

OPPORTUNITIES OF CLOUD COMPUTING

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Abstract: Cloud computing is not a new technology, but rather a natural evolution efficient using and combining several modern technologies, computing, data storage and internet working resources have all been put into a novel context and consequently, transformed into services. HR teams or often not all based in the same place .additionally many people network remotely ,per given by companies to appeal to those wishing to avoid a long commute or who don't want to place young children in day care .having employees work from is also environmentally friendly, since it reduces the number of cars on the road ,however it can be very costly for business to set the these employees up with their own hardware and software license and it can also be logistically difficult to service both hardware and software when an employee is not situated in an office with office, with an in house IT support team available. This of course leads to one of the main benefits of using cloud computing applications.

The paradigm in cloud computing is based on an old commercial approach – on demand pay per use –In which you better a rent service for a specific period of time instead of buying the support infrastructure (utilities included) building a solution and administering it all by yourself the cloud services providers promise reliable and configurable resources, made available promptly to consumers with a minimum effort and involvement on their behalf. .

Index Terms- Remote, Software, Logistic, Technology, Reliable, Consumers, Evolution, Infrastructure, SME, Guidelines Cloud Computing.

I. INTRODUCTION

There are a number of technological drivers that are affecting the way interaction design is currently evolving. Even more than artificial intelligence and virtual and augmented reality, cloud computing has become the new norm for information technology (IT) in all kinds of companies. The First Came On The Scene, Channel Partners Steered Their Clients To Migrate Business Applications. Today, Deploying Cloud-Based Apps Such As Office 365, Sales force, Service now, Drop box, And Workday Has Become The De Facto Standard For Cloud Computing. Yet Simply Focusing On Business Apps As the Primary Cloud Play Is No Longer A Differentiator For Channel Partners. As The Cloud Model Of Delivering It Services Continues To Gain Traction, Channel Partners Seeking Growth Can Turn To New Opportunities, Namely Cloud Networking, Managed Clouds, Cloud Monitoring, And Cloud Security.

According To It Market Research Firm Idc, Half Of All It Spending Will Be Cloud-Based By 2018, And By 2020 Spending On Cloud Services, Including Related Hardware And Software As Well As Services For Implementing And Managing Cloud Services, Will Surpass \$500 Billion.

II OPPORTUNITIES AND CHALLENGES INVOLVED IN CLOUD COMPUTING

- **Availability** is the key feature for selection of any **cloud hosting service**. It is degree of ability of a system to operate, i.e. to generate timely responses for the respective requests. It replicates the need of storage and servers. High availability is an important factor for modern cloud based applications and devices. It is a challenge for maintaining availability of a system by balancing the offset between other system parameters.
- **Scalability** along with high availability is key factor in **cloud hosting services**; cloud should be auto scalable i.e. must support vertical and horizontal scaling, is the requirement of the day. However, this does not help in improving availability of the system. It's important to maintain the tradeoff between availability and **scalability** in cloud computing.
- **Elasticity** is the art of balancing load with cloud computing in real time. When the load is increasing, it must have ability to grow and with decreasing load, ability to shrink. It is important to maintain offset between scalability and elasticity. For advancements in Cloud computing, different approaches are taken by **cloud companies** to stand out. This brings new challenges in catering valued services for clients. With latest research, cloud is adopted by varied sectors. It has catered sectors like Health care, Hospitality, Communications, Entertainment, E-Commerce, Universities, etc

III ADVANTAGES OF CLOUD COMPUTING

3.1.Cloudcomputing consulting

Many individuals and businesses are becoming aware of the benefits of cloud computing and its advantages over traditional storage methods. But most people feel completely at sea when it comes to understanding how to move their systems and files onto the cloud storage platform. You can make a lot of money helping such individuals and businesses migrate to the cloud.

3.2.Tutoring

For security and other reasons, many individuals and businesses would fret at the idea of hiring a freelance contractor to help them with their migration to cloud. Rather, such individuals would prefer to learn how it works, so that they can handle the migration themselves.

Similarly, many businesses would prefer hiring you to train their in-house staff on the application of cloud computing. So, you can make a lot of money from just teaching people how to apply cloud computing to their businesses.

3.3. File hosting

If you have the required background and expertise, then you can make a lot of money by setting up your own platform for helping people hold their files in the cloud. That is, you can set up a cloud storage solution like Drop box, Google Doc, Amazon AWS and Ever note, and charge people for helping them hold their files.

IV Future Trends in Cloud Computing

4.1 Growth in Cloud Services Solutions

Cloud computing future growth all began when the growth of infrastructure as a service, IaaS, and platform as a service, PaaS, expanded the number of cloud solutions available in public and private sectors. As IaaS and PaaS continue to be used worldwide to achieve diverse goals, we will see these solutions as the most deployed cloud services around the world. Cisco predicts that SaaS, software as a service, solutions will account for more than 60% of all cloud-based workloads this year. They also predict that PaaS and IaaS solutions will increase throughout 2018. Any business looking to simplify their operations and make services easier to access for customers will most likely move toward cloud services solutions.

4.2 Increased Storage Capacity

A huge aspect affecting the future of cloud computing is the amount of storage cloud computing will offer companies and individuals. This growth is because many businesses are adopting cloud technology as a huge part of doing business. It is predicted that providers will bring more data centers online with larger-capacity storage equipment throughout this year. Cisco estimates the storage capacity of the cloud will double this year alone. With this increased storage, more businesses will be able to store large data sets and perform analytics using cloud computing. Being able to perform analytics on this massive amount of data will allow companies to gain valuable insights into customer behavior, human systems, and strategic financial investments, just to name a few.

4.3 Introduction of the Internet of Everything (IoE)

Most of us have heard the buzzword, internet of things, IoT. With continuous innovations in real-time data analytics and cloud computing, we will see the newest technology buzzword, internet of everything, be used more often as 2018 progresses. Cloud computing will play a major role in the way IoE develops as it relies heavily on machine to machine communications, data, processes and the way humans interact with things in their environment. A major trend we will see this year is the significant role cloud computing will play in IoE's ability to simplify all interactions.

4.4 Enhanced Internet Quality

The quality of the internet has been getting immensely better every year since it was created. 2018 is expected to be no different, as the amount of data generated and stored around the world increases. Customers today already expect high-quality, fast-loading services and apps and this expectation will enhance network quality and cloud computing. This high-quality expectation will also lead businesses to upgrade their platforms and services to be more responsive to the needs of their customers. As the quality of the internet is enhanced, IoT and IoE industries will benefit a great deal from the faster network speeds and the ability to receive and deliver data more efficiently in real time.

4.5 Cloud Solutions to Security Challenges

One of the most important cloud computing trends 2018 will see is the increased solutions the cloud will bring to security. 2017 saw the most cyber-attacks ever recorded in the history of the internet and 2018 should be no different. Many experts predict 2018 will see more individual and state-sponsored attacks aimed at undermining cloud infrastructure security. Cyber-attacks are also becoming more sophisticated which means anyone in charge of their company's security will need to become more sophisticated in the way they detect and prevent these attacks. Cloud services will be able to help companies with their security measures by offering managed security services.ew platform

V CONCLUSION

There are many more players in the on-demand market that many reports acknowledge. These range from basic infrastructure offerings (IaaS), through platform support (PaaS) to full applications (SaaS).The long term cost of ownership may at first not seem to add up, but take into consideration other factors such as reduced risk and added value and for many organizations on-demand services make a lot of sense

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