

Software Product Lines Practices And Patterns

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Software Product Lines Practices And

Long a standard practice in traditional manufacturing, the concept of product lines is relatively new to the software industry. A software product line is a family of systems that share a common set of core technical assets, with preplanned extensions and variations to address the needs of specific customers or market segments.

Software Product Lines: Practices and Patterns: Clements ...

Software Product Lines: Practices and Patterns: Practices and Patterns [Clements, Paul, Northrop, Linda] on Amazon.com. *FREE* shipping on qualifying offers. Software Product Lines: Practices and Patterns: Practices and Patterns

Software Product Lines: Practices and Patterns: Practices ...

Software Product Lines: Practices and Patterns. This book provides a framework of specific practices, with detailed case studies, to guide the implementation of product lines in your organization.

Software Product Lines: Practices and Patterns

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Clements & Northrop, Software Product Lines: Practices and ...

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Software Product Lines: Practices and Patterns - Paul ...

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Software Product Lines: Practices and Patterns | InformIT

Framework for Software Product Line Practice. is a document that aids the soft-ware community in software product line endeavors. Each version represents an incremental attempt to capture the latest information about successful software product line practices. This information has been gleaned from

A Framework for Software Product Line Practice, Version 5

A software product line is a portfolio of similar software-based systems and products produced from a shared set of software assets using a common means of production. Software Product Line (SPL) engineering refers to the engineering and management techniques to create, evolve, and sustain a software product line.

Software Product Lines

Software Product Line Practices Long before our work on this program, the SEI began to focus on the concept of software product lines , which are a proven way to develop and manage software components more efficiently and at significant cost savings to the producer and its customers, who are often diverse customers that receive similar products from a common core software collection.

Efficient and Effective Software Sustainment of Product ...

Product lines are known for the ability to isolate product variation for customization. In fact, the concept of variability separates product lines from small-grained reuse. See A Framework for Software Product Line Practice, V5 (page 6). Changes to core products affect all elements of the product line--code, documentation, test cases, etc. Insistence by programs on making frequent changes can adversely affect the careful attention to the quality and support for variability suggested by the ...

Governance of a Software Product Line: Complexities and Goals

Software product lines, or software product line development, refers to software engineering methods, tools and techniques for creating a collection of similar software systems from a shared set of software

assets using a common means of production. The Carnegie Mellon Software Engineering Institute defines a software product line as "a set of software-intensive systems that share a common, managed set of features satisfying the specific needs of a particular market segment or mission and that a

Software product line - Wikipedia

Long a standard practice in traditional manufacturing, the concept of product lines is relatively new to the software industry. A software product line is a family of systems that share a common set of core technical assets, with preplanned extensions and variations to address the needs of specific customers or market segments.

Software Product Lines: Practices and Patterns / Edition 1 ...

Software product lines challenge traditional analysis techniques, such as type checking, testing, and formal verification, in their quest of ensuring correctness and reliability of software. Simply creating and analyzing all products of a product line is usually not feasible, due to the potentially exponential number of valid feature combinations.

Analysis Strategies for Software Product Lines

Software product line engineering has proven to empower organizations to develop a diversity of similar software-intensive systems (applications) at lower cost, in shorter time, and with higher quality when compared with the development of single systems.

Software product line engineering and variability ...

Software product line engineering (SPLE) is a growing area showing promising results in research and practice. In order to foster its further development and acceptance in industry, it is necessary to assess the quality of the research so that proper evidence for adoption and validity are ensured.

Requirements engineering for software product lines: A ...

Software product management (sometimes also referred to as digital product management or, in the right context just product management) is the discipline of building, implementing and managing software or digital products, taking into account life-cycle considerations and an audience. It is the discipline and business process which governs a product from its inception to the market or customer ...

Software product management - Wikipedia

A Software Product Line is a set of software-intensive systems sharing a common, managed set of features that satisfy the specific needs of a particular market segment or mission and that are developed from a common set of core assets in a prescribed way 4.

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