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Documenting Software Architectures Views And

Documenting Software Architectures: Views and Beyond. Paul Clements*, David Garlan**, Reed Little*, Robert Nord*, Judith Stafford* Carnegie Mellon University. Pittsburgh, Pennsylvania 15213 USA

(PDF) Documenting Software Architectures: Views and Beyond

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Documenting software architectures: views and beyond
Abstract: This lecture maps the concepts and templates explored in this tutorial with well-known architectural prescriptions, including the 4+1 approach of the Rational Unified Process, the Siemens Four Views approach, and the ANSI/IEEE-1471-2000 recommended best practice for documenting architectures for software-intensive systems.

Documenting software architectures: views and beyond

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Documenting Software Architectures: Views and Beyond, 2005, (isbn 0201703726, ean 0201703726), by Clements P., Bachmann F., Bass L.

Documenting Software Architectures: Views and Beyond by ...

Software Architecture, Spring 2014 School of Software Engineering 33 School of Software Engineering Choosing relevant views . Step 2. Combine views • Too many views • Remove views with “overview only” info or that serve very few stakeholders • See if stakeholders of the above can be served by other views with more needed info

Views and Documenting Software Architecture

The 4+1 Architectural view model was created by Philippe Kruchten and published, back in 1995, in his paper titled

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“Architectural Blueprints—The “4+1” View Model of Software Architecture“. This way of visualising a software application architecture is based on 5 views/perspectives of the application, telling us what diagrams can be used to document each of those views.

Documenting Software Architecture - @hgraca

Software Architecture Document. 1. Introduction 1.1 Purpose. This document provides a comprehensive architectural overview of the system, using a number of different architectural views to depict different aspects of the system. It is intended to capture and convey the significant architectural decisions which have been made on the system. 1.2 ...

Example: Software Architecture Document

Documenting Software Architectures: Views and Beyond
Applying UML and Patterns: An Introduction to Object-Oriented

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Analysis and Design and Iterative Development Written by

Documentation in Software Architecture | by Nikolay ...

Data Architecture views and Applications Architecture views address the concerns of the database designers and administrators, and the system and software engineers of the system. They focus on how the system is implemented from the perspective of different types of engineers (security, software, data, computing components, communications), and how that affects its properties.

Developing Architecture Views - Open Group

4+1 is a view model used for "describing the architecture of software-intensive systems, based on the use of multiple, concurrent views". The views are used to describe the system from the viewpoint of different stakeholders, such as end-users, developers, system engineers, and project managers.

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4+1 architectural view model - Wikipedia

Documenting Software Architectures: Views and Beyond, Second Edition October 2010 • Book Felix Bachmann, Len Bass, Paul C. Clements, David Garlan, James Ivers, Reed Little, Paulo Merson, Robert Nord, Judith A. Stafford. This book provides the most complete and current guidance on how to capture a software architecture in a commonly understandable form.

Documenting Software Architectures: Views and Beyond

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Software architecture descriptions are commonly organized into views, which are analogous to the different types of blueprints made in building architecture. Each view addresses a set of system concerns, following the conventions of its viewpoint, where a viewpoint is a specification that describes the notations, modeling, and analysis techniques to use in a view that

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expresses the architecture ...

Software architecture - Wikipedia

The book features rules for sound documentation, the goals and strategies of documentation, architectural views and styles, documentation for software interfaces and software behavior, and templates for capturing and organizing information to generate a coherent package. New and improved in this second edition:

Documenting Software Architectures: Views and Beyond

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Architecture is crucial to the success of any large software system -- but even a superb architecture will fail if it isn't communicated well. Now, there's a language- and notation-independent guide to capturing architecture so it can be used successfully by every analyst, software designer, and developer.

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The authors review the diverse goals and uses of software architecture documentation ...

Documenting Software Architectures: Views and Beyond

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Documenting an architecture is a matter of documenting the relevant views and then adding documentation that applies to more than one view. Figure P.1. A documentation package for a software architecture is composed of one or more view documents and documentation that explains how the views relate to one another, introduces the package to its readers, and guides them through it.

P.4. Views | Software Architectures and Documentation

We hold that documenting software architecture is primarily about documenting the relevant views, and then augmenting this information with relevant information that applies across

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views. The heart of the book is an introduction to the most relevant architectural views, grouped into three major families (which we call viewtypes) along with practical guidance about how to write them down.

Documenting Software Architectures: Views and Beyond

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Paul Clements is a Senior Member of the Technical Staff at the Carnegie Mellon Software Engineering Institute (SEI), where he has worked since 1994 leading or coleading projects in software product-line engineering and software architecture documentation and analysis. Besides this one, Clements is the coauthor of two other practitioner-oriented books about software architecture: Software ...

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