
Software Architecture Umentation In The Real World

[DOC] Software Architecture Umentation In The Real World

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Software Architecture umentation In

Understanding Software Architectures: Tracing ...

Understanding Software Architectures: Tracing architectural knowledge in software architecture documentation Jens Rasmussen Supervisors Anton Jansen, Jan Salvador van ...

Software Architecture Documentation for Developers: A Survey

We focused on software architecture documentation for developers to complement our experiences from industry projects with the views of software developers By doing this, we aim to create a basis for future improvement of methods and tools for architecture documentation to ...

Documenting Software Architectures: Organization of ...

Perhaps the most important concept associated with software architecture documentation is the view A software architecture is a complex entity that cannot be described in a simple one-dimensional fashion The analogy with a building architecture, if not taken too far, proves illuminating There is no single rendition of a building architecture

Towards Recovering the Software Architecture of ...

Towards Recovering the Software Architecture of Microservice-based Systems Giona Granchelli , Mario Cardarelli , Paolo Di Francescoy, Ivano Malavoltaz, Ludovico Iovinoy, Amleto Di Salle University of L'Aquila, L'Aquila, Italy

The 3+1 Approach to Software Architecture Description ...

In addition to the views on the architecture, we recommend collecting architecturally significant requirements (see Section 2) in the architecture documentation This corresponds to the mission of a system as described in [Software Engineering Standards Committee, 2000] The views corresponding to these viewpoints are described using the Uni-

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Enriching Software Architecture Documentation

Enriching Software Architecture Documentation Anton Jansen, Paris Avgeriou, and Jan Salvador van der Ven* Department of Mathematics and Computing Science, University of Groningen, PO Box 800, 9700AV Groningen, The Netherlands Abstract The effective documentation of Architectural Knowledge (AK) is one of the key

Architectural Design Decisions

Software architecture [119, 138] has become a generally accepted concept in re-umentation often is difficult to interpret and use by individuals not involved in architecture are covered by the architectural change group of requirements

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Pattern-Based Architecture Reviews

architecture review in AT&T is 70 staff days2 • Price Published architecture review methods are generally expensive • Architectural documentation Even though many architecture review methods base much of their analysis on it,1 production-focused projects have little architectural documentation—a widely recognized problem9

Model-Driven Evolution of Software Architectures

umentation tasks, we evaluate our solutions with respect to the application of similar approaches in other cases Considering our research questions, we specifically focussed the evaluation on the extent to which the software evolution tasks can be automated, the impact of software product lines, and possibilities for reusing

An Exploratory Study on Ontology Engineering for Software ...

The usefulness of Software Architecture (SA) documentation depends on how well its Architectural Knowledge (AK) can be retrieved by the stakeholders in a software project Recent findings show that the use of ontology-based SA documentation is promising However, different roles in software development have different needs for AK, and building an

Delft University of Technology A Collaborative Approach to ...

umentation covering at least a context view, development view, architectural patterns, and an evolution perspective Furthermore, the course covers selected additional topics in software architecture In the past years, we have included material on architectural metrics [5], technical debt [12], the use of design sketches for communica-

A Collaborative Approach to Teaching Software Architecture

A Collaborative Approach to Teaching Software Architecture Arie van Deursen, Maurício Aniche, Joop Aué, Rogier Slag, Michael de Jong, Alex Nederlof, Eric Bouwers Delft University of Technology ABSTRACT Teaching software architecture is hard The topic is abstract and is best understood by experiencing it, which requires proper scale to

Linux as a Case Study: Its Extracted Software Architecture

Linux as a Case Study: Its Extracted Software Architecture Ivan T Bowman and Richard C Holt Dept of Computer Science University of Waterloo Waterloo, Ontario N2L 3G 1 CANADA {itbowman,holt}@plguwaterlooca +1(519) 888-4567 ~4671 ABSTRACT Many software systems do not have a documented system architecture

Architecture Design in Global and Model-Centric Software ...

best architecture is worthless if the code doesn't follow it" (Clements and Shaw,2009) In their landmark study on the state of the practice in software architecture research,Shaw and Clements(2006) formulate some promising areas in which significant opportunities exist for new contributions in software architecture research Among others

Towards the Essentials of Architecture Documentation for ...

assess the architecture (D4), the software architecture doc-umentation should be able to record the most important constraints regarding those patterns Even better, architec-ture patterns and styles and the corresponding constraints should be expressible in testable rules Other concerns mentioned by experts encompass architec-

Software architecture - Interempresas

7 Software architecture Project views Project management An Automation Studio project is man-aged in various tree views Logical view - Source fi les

Software Architecture of an Insurance System based on Services

Software Architecture of an Insurance System based on Services 3 2 Falling Behind In 2010, InsuranceCorp found itself in a precarious situation: its systems and processes were old and very ine cient Not only that, but the way it worked, created a lot of entropy and obstacles to all the changes and improvements that the business required

A Genetic Approach to Architectural Pattern Discovery

Software architecture entails the set of structures needed to reason about the system, which comprise software ele-ments, relations among them, and properties of both [2] One can distinguish three types of structure within software architecture (static, dynamic and allocation) [2], or look at a