

# **BENEFITS OF USING SOFTWARE WITH SIK COMPLIANT ARCHITECTURE IN CLOUD**

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**Abstract:** The aim of this paper is to investigate the main benefits that can be obtained by using a SIK (software inherited knowledge) compliant architecture for cloud services and support software used to build, administer and maintaining the cloud. It introduces the basic building blocks for cloud computing together with the main categories of cloud services. For the SIK architecture, shown in connection with a semantic-web application architecture, are introduced the main functionalities. The paper outlines then the main benefits different categories of users may have from both cloud and SIK compliant architecture for the cloud services delivered onto, for extensive knowledge management, and for creating the base for semantic-web for the modeled domain, the software operation and usage, and automated administrative tasks for the cloud.

**Keywords:** software inherited knowledge, SIK, cloud-computing, knowledge management

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