Abstract

From the most promising area of networking, the concept of using the services of cloud computing is on a great consideration nowadays. As a result it's a crucial time for corporate IT leaders to know their opportunities, innovating their creations on a higher level and utilizing their resources for new great challenges. Cloud computing potentially aims in making an organization more agile and cost effective. Keeping in way all the advantages that a cloud accommodates in its working, still the decision makers have a difficult eye on how and why to adopt cloud. This paper discusses some of the important concerns that a corporate developer might have before radically shifting to use the services provided by the cloud and also gives an enlightened solutions to those concerns.

References

- National Institute of Standards and Technology (NIST), Special Publication 800-145, The NIST Definition of Cloud Computing, September 2011
A Survey on Cloud Providers and Migration Issues

- Ali Khajeh-Hosseini, David Greenwood, Ian Somerville, Cloud Computing Co-laboratory, School of Computer Science University of St Andrews, UK; Cloud Migration: A Case Study of Migrating an Enterprise IT System to IaaS;
- The NIST Definition of Cloud Computing; Recommendations of the National Institute of Standards and Technology, Peter Mell & Timothy Grance;
- Amazon Elastic Compute Cloud (EC2). http://aws.amazon.com/ec2/;
- The 2010 Cloud Networking Report; by Dr. Jim Metzler Ashton Metzler & Associates, Webtorials Analyst Division;
- What Every CEO Needs to Know About The Cloud; by Andrew McAfee, article originally appeared in Harvard Business Review (reprint #R1111J);
- Top 100 Cloud Services Providers (CSPs) List And Research, http://www.talkincloud.com/tc100/;
- Dsa-Research.org http://dsa-research.org/doku.php;
- RG Cloud Group http://research.spec.org/working-groups/rg-cloud-working-group.html;
- Future Computing Group http://www.cs.kent.ac.uk/research/groups/future/;
- STACC - Collaborative Research in Cloud Computing http://www.cs.st-andrews.ac.uk/stacc;
- Cloud Computing in India; A CIO Research Center Report, Supported by MICROSOFT;
- Making Cloud Computing Safe; Trust, security, resiliency, availability and complexity; Donald Kneitel IBM Global Technology Services.

Index Terms

- Computer Science
- Information Sciences

Keywords

- Cloud Computing
- Virtualization
- Cloud Migration
- Cloud Providers
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Group