STUDY OF CONTENT MANAGEMENT SYSTEM, LARGE NETWORKS AND COMPUTER SYSTEMS

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Websites often have a dynamic character, the content is updated frequently, so we need to use a CMS. Content management systems are used to facilitate the process of site changes and content creation. One of these system is Adobe AEM, created by Adobe Company.

The advantages of this system over others are:

– implementation of processes for creating, editing, and publishing content;

– manage data storage for images, documents and their integration into websites;

– use search terms;

– flexibility in setting up blogs, social groups.

To access the data, there is JSR API, so you do not care about data storage. As a data store can be a database or other file structure. This ensures a stable and strong construction system which does not depend on storage. Because of this, developers have a flexible system which takes advantage of the file system and database. A convenient way to access data was received from file systems and we able to use reading and writing streams. From the database we gained ability to use the transaction, flexible search and access restrictions to different parts of the repository.

JCR are used in pair with SLING Framework for communication between JSR repository and users. The main goals of the framework are: the search, the content issuing from the repository, information management interface and support ajax scripts. Framework provides access to the JSR repository using http requests.

The aim of future research is to find the optimal parameters of a content management system for large commercial systems and its settings.