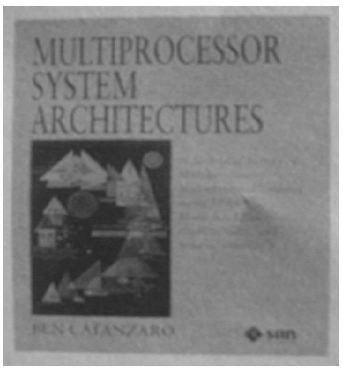
Two Recently Published Books from SunSoft Press

Multiprocessor System Architecture



by Ben Catanzatro
$42 U.S. (suggested list)
550 pages
PTR Prentice Hall
ISBN 013-089137-1

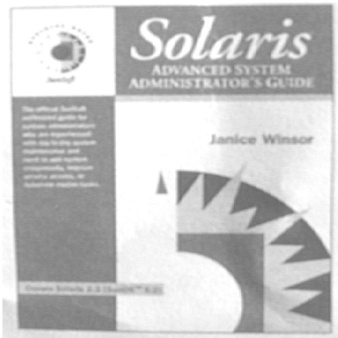
This technical survey of multiprocessor/multithreaded systems using SPARC, multi-level bus architectures, and the Solaris operating environment provides a detailed description of the elements needed for the design and development of multiprocessor systems. It includes new technology that integrates packet-switched buses and multithreading techniques in the implementation of multiprocessor systems.

Multiprocessor System Architectures can serve as a reference text for design engineers as well as a hands-on design guide to multiprocessor systems. It provides both hardware and software engineers with a coherent understanding of the problems and solutions to multiprocessor system design.

Topics covered include:

- Design considerations associated with multiprocessor systems with practical solutions.
- An in-depth study on the Scalable Processor ARChitecture (SPARC) detailing the various SPARC implementations.
- Various multi-level bus architectures including MBus (a processor-level interconnect bus) and XBus/XDBus® (packet-switched buses).
- The use of the SPARC MPSAS Behavioral Simulator to model SPARC multiprocessor systems with many design examples.
- Components of the Solaris/SunOS multithreaded architecture such as threads, lightweight processes, synchronization, scheduling, preemption, real-time facilities, and programming.
- Examination of several multiprocessor system implementations by highlighting tightly-coupled, shared-memory model architectures using multi-level bus implementations such as MBus and XDBus.
- MBus Interface Specification and Design Guide.

Solaris Advanced System Administrator's Guide



by Janice Winsor
$29.95 U.S. (suggested list)
475 pages
Ziff-Davis Press
ISBN 1-56276-131-5

This companion volume to the *Solaris System Administrator's Guide* covers more advanced Solaris 2 system administration tasks in the same practical, step-by-step, task-oriented style for which the first book was applauded. It is ideal for system administrators who are experienced with day-to-day system maintenance and who need to add system components, improve service access, or automate routine tasks.

Topics covered include:

- Setting up a mail service or revising an existing one.
- Understanding the NIS+™ naming service environment and adding a client system in an existing NIS+ environment.
- Planning for automounting service and administering the automounter configuration files.
- Using the Service Access Facility (SAF) to set up access to printers, modems, and terminals.
- Installing and making available third-party application software.
- Writing shell scripts to automate routine tasks.

Also included are appendices on Solaris 2.2 Volume Management and Solaris 2.3 Serial Port Manager. A glossary of system administration terms completes this volume.

How to Order

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