



UNIVERSITY OF DUBLIN TRINITY COLLEGE

DISSERTATION

Content Interoperability and Open Source Content Management Systems An implementation of the CMIS standard as a PHP library

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This paper covers the design, implementation and evaluation of PHP library to aid in use of the Content Management Interoperability Services (CMIS) standard. The paper examines language independence of the CMIS standard by applying to a PHP content management system and details the benchmarks performed to evaluate the server.

Parts of the CMIS standard were implemented in PHP and used within a Wordpress site. In particular basic navigation of post, pages and media through the Atom binding of the CMIS standard.

Strides have been made toward an implementation of a PHP library to allow PHP CM system be CMIS compliant. Benchmark show that the cost of the generations of CMIS objects in a PHP CM system requires less computation (CPU load) and time than the generation of a full HTML web page.