

Implementation and Performance Evaluation of A CMIS Server for Open Source PHP Based WCMS

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Master of Science in Computer Science
(Networks and Distributed Systems)
2013

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Nowadays, most organizations use content management systems (CMS) to manage large volume of content which are created in their daily work. For many large organizations and enterprises, different CMS might be used for various reasons. Although the demand of exchanging content crosses different CMS is imperative, the interoperability is difficult to realize due to proprietary APIs. The Content Management Interoperability Service is an open standard which defines a domain model and some services to improve the interoperability for CMS. Despite many enterprise content management systems have now implemented CMIS, it has received relatively less attention in the important class open source web content management system (WCMS). This research aims to find how the CMIS standard can be implemented to support open source PHP based WCMS. To achieve the expected goal, a CMIS server is implemented for WordPress and an evaluation tool is implemented to investigate the feasibility and performance issues of the server implementation compared to a Java ECM implementation. By using the server implementation, organizations are able to get content from the WordPress and execute query operations. Although the performance of the server implementation needs to be improved, the server implementation does not have a significant detrimental impact on the computer's performance. Furthermore, the server implementation provides a potential way for CMIS to support other WCMS.