

7 STAGES OF THE SOFTWARE DEVELOPMENT PROCESS



INITIAL DISCUSSION

A vital element. This step lays the groundwork for research and analysis. The purpose of this step is to understand the requirements and user stories. The resulting analysis covers the software development aspects of business needs and it helps build a scope plan to determine and begin documentation efforts of the project.

0



PROJECT EVALUATION

The Project Manager understands all aspects of the project, its scope, and approach. In this step, the Project Manager also estimates the number of hours for the project.

1



START OF DEVELOPMENT

Upon approval, developers begin work based on the scoping plan and client's requirements, and if necessary, push code for incremental reviews during development.

2



PROJECT DELIVERY

The Project Manager is responsible for delivering periodic status updates, introducing and phasing out resources as the project progresses, communicating roadblocks or revisions, and performing basic quality assurance.

3



CODE REVIEW

The code is pushed for review prior to final deployment to identify errors, defects, or bugs.

4



DEPLOYMENT

This step is where the software goes live. After its release is approved, the software is deployed and ready for use.

5



SUPPORT

Software must be continuously maintained to ensure consistency in its quality and it needs to incrementally improve as the needs and requirements change. The software release life cycle sums up all versions of the software made from its initial stages to its released version.

6

Software Process Technology

SB Merriam



Software Process Technology:

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Software Process Technology Vincenzo Ambriola, 2003-06-29 This book constitutes the refereed proceedings of the 8th European Workshop on Software Process Technology EWSPT 2001 held in Witten Germany in June 2001 The 18 revised full papers presented were carefully reviewed and selected from 31 submissions Among the areas addressed are process evolution experiences mobility and distribution UML process patterns and process improvement

Software Process Technology Reidar Conradi, 2000-02-09 This book constitutes the refereed proceedings of the 7th European Workshop on Software Process Technology EWSPT 2000 held in Kaprun Austria in February 2000 in conjunction with a meeting of the European ESPRIT IV Project for Process Instance Evolution PIE The 21 revised papers presented were carefully reviewed and selected from 44 submissions The book is organized in sections on methods applications process instance evolution distributed processes and process modeling languages and industrial experience

Software Process Technology Brian C. Warboys, 1994-01-26 The software process is the total set of software engineering activities necessary to develop and maintain software products Software process technology SPT deals with methods formalisms and tools for supporting the software process SPT has developed into a key technology in terms of its importance to software engineering environments systems integration cooperative working and business process re engineering This volume contains the proceedings of the third European Workshop on Software Process Technology It is organized into six parts architecture meta process and methodology process modeling concepts PML concepts and paradigms experiences with SPT and related domains

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Software Process: Principles, Methodology, and Technology Jean-Claude Derniame, Badara A. Kaba, David Wastell, 2006-08-18 1 Jean Claude Derniame Software process technology is an emerging and strategic area that has already reached a reasonable degree of maturity delivering products and significant industrial experiences This technology aims at supporting the software production process by providing the means to model analyse improve measure and whenever it is reasonable and convenient to automate software production activities In recent years this technology has proved to be effective in the support of many business activities not directly related to software production but relying heavily on the concept of process i e all the applications traditionally associated with workflow management This book concentrates on the core technology of software processes its principles and concepts as well as the

technical aspect of software process support The contributions to this book are the collective work of the Promoter 2 European Working Group This grouping of 13 academic and 3 industrial partners is the successor of Promoter a working group responsible for creating a European software process community Promoter 2 aims at exploiting this emerging community to collectively develop remaining open issues to coordinate activities and to assist in the dissemination of results The title *Software Process Modelling and Technology* Fink94 was produced during Promoter 1 Being project based it presented the main findings and proposals of the different projects then being undertaken by the partners *Unifying the Software Process Spectrum* Barry Boehm,2005 This book constitutes the thoroughly refereed post proceedings of the International Software Process Workshop SPW 2005 held in Beijing China in May 2005 The 30 papers presented here together with 11 keynote addresses are organized in topical sections on process content process tools and metrics process management process representation and analysis as well as experience reports *Software Process Change* Qing Wang,Dietmar Pfahl,David M. Raffo,Paul Wernick,2006-07-25 This book constitutes the refereed proceedings of the First joint International Software Process Workshop and the International Workshop on Software Process Simulation and Modeling SPW ProSim 2006 The 34 revised full papers presented together with 4 keynote addresses are organized in topical sections on process tailoring and decision support process tools and metrics process management process representation analysis and modeling process simulation modeling process simulation applications and experience report *Advanced Parallel Processing Technologies* Ming Xu,Yinwei Zhan, Jiannong Cao,Yijun Liu,2007-11-07 This book constitutes the refereed proceedings of the 7th International Workshop on Advanced Parallel Processing Technologies APPT 2007 held in Guangzhou China in November 2007 The 78 revised full papers presented were carefully reviewed and selected from 346 submissions All current aspects in parallel and distributed computing are addressed ranging from hardware and software issues to algorithmic aspects and advanced applications The papers are organized in topical sections Product Focused Software Process Improvement Frank Bomarius,Seija Komi-Sirviö,2003-06-30 The Third International Conference on Product Focused Software Process Improvement PROFES 2001 continued the success of the PROFES 99 and PROFES 2000 conferences PROFES 2001 was organized in Kaiserslautern Germany September 10 13 2001 The PROFES conference has its roots in the PROFES Esprit project <http://www.ele.vtt.fi/profes> but it quickly evolved into a full fledged general purpose conference in 1999 and since then it has gained wide spread international popularity As in previous years the main theme of PROFES 2001 was professional software process improvement SPI motivated by product and service quality needs SPI is facilitated by software process assessment software measurement process modeling and technology transfer and has become a practical tool for quality software engineering and management The conference addresses both the solutions found in practice as well as relevant research results from academia The purpose of the conference is to bring to light the most recent findings and results in the area and to stimulate discussion between the researchers experienced professionals and technology providers

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