A COMPREHENSIVE STUDY FOR OPEN-SOURCE ENTERPRISE
INFORMATION SYSTEM MODULES IN OPERATIONS
MANAGEMENT/SUPPLY CHAIN MANAGEMENT

Sang-Heui Lee
Department of Management
College of Business Administration
University of Nebraska-Lincoln

Abstract

Although there have been several studies on large scale implementations of proprietary enterprise software, open-source projects of enterprise software development have received limited attention in spite of its potential as a disruptive innovation. This study is intended to investigate the enterprise open-source software (OSS) modules that have been developed for the disciplines of Operations Management (OM)/Supply Chain Management (SCM). The past OSS related studies focused mostly on motivation of OSS developers, social structures in OSS development teams, etc. A pilot study on OSS enterprise system overall revealed that there are on-going enterprise OSS projects for some OM modules such as inventory controls, project management, etc. As open-source enterprise software projects have become increasingly popular, their potential as a competitive force is important to examine. This study reviews the current development of OSS OM/SCM modules by a comprehensive analysis on on-line OSS communities.