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IIM> Vol.2 No.5, May 2010

OPEN ACCESS

BPM Architecture Design Based on Cloud Computing

PDF (Size:265KB) PP. 329-333 DOI: 10.4236/iim.2010.25039

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ABSTRACT

Cloud Computing has become one of the popular buzzwords in the IT area after Web2.0. This is not a new technology, but the concept that binds different existed technologies altogether including Grid Computing, Utility Computing, distributed system, virtualization and other mature technique. Business Process Management (BPM) is designed for business management using IT infrastructure to focus on process modeling, monitor and management. BPM is composed of business process, business information and IT resources, which help to build a real-time intelligent system, based on business management and IT technologies. This paper describes theory on Cloud Computing and proposes a BPM implement on Cloud environments.

KEYWORDS

Cloud Computing, Business Process Management, Service-Oriented Architecture

Cite this paper

Z. Fang and C. Yin, "BPM Architecture Design Based on Cloud Computing," *Intelligent Information Management*, Vol. 2 No. 5, 2010, pp. 329-333. doi: 10.4236/iim.2010.25039.

References

- [1] Amazon Elastic Compute Cloud, 7 November 2009. <http://aws.amazon.com/ec2>.
- [2] Google Inc. Google Apps Engine, 7 November 2009. <http://www.google.com/apps>.
- [3] B. Dragovic, K. Fraser, S. Hand, T. Harris, A. Ho, I. Pratt, A. Warfield, P. Barham and R. Neugebauer, "Xen and the Art of Virtualization," *Proceedings of the ACM Symposium on Operating Systems Principles*, New York, 2003.
- [4] VMware Virtualization Technology, 7 November 2009. <http://www.vmware.com>.
- [5] S. Ghemawat, H. Gobiuff and S. Leung, "The Google File System," *Proceedings of the 19th ACM Symposium on Operating Systems Principles*, New York, 2003, pp. 29-43.
- [6] Amazon, "S3," 7 November 2009. <http://aws.amazon.com/s3/>.
- [7] J. Dean and S. Ghemawat, "MapReduce: Simplified Data Processing on Large Clusters," *Proceedings of the 6th conference on Symposium on Operating Systems Design & Implementation*, Vol. 6, 2004, p. 10.
- [8] Hadoop Homepage, 7 November 2009. <http://hadoop.apache.org>

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