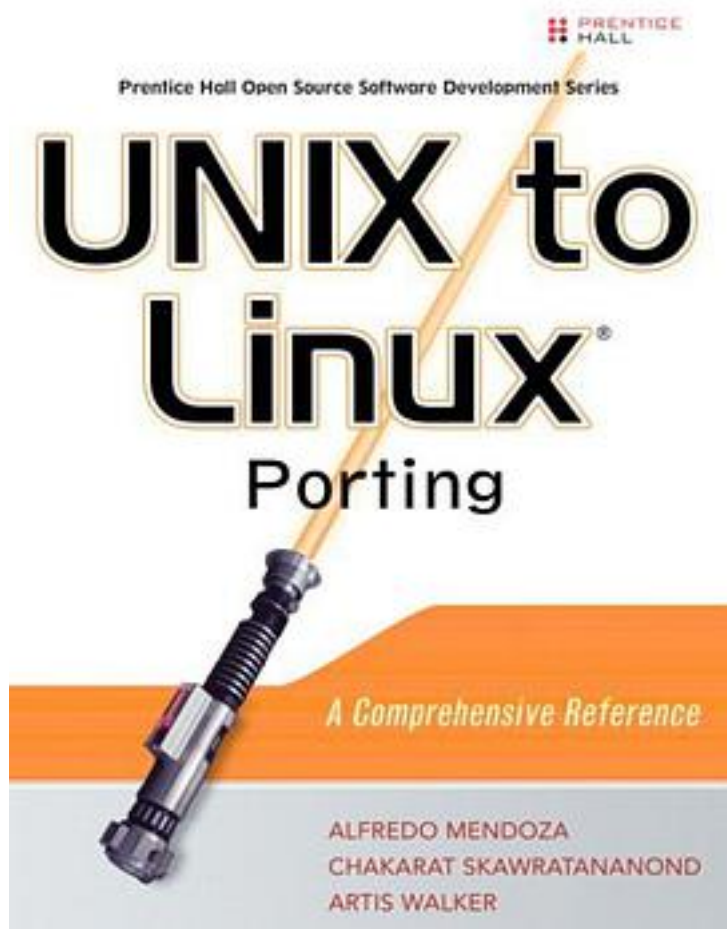# Unix to Linux Porting

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Port Your UNIX(R) Applications to Linux(R)--Quickly, Efficiently, and Reliably
Increasingly, developers, architects, and project managers face the challenge of
porting their C, C++, and Java applications from UNIX(R) to Linux(R) environments.

Now, there's a definitive, start-to-finish guide to porting applications from today's most widely used UNIX platforms: Solaris , HP-UX, and AIX(R). Three of IBM's most-experienced Linux porting specialists lead you through your entire project: scoping, analysis, recoding, and testing. They present a start-to-finish porting methodology, realistic discussions of key porting tasks, and a questionnaire for assessing the work involved in any new project. You'll discover what Linux offers in terms of APIs, library functions, versioning, system features, and tools--and the implications for your project. Next, the authors address each individual UNIX(R) platform in detail, identifying specific porting challenges and best-practice solutions.Coverage includes * Understanding the Linux environment: GNU binutils, Java environments, shells, packaging options, and more * Uncovering and addressing project unknowns, variables, and other risks * Handling specific platform differences: standards, compilers, linkers, versioning, system/library calls, threads, and more * Testing and debugging ported applications using the GNU debugger and Linux memory leak and performance tracing tools * Contains quick references to UNIX(R) and Linux APIs, compilers, and linker options, and a discussion of porting issues unique to IBM's POWER architecture Whether you need a start-to-finish guide or a concise reference, you'll find this book an indispensable resource for all your UNIX(R)-to-Linux porting projects.

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