Architectural Knowledge Management

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Software architecture is about the high-level structure of software. But it is a mistake to think of software architecture only in terms of components and connectors. Architectural knowledge is not limited to the software structure proper, but also covers the design decisions that led to that structure and the rationale for those decisions.

The GRIFFIN project (2005-2009) has been a research project in which a consortium of academic and industrial partners investigated present-day problems related to the management of architectural knowledge. This thesis contains the results of the doctoral research performed by two of the GRIFFIN researchers. After a general introduction of architectural knowledge management and related challenges the thesis particularly focuses on two challenges, namely how architects can effectively share architectural knowledge, and how auditors can discover relevant architectural knowledge.