Big data is a key concept that cannot be overlooked in the IT world considering the prominent increase in data, and data related services, it is important to explore this field and look at ways to improve data service delivery especially in the cloud. Cloud computing on the other hand helps in tackling the issue of storage and data service.

This research focuses on the two key concepts big data and cloud computing and some of the issues and challenges that are inherent with the deployment of cloud services and big data. The study shows that security challenges are among the most prominent issue in cloud and big data services. The plumbing issue and some other issues such as the issue of the cost to run cloud services in handling big data were observed. Also, the issues of service level agreement which gives an organization the assurance of enjoying all services rendered by the organization running the cloud services.

After considering some of the issues associated with big data and cloud computing, some
solution were suggested towards improving the two key concepts which will go a long way in increasing the adoption rate of cloud computing by organizations. It is important for organizations to consider the nature of how their data will grow in the future before deploying any cloud service in their business.

References


**Index Terms**

Computer Science          Distributed Computing

**Keywords**

Big data, cloud computing, virtualization, and Data Services.