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Subject:

Intelligent Farsi Content Management System

By:

Hadi Saboohi

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Abstract

Content Management Solutions help to fill the gap between building a publication and keeping its content up to date. Content Management concept was initiated with the idea that two different groups of people will be working on a publication; we'll call them *builders* and *content contributors*. Commonly Content Management Systems provide management facilities for human-readable information. These systems are responsible for content collection, management and publishing to any desired output. The main goal of such a system is to provide means for entering data, managing and tracking changes of them, and finally publishing a single source into wide variety of publications such as printed, web and other publications, all by content contributors with little computer knowledge.

In most current Content Management Systems, data is considered to be integrated and exists in one data source, and is not provided such that one be able to run queries against it. In this research, data is considered to be in multiple heterogeneous sources; each of them is collected and maintained independently. This framework 1) integrates data and 2) is capable of publishing content in a special form needed for syndicating information for external publishers. Knowing that current Content Management Systems do not provide and information in machine-readable format, in this system, information is represented as RDF (a recommendation of W3C). This facilitates machine processing such as query execution on represented information. So, this research extends CMS concept to provide semantic and hence helps to create a "Semantic Web" for a content space.