

Architecture for Knowledge Management

A Structure for a Cohesive KM Mechanism with Comprehensive Knowledge Sources



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She started ArchiTech Consulting LLC to provide consulting, R&D, and training services on the core architectures for enterprises, solutions, and systems. She has extensive advanced research experience on digital content management and knowledge management mechanisms, with 6 patents granted, 4 patents pending, and a number of invention disclosures and technical publications.

Dr. Zhao was also a university faculty member, a guest and an adjunct professor. She is active in public speaking as well.

Abstract

Internet provides us with explosive information, and enables us to collect and distribute information conveniently as well. However, information has to be organized and be comprehended to become knowledge. For an enterprise, in addition to its information and knowledge maintained internally, public Internet provides good information sources for knowledge extraction as well. The *Architecture for Knowledge Management* provides a structure and operation guidance for such cohesive knowledge management mechanism with comprehensive knowledge sources.

Information can be obtained through data processing, and knowledge can be obtained through information processing. The conversion from data to information usually doesn't need to consider the information receivers. However, the conversion from information to knowledge has to consider the knowledge receivers. Knowledge to one person can be only information to another. In other words, information is target less, while knowledge has target and beholder. Therefore, for information to become knowledge, we have to interpret them for its targeted audience. In this regards, enterprise architecture is helpful in identifying the sources and targets for knowledge management. The architecture for knowledge management covers mainly three components: 1) knowledge capture, 2) knowledge management, and 3) knowledge distribution.

Learning Objectives:

- Architecture for knowledge management and its technical components
- The role of Enterprise Architecture for knowledge management
- The role of Big Data for knowledge management
- The role of Cloud Computing for knowledge management
- The impacts of Mobile Computing to knowledge management

