

# Software Reuse Survey Report



Software reuse is a key technology for significantly improving software quality and productivity. This 93 page report summarizes the current status of software reuse practice based on a survey of 113 individuals from 29 organizations in the U.S. and Europe, and from other sources. The information presented can help your organization assess current reuse technology and your reuse status and needs. This report can be used to benchmark the reuse activities of your organization, to determine how your organizations reuse activities and performance compare to the performance of organizations in the survey, and to determine impediments to more reuse in your organization and how to deal with them. Benchmark data: Systematic software reuse is an important technology for improving software, and organizations that do it best will have a competitive advantage. It is important to know how your organization compares in this crucial technology. One way to do this is to run the survey (included) in your company, and compare your answers to those for surveyed organizations. Root cause analysis of reuse impediments: You can use the survey to help determine factors impeding reuse in your organization. Value of reusable assets: The survey gives evaluations of reusable components such as the X widgets and the Booch components. You can use this information to guide your evaluation and acquisition of these assets. You can also adapt this part of the survey to evaluate other assets, both internal and external.

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**A Survey of Software Reuse Repositories - Calhoun Home - Naval** Keywords: Software Reuse, Survey, Software Development. 1. Introduction. This article reports on a survey of software developers to gain an **Software Reuse in Agile Development Organizations** A Finally, while it is difficult to imagine a successful software reuse . Frakes, W. B. and C. J. Fox (1993), Software Reuse Survey Report, **Identifying Issues and Concerns in Software Reuse in Software** Reusing programs and other artifacts has been shown to be an effective strategy for significant reduction of development costs. This article reports on a survey of **Component Based Software Development: A State of Art - arXiv** Create new software by reusing pieces of existing software rather than Status Report: Software Reusability. [Krueger92] Software Reuse, ACM Survey. 1992 **Identify Issues and Concerns in Software Reuse - CiteSeerX** **Software Reuse Survey Report: William B. Frakes, Christopher J** surveys recent software reuse research using a framework that helps identify and addition, there are a number of reports of successful industry experience [35, **High Confidence Software Reuse in Large Systems: 10th - Google Books Result** systematic software reuse strategies and evaluates how they contribute to a reports on the results of a survey of reuse experts, which also indicates that **Identify Issues and Concerns in Software Reuse** Software reuse is the use of software resources from all stages of the software development process in new applications. Given the high cost **A survey of software reuse libraries - ACM Digital Library** Experience report on software reuse project: its structure, activities, and . Yongbeom Kim , Edward A. Stohr, Software reuse: survey and **Software Reuse: Survey and Research Directions: Journal of** survey and invited organizations reusing and integrating existing software components, as . reuse, most respondents report a high level of use of unit testing. **Reusability in Component Based Software Development - A - Idosi** **OPEN-SME (Open Source Software Reuse Service for SMEs) - Cordis** Capers, J. (1994) Economics of Software Reuse, Computer, Vol.27, #7. Frakes, W. B. (1993a) Software Reuse Survey Report, Software Engineering Guild. **A Systematic Mapping Study on Software Reuse - DiVA** This paper reports on a successful Components-Based Development (CBD) approach that The critical problem in todays practice of software reuse is a failure to survey, and QSM study results Nada [Nada 97] concluded that the software **Software Reuse: Developers Experiences and Perceptions** A Survey of Software Reuse Repositories paper gives a survey of the major software reusable .. This paper reports the results and recommendations of a. **Software Reuse: Developers Experiences and Perceptions** Final Report Summary - OPEN-SME (Open Source Software Reuse Service for SMEs) .. According to a survey conducted in [17], software reuse in general and **Software Engineering for Manufacturing Systems: Methods and CASE tools - Google Books Result** Through the years several research works, including company reports [5, 6, 7], We have conducted a survey of software reuse the focus of which is to identify **An integrated approach to software reuse practice** product is produced. An initial investment is required to start a software reuse Associates Inc., reports component assembly moves to a reduction in development life Sarbjeet Singh et al [7] surveyed the different concerns of reusability for **Software Reuse** Till now, software reuse is confined to reuse of source code in the name of code Figure 8: Percentage of Academic, Industrial and Survey Validations . . Our research report will help the industry to know exactly which assets can be - **CMU** results in object-oriented software reuse, such as design patterns, a survey of general principles and methods in Status report: Software reusabil- ity. **Sixteen questions about software reuse - ACM Digital Library** We have completed a survey on software reuse the focus of which is to identify issues and concerns in cluding company reports [57], informal research. **Experience report on software reuse project - ACM Digital Library** 10th International Conference on Software Reuse, ICSR 2008, Beijing, China, May report [6]. As a second part of this study, we conducted a qualitative survey **Advances in Computers - Google Books Result** ACM Computing Surveys, 27(2):257-261, June 1995. [Ge93] Erich Design Patterns: Elements of Reusable Object-Oriented Software. Technical Report CMU/SEI-94-TR-21, Software Engineering Institute, Carnegie Mellon University, 1994. This paper reports the results of that survey. Keywords: Software Reuse, Software Product Line, Domain Engineering. 1. Introduction. The study of software **A survey on software reuse processes (PDF Download Available)** Official Full-Text Publication: A survey on software reuse processes on ResearchGate, the company reports [3, 4, 5, 6, 7], informal research [8] and. empirical **Top Productivity through Software Reuse: 12th International - Google Books Result** Software reuse is the use of existing software knowledge or artifacts to build new Frakes, W.B., and Fox, C.J. Software Reuse Survey Report, **none** Key words:Component-Based Development Software Reusability Software metrics . component based reusability metrics are surveyed and . Status report:. **Characteristics of Software Reuse Strategies - MISRC [29]** C.A. Welty,

D.A. Ferrucci, A formal ontology for re-use of software architecture [36] S. Winkler, J. Pilgrim, A survey of traceability in requirements engineering an embedded software reference architecture industrial experience report,