

For developing countries like Bangladesh, this technology aims to provide the clients a cost effective and convenient means to manage the huge amount of IT resources and thus offer strong possibility of accelerating social and economic development, even in this time of limited resources. As the information technology industry goes through a major shift, founded on the Internet as a platform, new opportunities for Bangladesh are open to employ technology at a lower cost and with much greater ease and success than in the past. The Main purpose of our strategy is to help organizations of public and private sector in Bangladesh to adopt cloud computing technology opportunities and prevent its obstacles through our proposed framework. In this article, we tried to assess different aspects and strengths, weaknesses, opportunities and threats of these strategies for Bangladeshi organizations and enterprises. In addition some recommendations are provided for Bangladeshi organizations and enterprises to help them to adopt cloud computing technology.

Bangladesh has now gained the capability of being the new big market of the cloud business as big hot IT startups are potentially growing here worthy to be billion dollar companies. Cloud computing is playing a massive role to grow these companies not only in Bangladesh but all the third world countries.

The Cloud Scenario of Bangladesh

With the vision of digital Bangladesh, the usage of the internet has been growing tremendously in Bangladesh. From general people to big corporates and even rural area farmers, the Internet is becoming a part and parcel of everyone's life. People are storing and sharing all the important data through the internet.

But even a few days back this scenario was not very much normal. Especially big companies who have a need for storing a big amount of data were dependent on classical methods. They used to write them in papers and file them to store as storing large data needed additional computers and the internet was not affordable for most of the companies.

To be more elaborate if an organization wanted to store and process large amounts of data it had to either buy computers or build or rent space in a nearby data center, a warehouse-like complex with industrial sized air-conditioning, generators, redundant fiber network connections, security services, and so forth.

But cloud computing service has changed this scenario for good. Companies are now investing their money on cloud services rather than buying on-premise infrastructure. This new dimension is helping them to save a lot of capital expense and operational hassle.

Specially Startups which are new in the business has a limited amount of resources. It was never easy for them to spend money on big infrastructures for cloud computing. That's why most of the small companies and startups were lagging behind in data accessibility due to this technological drawbacks.

Cloud services of present times have brought the solutions to them. Now businesses can subscribe to any good cloud service provider and enjoy the benefits of cloud computing. It has limited expense and free of any technological hassle.

With cloud computing technology, the market is getting mature globally, including in developing countries. In the last few years, Bangladesh has also developed rapidly in the cloud industry.

For example, big companies are now getting digitized. Under the process of digitization, they are automating their workflows and business process. ERP, Business Intelligence these services are widely taken by companies nowadays. Interestingly, all the big companies are hosting this enterprise software of them on cloud as the amount of data is so big and security is a big concern for them.

City Bank, one of the country's leading commercial banks, has been using cloud computing in Bangladesh to simplify, streamline and automate its business processes with increased visibility into its financial and human resource operations.

Dulal Brothers, one of the largest diversified groups of companies in Bangladesh, is using Cloud applications for their end-to-end human capital management across the organization for thousands of employees while the organization leads in strategic procurement, budgeting, and HR transformations.

Companies like ACI, Robi, Eastern Bank etc. are few of the so many giant companies who have considered having cloud services in their company. Not only big companies but also local well-known startups like 10 Minute School, Pathao are also using cloud services to store and share their data.

The scenario thus clearly demands a clear picture of the market opportunities available and the expected future of cloud in the country.

The Future of Cloud Computing in Bangladesh

Industry analysts predict that more than 50 percent of all enterprise data will be managed in the cloud and 80 percent of application operations will be resolved autonomously by 2020.

Organizations are increasingly adopting cloud-based management solutions. According to the recent IDC Vendor Spotlight survey, 50% of the users planning net-new IT operations analytics solutions want to move from on-premises to cloud service-delivered solutions.

Public cloud-delivered system management revenue grew 46% in 2016. Strong growth of public cloud-based solutions is forecasting and to be continue through 2020 with revenue expected to more than double from 2016 levels. These numbers totally show the euphoria surrounding the crowd in the IT sector about cloud simply cannot be undermined.