

Issues in

Knowledge Management

Mohamad Fauzan Noordin



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ISSUES IN KNOWLEDGE MANAGEMENT

Editor

Mohamad Fauzan Noordin



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AN OVERVIEW OF SEMANTIC WEB TECHNOLOGIES

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Abstract

Semantic Web is an evolution of World Wide Web whereby a new form of web content that is meaningful to computer is utilized, making it possible for computer to understand the web content and satisfy the request of people and machine to use the web content. It used language specified for data and linked data which will be very convenience for user to find and share knowledge. There are several technologies associated to form the semantic web and in this paper, overviews of the semantic web technologies are discussed.

35.1 Introduction

Semantic Web is the progression of the World Wide Web derives by World Wide Web Consortium (W3C) director, Sir Tim Berners-Lee. His vision of the Web as a universal medium for knowledge exchange develops World Wide Web into Semantic Web.

"I have a dream for the Web [in which computers] become capable of analyzing all the data on the Web – the content, links, and transactions between people and computers. A 'Semantic Web', which should make this possible, has yet to emerge, but when it does, the day-to-day mechanisms of trade, bureaucracy and our daily lives will be handled by machines talking to machines. The 'intelligent agents' people have touted for ages will finally materialize."