Digital Library Management using Cloud Computing

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Abstract: *Libraries may soon be building and managing their own data centers.This model would let libraries maintain more control over the applications and data stores that contain sensitive, private information about patrons. Provisioning and maintenance of infrastructure for Web based digital library present several challenges. In this paper we discuss problems faced with digital library and development efforts to overcome that problem. Infrastructure virtualization and cloud computing are particularly attractive choices which is challenged by both growth in the size of the indexed document collection, new features and most prominently usage. With the purpose of applying Cloud Computing to university library, the paper describes the current status of user service models in university libraries. Then it proposed to improve current user service model with Cloud Computing. This paper explores some of the security issues surrounding data location, mobility and availability.*

Keywords: Efficiency, Permission, SAAS, PAAS, IAAS, Service Models, BBS

REFERENCES

[1] Fan Bing si, Cloud Computing and Libraries: Defense for Research on the Cloud Computing, Library and Information Service, 2009.

[2] Hu Guangxia, Research on Information Service Model of University Library in Digital era, Tianjin Polytechnic University, 2007.

[3] Huang Fuyan, Research on the Development of Library Information Service Models in the Information Culture Environment, OJ Xiangtan University, 2008.