

E – Governance: A Successful Implementation of Government Policies using Cloud Computing

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ABSTRACT

In the recent years, there has been rapid growth in E – governance. The information and communication technology is the strength of character for majority of businesses today, E – Governance has become a vital scheme for companies in procuring quality of services from an experienced service provider. E – governance being one of the important source of information and communication technology to transform the competence, success, simplicity and answerability for exchange of government, between government and various governmental agencies of National, State, Municipal and Local Levels, citizen and business to authorize citizen and also empowers citizens by giving right to access the information. The aim of this paper is to survey the essential attributes of governance – centric plan under the sign of excellent e – governance and describe a style for ensuring the successful e – governance implementation.

Keywords: Cloud Computing, e – Governance, G2G, G2B, G2C, G2E.

1. INTRODUCTION

In today's scenario the atmosphere of changing requirements need to place an independent problem solving techniques which include the proper use of software, platforms, and scalability of good communication. The E – governance provides such environment for the greatest use of possessions. This will lessen the duplicacy of hard labour all the way by centralizing and regularizing of setup of ICT and reduce the cost to a great amount. The strength of successful implementation of e – governance always requires an effective running of cloud – based communication as compare with the old method is not effective for successful implementation of government, within the environment is friendlier and based on latest green technology. The implementation of e – governance and the cloud computing altogether prove to be best in providing the better improved facilities to the citizens and the stake holders.

2. CLOUD COMPUTING

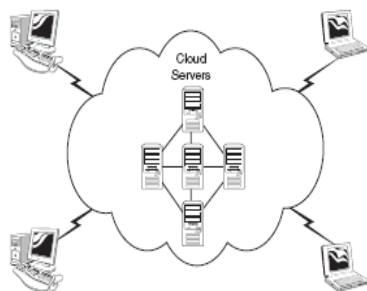


Fig 1 How user connect to cloud

Cloud Computing is a replica that generally defined as all the possible combinations of scalable and virtualized resources like networked computers, data servers, data storage systems and high speed network etc. to provide episodic computing services. There are four mainly cloud services which are available:-

Infrastructure as a Service (IaaS): In this, the user shares the cloud communication but does not manage or control, it make normally appears like a virtual machine to place and run unsystematic software, and has limited control over operating system, storage space devices and deployed necessary applications.

Platform as a Service (PaaS): The computational resources by a means of stage upon which various run time applications and various services and software's can be developed and hosted. The few platforms are operating system, managed database, system services and middleware services etc.

Software as a Service (SaaS): It provides on demand function software's implements on required cloud communication.

Database as a Service(DaaS): It provides database to the clouds so that database can be used by any of the server applications.

The cloud computing is dividing into three types namely private, public and hybrid. Whenever the cloud is owned and managed by an individual group for its own personal use, it is known as **private cloud**. It is handled by a company itself or it can be outsourced to the third party or company. **Public Clouds** are owned and managed by other companies or organizations which provide the cloud services to its various eminent clients using the same cloud resources. Lastly a **Hybrid cloud** is the combination of private and public clouds where a group conducted the protected and necessary serious applications on private cloud.

3. CLOUD COMPUTING & E-GOVERNANCE

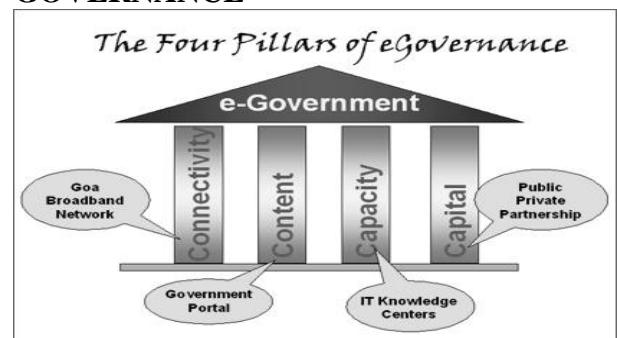


Fig.2 Four pillars of E - Governance

The technology and cost factor both benefits mutually result into a outstanding and possible skills. Cloud computing is spreading its root in the government departments is

remarkable due to its integral features like scalability, high maintenance cost, security, disaster recovery and switching to new software platform by using latest and advanced technology. The governments of various countries have unstated the importance of cloud computing for the successful implementation of governmental policies. The formation of nationwide information centers, providing highest and strongest bandwidth to the citizens and various others e-governance services etc. are the few important steps to be taken by India for making the country moving towards progress. It sets the criteria between urban and rural masses and removes all the necessary troubles and provides the advantageous background at the affordable cost. The form and direction of citizen based communication should be good, easy to use and work and should create a balanced slab for its citizens. A well planned cloud based national e-governance style, use of sensible electronic gadgets for citizen to government communication, and also spread out the centrally monitor information which is of great use and provides great technical skills so that decisive decisions can be taken by the government.

4. E - GOVERNANCE

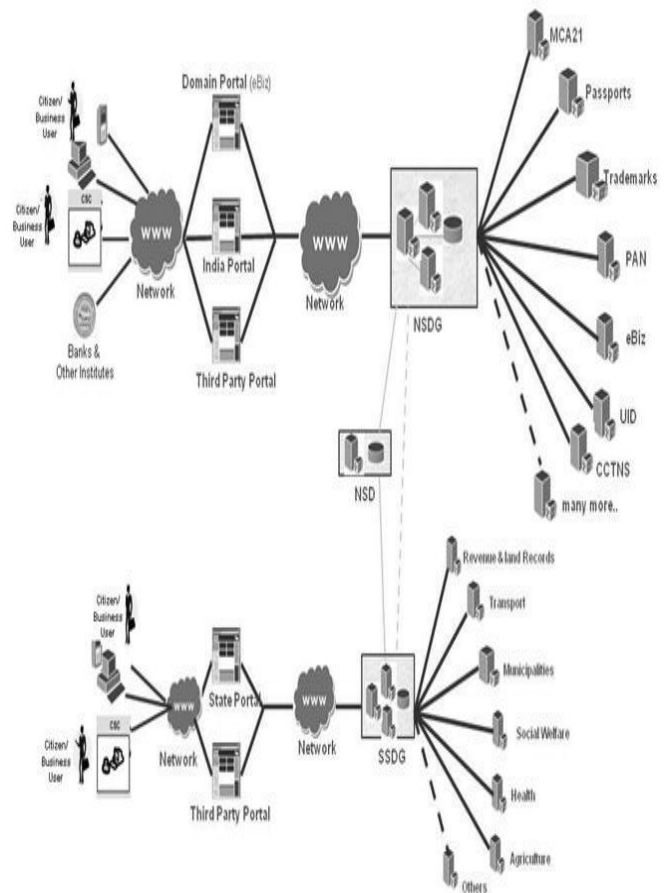


Fig.3 Government portals for using E – governance.

Few years back the work in the government department is so slow and time consuming. With the development and up gradation in the technology the computerization of almost all the department make their work in fast and reduce the paper work. The increased knowledge and clearness among citizens about the privileges demand more sincerity and smooth functioning of the government department and also provides the right to utilize the resources that in real help the government in improving the e – governance necessities. As we all know that e – governance is the application of Information and Communication Department to provide more benefits to the governmental services, improving relationships with its citizens, financial trades and other important function of government.

5. BENEFITS AND ADVANTAGES OF CLOUD COMPUTING FOR GOVERNMENT:

1. **Reduced cost:** - It will drastically reduce the cost of infrastructure, internet services and provide the updated and refined information can be accessed from anywhere in the various remote locations as well as the critical and important data can be shared among the different government nodal agencies frequently.
2. **Allows IT to shift the focus:** - It allows us to change the focus of the IT department by switching the new technology and make the use of proper utilization of resources.

6. ADVANTAGES OF CLOUD COMPUTING FOR CITIZENS AND BUSINESS:

For utilizing the best benefits of e – governance, citizen learning method to examine the freedom is compulsory. In this loom, the main plan is to target and builds an ideal system which is able to accomplish all the needs of the citizens.

7. CONCLUSION:

On the need of persist service, make the society and system easy to use, place free from resource pooling, faster flexibility and calculative service are some of the strongest and outstanding features of the cloud computing for an effective e – governance. The people based and centric approach of the government will get the people come close by giving or providing the term facilities for the benefits of the citizens. The cloud computing paved one of the important way in the progress of the government by introducing various large projects which help the government in making their department and their portals cheaper strongest and vigilant for the benefits of the common people. The Government of India nowadays started an impressive National e – Governance Plan(NeGP) with the purpose to

8. REFERENCES

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