Principles of Case Tool Integration, Alan W. Brown, Oxford University Press, Incorporated, 1994, 0195094786, 9780195094787, 271 pages. Computer Aided Software Engineering (CASE) tools typically support individual users in the automation of a set of tasks within a software development process. Such tools have helped organizations in their efforts to develop better software within budget and time constraints. However, many organizations are failing to take full advantage of CASE technology as they struggle to make coordinated use of collections of tools, often obtained at different times from different vendors. This book provides an in-depth analysis of the CASE tool integration problem, and describes practical approaches that can be used with current CASE technology to help your organization take greater advantage of integrated CASE.

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Principles of CASE Tool Integration describes a set of concepts, models, and guidelines for understanding CASE (computer-aided software engineering) tool integration and provides in-depth analysis of the CASE tool integration problem. Individual CASE tools typically support a small set of tasks within a software development process. They do not provide coordinated support across a full range of life-cycle tasks.

Principles of CASE Tool Integration was created to assist those organizations that are struggling to coordinate the use of collections of tools and, as a result, are not taking full advantage of CASE technology. The book provides insights on how to select tools that can work together, provides a way to understand different technologies and strategies for CASE tool integration, and offers practical advice on how to use current integration technologies effectively. The book contains lessons learned from SEI experiments with CASE tool integration, as well as lessons learned from industrial organizations that have tried to integrate CASE tools. After reading Principles of CASE Tool Integration, software managers and engineers will be able to use the book as a guide to help with defining and evolving a realistic CASE tool integration strategy. They will be able to express their own CASE tool integration approach in a way that reveals strengths and weaknesses and avoid fundamental traps and potholes that many other CASE tool integrators have endured.

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Computer Aided Software Engineering (CASE) tools typically support individual users in the automation of a set of tasks within a software development process. Such tools have helped organizations in their efforts to develop better software within budget and time constraints. However, many organizations are failing to take full advantage of CASE technology as they struggle to make coordinated use of collections of tools, often obtained at different times from different vendors. This book provides an in-depth analysis of the CASE tool integration problem, and describes practical approaches that can be used with current CASE technology to help your organization take greater advantage of integrated CASE.

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