

Abstract: DIGK: Implementation Model for Knowledge Management System

Bongen Gu, Sangmum Park, Yoonsik Kwak
*Dept. of Computer Engineering, Chungju University,
50 Daehak-Ro, Chungju-Si, Chungbuk,
380-702, South Korea
bggoo@cjnu.ac.kr, sinic45@naver.com, yskwak@cjnu.ac.kr*

Abstract

In mobile computing environment, the huge numbers of small information is created, transferred, and stored. However information is just used for a small group sharing, not for knowledge. If knowledge can be extracted from a huge number of small information from mobile devices, we can take new chances to make new knowledge services. To do this, knowledge management system is required for creating, managing, and extracting knowledge. In this paper, we propose an implementation model for knowledge management system. We name our implementation model DIGK. In our model, Hadoop is proposed as implementation environment to manipulate information and knowledge. And HBase is proposed as database for storing knowledge base.