributed Object Management**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Distributed Object Management** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

Distributed object management technology Manola. Frank A. 1988
Colloquium on "Distributed Object Management" Institution of Electrical Engineers (Great Britain). Computing and Control Division 1994
Transaction Management and Recovery in a Distributed Object- Oriented Database System Gopalan Arun 1992
DOA'01 Gordon Blair 2001 Fundamentals of distributed object systems and their use to solve problems in industrial applications are the focus of these papers from a September 2001 symposium. Contributors include researchers who provide technical and theoretical solutions, practitioners who show how distributed object systems are used to solve real world problems, and users who are interested in understanding how distributed object technology can be exploited in their application domains. Themes are support for mobility, monitoring, and management, meta-data services, enterprise architectures/workflow, reflection and reconfiguration, multimedia, and fault-tolerance. Some subjects include transparent dissemination of adaptors in Jini, a collaborative word processing system using a CORBA-based workflow framework, and developing mobile agent organizations. Lacks a subject index. Annotation c. Book News, Inc., Portland, OR (booknews.com).
Distributed Object-oriented Data-systems Design Prabhat K. Andleigh 1992 This guide deals with the design and implementation of advanced information systems. It covers object-oriented data management systems, distributed environments, and advanced user interfaces i.e. those integrating text, pictures, video and sound. This book also focuses on migration issues involved in going from relational database management systems to object-oriented database management issues, and discusses the advantages/disadvantages of both types of systems. The authors have developed a unique Frame-Object Analysis Methodology for advanced modelling. It also shows the reader what constitutes an advanced distributed information system and how to design and implement one. The handbook will benefit database analysts, database administrators, programmers and members of technical staff interested in data models. Andeleigh is the author of UNIX SYSTEM ARCHITECTURE.
Implementation of a Distributed Object-oriented Database Management System Lynn A. Wyrick 1989 Distributed database management systems provide for more flexible and efficient processing. Research in object-oriented database management systems is revealing an abundance of additional benefits that cannot be provided by more traditional database management systems. The Naval Military Personnel Command (NMPC) is used as a case study to evaluate the requirements of transitioning from a centralized to a distributed database management system. Features and characteristics of both distributed and object-

oriented database management systems are used to determine the appropriate configuration for different application environments. The distributed and object-oriented concepts are evaluated in detail in order to allow an organization to appropriately select the type of system to meet their needs. Transition requirements for NMPC, in particular, are identified and a suggested plan of action is presented. Keywords: Theses, Database implementation, Database design, Distributed architecture, KBSA(Knowledge Base Software Assistant). (kr).

Distributed Object Management, IEE Colloquium on 1994

A functional/relational object-oriented model for distributed object management preliminary description Frank A. Manola 1990

Object model capabilities for distributed object management Frank A. Manola 1989

IEE Colloquium on Distributed Object Management 1994

Managing Distributed Databases Donald K. Burleson 1994 This book arms developers and system managers with battle-tested strategies and techniques for ensuring that distributed data is available to all clients in a distributed client/server environment.

Integrating Existing Object Oriented Databases with Distributed Object Management Platforms Sergey Shumilov 2003

Object Management in Distributed Database Systems for Stationary and Mobile Computing Environments Wujuan Lin 2013-11-21 N etwork-based computing domain unifies all best research efforts presented from single computer systems to networked systems to render overwhelming computational power for several modern day applications. Although this power is expected to grow with respect to time due to tech nological advancements, application requirements impose a continuous thrust on network utilization and on the resources to deliver supreme quality of service. Strictly speaking, network-based computing dornain has no confined scope and each element offers considerable challenges. Any modern day networked application strongly thrives on efficient data storage and management system, which is essentially a Database System. There have been nurnber of books-to-date in this domain that discuss fundamental principles of designing a database systern. Research in this dornain is now far matured and rnany researchers are venturing in this dornain continuously due to a wide variety of challenges posed. In this book, our dornain of interest is in exposing the underlying key challenges in designing algorithms to handle unpredictable requests that arrive at a Distributed Database System(DDBS) and evaluating their performance. These requests are otherwise called as on-line requests arriving at a system to process. Transactions in an on-line Banking service, Airline Reservation systern, Video-on-Demand systern, etc, are few examples of on-line requests.

Computing and Control Division Colloquium on "Distributed Object Management" 1994

Object Management Architecture Guide Object Management Group 1995-08-30 The Object Management Architecture Guide explains the Object Management Architecture--what it is and how it will be implemented. It also provides a complete overview of the Object Management Group and its mission, and explains what OMG's role is in making OMA a reality. The OMA Guide contains descriptions of OMG's central design guidelines, the Object Model and Reference Model, and demonstrates how OMG uses them to create a distributed object computing environment. It explains OMG's technical objectives and the process by which they are achieved. The Guide also provides information on how OMG works to achieve consensus in creating an open distributed object environment, and how you can participate in that process.

The Essential CORBA Thomas J. Mowbray 1995 Explains the rationale, object-oriented principles and engineering strategies in order to design, utilize and establish a successful CORBA-based structure. Demonstrates how the technology can readily accommodate heterogeneous combinations of platforms, R&D prototypes as well as legacy and commercial software. Describes how these techniques and tactics are effective within organizations and across federated communities of software suppliers and consumers.

Fundamentals of Distributed Object Systems Zahir Tari 2004-04-07 Distributed Object Computing teaches readers the fundamentals of CORBA, the leading architecture for design of software used in parallel

and distributed computing applications. Since CORBA is based on open standards, it is the only effective way to learn object-oriented programming for distributed systems. This language independent book allows material to be taught using Java, C++ or other Object Oriented Programming Languages.

An Approach to Building a Secure and Persistent Distributed Object Management System Yu Kin Ho 1996

Distributed Object Technology for Network Management Robert A. Mason 1996

Colloquium on "Distributed Object Management" 2000

Distributed/parallel Database Object Management 1994

Colloquium on Distributed Object Management 1994

Pre-proceedings of the International Workshop on Distributed Object Management M. Tamer Özsu 1992

Inside CORBA Thomas J. Mowbray 1997 "This book breaks the mold...by taking the reader through the entire spectrum of the distributed object approach, from requirements analysis through systems development, with a thorough treatment of relevant standards." -Dr. Richard M. Soley, Technical Director, Object Management Group Inside CORBA is a comprehensive and authoritative guide to distributed object architecture, software development, and CORBA (Common Object Request Broker Architecture) standards. CORBA is a consensus standard from industry that has transformed the way information systems are developed, both for creating distributed object-oriented systems and for migrating legacy systems to modern architecture. This must-read for all managers, architects, and developers of distributed systems begins by addressing the key organizational challenges to the adoption of CORBA and the essential management guidance necessary to ensure its success. Following this introduction, the authors present a user guide to the CORBA standards, complete with examples of their application. The user guide also features in-depth coverage of the Interface Definition Language (IDL), including the latest presentation of the new CORBA IDL Language Mapping for Java, and comprehensive information on the CORBA 2 standard and the CORBAservices. In addition, this book provides invaluable technical assistance on the application of CORBA by sharing essential lessons learned from experienced CORBA managers and architects and through the presentation of a case study. 0201895404B04062001

Object Management in Local Distributed Systems Songnian Zhou 1985 Resource management is a central issue in operating systems design; it is even more critical in distributed systems, because of the physical distribution of the resources, and thus the natural redundancy and the possibility of partial failures. In this paper, we study the resource management and sharing problems in distributed systems. After setting up a model for resource management that enables us to study and compare the different approaches, we survey the existing distributed systems and at tempt to taxonomize the research results so far. Based on this investigation, we propose a new approach to resource management, which we call global object management. A logically centralized system-wide manager acts as a coordinator between different par ts of the system, and is responsible for managing the top level, sharable resources in the distributed environment and making them available to the users. We argue that this approach greatly enhances system resource sharing by combining the semantic simpl icity of centralized management and the reliability and availability of distributed management, and offers a number of advantages over the existing techniques.

Distributed Object Management 1994

Access Control Management in Distributed Object Systems Gerald Brose 2001

Distributed Object Management Gail Mitchell 1996

Principles of Distributed Database Systems M. Tamer Ozsu 2016-05-01 This, the third edition of the classic textbook explores fundamental theory as well as practical techniques and algorithms, and features fresh chapters on aspects such as database replication and integration as well as emerging topics such as cloud computing.

Distributed Object-Oriented Architectures: Sockets, Java RMI and CORBA Josef Stepisnik 2006-02-10 Inhaltsangabe:Abstract: Distributed computing is playing an increasingly important role in many areas of

industry, the sciences, in business processes and in the development of new and emerging technologies. It facilitates inter-process communication across heterogeneous networks, hardware platforms and operating systems. We compare four distributed and object-oriented architectures: Sockets in Java 2, Sockets in Berkeley Unix, Remote Method Invocation in Java - RMI - and the Common Object Request Broker Architecture - CORBA - of the Object Management Group consortium. We provide a survey of each of the distributed architectures including its constituting components. To present the architectures in a practical context, we amend each survey with a corresponding application framework. We conclude with a comparative study of the Socket APIs in Java 2 and in Berkeley UNIX and the distributed object models of Java RMI and CORBA. Although the distributed object model as defined by CORBA represents an adopted industry standard, Java RMI has features unattainable by CORBA. The first part of the discussion offers a comprehensive overview of the Socket architecture in Java 2 and Berkeley UNIX and the distributed object model of Java Remote Method Invocation and the Common Object Request Broker Architecture. The second part concludes the discussion with a comparative study of selected features with emphasis on the Common Object Request Broker Architecture and Java Remote Method Invocation. Chapter 1 - The TCP/IP Protocol Suite: We provide an introductory overview of the TCP/IP protocol suite and its architecture including layers and protocols. The TCP/IP architecture is based on three concepts: processes, layers and protocols. There is no official protocol model as compared to the OSI proposal. We can however devise a logical structure of the TCP/IP protocol suit based on the associated protocols and their relationships. The chapter concludes with a brief discussion of Internet-related organizations and standards. Chapter 2 - Sockets in Berkeley Unix: We present the Berkeley UNIX socket architecture in relation to the Internet communication domain and illustrate connection-oriented and connectionless models of communication. The socket architecture forms the basis for the development of distributed applications. A socket represents an endpoint of communication for connectionless or connection-oriented protocols. A socket address data structure [...]

Object Management in Distributed Object Oriented Databases Jens Toft Pedersen 1992

Distributed Object Management in a Non-small Graph of Autonomous Networks with Few Failures Peter William Dickman 1991

Distributed Object Management M. Tamer Özsu 1994 This book presents the most current information on distributed object management; a synthesis between systems and object orientation. It will be of interest to researchers in the field.

Object Management Architecture Guide Object Management Group 1993-10-01 Contains important definitions and terminology; discusses standardization procedures; and presents a general perspective of object technology and background on the reference model structure. Provides insight into new proposals and specifications adoption including object-oriented databases, class libraries, distributed applications and distribution services.

Distributed and Parallel Database Object Management Elisa Bertino 2012-12-06 Distributed and Parallel Database Object Management brings together in one place important contributions and state-of-the-art research results in this rapidly advancing area of computer science. Distributed and Parallel Database Object Management serves as an excellent reference, providing insights into some of the most important issues in the field.

Distributed Object Management in Raven Marcel Sutanto 1989

The CORBA Reference Guide Alan Pope 1998 Serving as a tutorial, guidebook and reference all in one, this text offers a clear explanation of CORBA and provides a complete reference to the standard. More importantly, it shows how to use the standard for distribution applications development, with numerous extensive case studies and examples illustrating how to put CORBA to work.

A Hybrid Representation of Vague Collections for Distributed Object Management Systems Oliver Haase 1998

Object Management on Distributed Systems Robert H. Halstead 1978

Engineering Distributed Objects Wolfgang Emmerich 2003-06-29 This book constitutes the thoroughly refereed post-proceedings of the Second International Workshop on Engineering Distributed Objects, EDO 2000, held in November 2000 in Davis, California, USA.The 15 revised full papers presented together with session surveys were carefully reviewed and selected from 30 submissions. The book presents topical sections on middleware selection, resource management, architectural reasoning, distributed communication, advanced transactions, and service integration.

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