Configuring And Tuning Databases On The Solaris Platform

Configuring & Tuning Databases on the SOLARIS™ Platform

- Tuning guidelines for Oracle, DB2, Sybase, and Informix
- Best practices for system sizing, CPU and memory configuration, and optimizing data layout
- Troubleshooting techniques for solving performance bottlenecks

Allan N. Packer

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Synopsis


Book Information

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Customer Reviews

Don’t be deceived by the title. Although this gem focuses on Sun’s Solaris operating system, which is a widely used flavor of Unix, much of it is applicable to AIX, HP-UX, Linux, etc. Packer’s
considerable breadth and depth of knowledge and experience show on every page. He shares a
discipline with his readers that enables them to configure and tune their databases and operating
systems. A sampling of headers illustrates the broad, ambitious scope of the book. Topics include
SMP, NUMA, Clusters, tuning the buffer cache, database optimizers, OLTP, DSS, memory
management, logical and physical storage, system sizing and capacity planning, high availability,
performance troubleshooting, measurement tools and analysis, database and system tuning
guidance, scalability, strengths and weaknesses of the TPC benchmarks, etc. Packer successfully
covers his material by focusing attention on what he has found to work and has a significant
performance impact. Many of these are found in rules of thumb that are generously sprinkled
throughout the book. Packer shares a layered approach to a complex subject. He builds an
architectural foundation (operating system fundamentals and RDBMS internals). His database
discussion is limited to Oracle, DB2, Sybase, and Informix. If one uses another product, his
discussion should highlight architectural areas that should be understood by system administrators
or database administrators (who all too frequently understand their domain but not the other’s). The
same level of product understanding is necessary to configure and tune other products for
performance. Packer builds on a architectural foundation with metrics and analysis. He presents a
methodology that is pragmatic and efficient.

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