

Editorial Note on Trend of Cloud Computing

Chinthala Mounica*

Department of Computer Science, Osmania University, India

Editorial Note

Cloud Computing has recently been recognized as one of the most emerging technology. A considerable amount of research has been carried out to explore different areas in Cloud Computing. Few areas including reliability, security and business value of Cloud Computing are yet to be explored. We would like to presents a brief summary on the analysis of current gaps and new trends in cloud computing based on information systems literature, industry reports, and practical experience reflections. Moreover, it highlights the significance of cloud computing and its implications for practitioner and academics.

Cloud Computing is making a significant impact on Information Technology (IT). It is not merely a technology concept but also a new approach of implementing electronic commerce. An idea that computing is used similarly to the way of utility consumption (e.g., electricity), is to revolutionize the development and delivery of IT services.

IT teams were required to support the information systems infrastructure. A rapid growth in technology challenges for companies to keep with the most up to date and current technology. In order to be with the pace of the market, companies continuously spend time and resources in IT to remain competitive.

Generally, customers are attracted towards the promises of Cloud Computing that include but not limited to enhancing IT resources with small upfront costs. It is suggested that companies all over the world might be slowly resizing their in-house IT infrastructure and have started using computation services available on the Internet to meet their organization needs.

Cloud Computing is one of the most important technological shifts within last decade. In recent years, computing has become an inexpensive

commodity that is reachable and affordable to many business and individual customers. This appeals to many companies, whether small or large enterprises, because with less upfront cost than the traditional way, no software and hardware to buy, and very few things to manage, they could achieve increased level of robustness and get benefit of built in redundancy of Cloud Computing environment.

Cloud Computing includes three types of models:

- Software as a service (SaaS)
- Platform as a service (PaaS)
- Infrastructure as a service (IaaS)

In recent years, four models are proposed to convey Cloud Computing: First model is referred to as public cloud, Second deployment model is referred to as private cloud, the third type is called community cloud, and the fourth type of model is referred to as hybrid cloud.

Some of the cloud computing market trends

- Private Cloud
- Cloud Services utilization using Smartphone
- Open Source Cloud Computing

Cloud Computing is transforming the world of electronic commerce. There are many cloud providers that promote different cloud services that can be used to host different applications.

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*Address for Correspondence: Chinthala Mounica, Department of Computer Science, Osmania University, India, E-mail: chinthalamounica93@gmail.com

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