Cloud Based Virtual Organization

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Abstract – *Virtual Organization is a way to work co-operatively with geographically dispersed individuals, industries, persons, business era. They have sharing capabilities. They share resources, expenditures as a unit by using Information and Communication tools and its recourses.*

Key Words: Virtual, Organization, Cloud, Information strategy.

1. INTRODUCTION

In recent days technology comes to taking a new form. The one who is not ready to change will be vanishing in this new world. Industries are going to increase rapidly. So everyone want to be modern, everyone is searching modern ways for living life. How can industries live the same, long, boring, traditional ways? It should be replaced by smart one. Here is solution for smart life for industries i.e. virtualization. Virtualization is the only one way for becoming modern, smart and intelligent. Continuous changes in the environment with the development of constant technologies results the newly emerge form of business. Virtual Organization is a collection of independent, geographically wide spread, special form of business unit [2]. There are various resources available in information and communication technology. This technology requires a specific way for implementing Virtual Organization. So Virtual Organization can be effectively adapted and implemented. Today the famous and very popular way or services for Information and communication technology is use of Cloud Computing. The purpose of this project is to give an information strategy to virtual organization based on Cloud Computing.

Aim of this is dynamic changes; continuous improvement can get accepted by whole unit. Therefore Virtual Organization joins various companies, industries for working co-operatively as a unit. This togetherness of various industries or companies can adopt various opportunities in market. The development of virtual organization permits the combination of various resources of their partners. These assets can be in any form. It can be in the form of human. It can be in the form of recourses or in the form of information or various assets like financial, materials, etc. Virtual Organization permits their partners to jointly work on their work; market orders which cannot be succeeded if they are going to work alone.

2. LITERATURE SURVEY

New form of information technology is service delivery is Cloud Computing. By using cloud computing there is vast progress in Information and telecommunication technology. As cloud computing use increases there is growth in internet access by broadband, vast competitions in industries, and specially quality of IT services. Cloud computing is a pool of computer infrastructure. It is capable of hosting end customer application. By use of cloud computing you can use the resource application, backup, processing power, and storage of data tools for development for shore you get everything as a service by internet [5]. All the different resources like network, servers, application, etc. Which are available in cloud computing are paid to the customer according to actual use i.e. pay for what have you used. The most essential condition for using cloud computing for using cloud computing services is you need to have electronic devices (PDA, laptop, mobile, PC) with internet access   Cloud computing service provider provides resources by the use of virtualization regardless of the physical location. There are some cloud computing deployment models types they are public cloud, community cloud, and hybrid cloud. Delivery model of cloud computing are Infrastructure as a services, Platform as a services, Software as a services and there are number of services on internet. They are-Email as a services, Achieve as a services, Communication as a services, Business process as a services

2.1 Information strategy in virtual organization

While achieving business goal the question is with information strategy what to do? Which solution to the information is needed? Where is the potential source of information? Who will be responsible for the information and communication technology organization & overall operation? Solution for above all question is shown in Figure below i.e. Earl's information strategy framework.

Fig -1: Earl's Information strategy Network

In case of information system strategy in virtual organization software as a services model plays important role [16].

3. PROPOSED SYSTEM

The essential condition for success in virtual organization is compatibility & information strategy with the business strategy. While using efficiently ICT, enables effective cooperation with joint execution of client order and for receiver added value.

According to Earl's proposal information services transferring & designing business process effect the formulation of virtual organization strategy that is business information, information strategy, information resources & information management [11]. Every strategy has their own different character. Which require separate approach & for other issues. When we are dealing with information strategy in VO top down should be used. In top down approach higher authority identify what are the objectives of business, critical factors & assign the roles to their lower authority. We can also use bottom up and inside out method for implementing Virtual Organization to recognize, understand & evaluation the work. When we consider inside out method it's full of opportunities as well as risks, it also allow cost reduction. But VO is specifically depending on complexity of product, tasks, clients need, partners, and time period. So by considering all these factors top down approach are better for the Virtual Organization system implementation.

Virtual Organization has no meaning without the network. By using cloud computing we are going to make

application accessible anytime, anywhere, no limit of place, location[17].It reduces overhead of using mobile, email continuously. You have chat corner so all the conversation; meetings with your team can be done. Sharing of files, documents, images, pdf, text files all you can share on the same platform [21]. Project manager launches upcoming project, current project, makes team assign task for them. Higher authority can see the availability of employees; can change the project of employees by changing the team according to availability of work. All the employees have to do work which have been assigned to them. If they have difficulties then they can use chat corner, file share or can take advices of authority, experienced person.

4. CONCLUSION

Cloud computing services are the most appealing and advancing model of companies' computer backing. Cloud computing appears to completely fitting the requirements of virtual organization curious in material and non assets backing their information approach and their synthesis with business strategy. The crucial aspect of cloud computing performs in the field of information system strategy. The plenty minor appearance performs in the strategy of the information technology and information assets strategy. An ample scope of discern cloud computing solutions and their simple using, composed with the cost accumulate for the real use of mutual IT services, permits virtual Organization integrator in a rapid and less costly form, to make strategic judgment with reference to the addition of the services needed of ICT. The judgment to use in the virtual organization information strategy, a cloud computing solutions, should consistently anticipate through study of profit, expense& liability. An in-detailed analysis of the advantages& disadvantages of cloud computing will let in the right way to select IT solutions for achieving goal of the information strategy integrate with business strategy and the resultant impact on the active implementation of customer orders, and accomplished by Virtual Organization in a dynamic business era.

5. FUTURE SCOPE:

The unexplored & interesting area of Virtual Organization is the bonding of different compares with variety of product to get together & offer them through virtual e-commerce operation. For example, if your company specialized for wedding dresses. You want to increase your business into all the variety of wedding dress in various countries, religions but you have lack of resources and experiences so you can

able to start a website or an application with links to different service providers. You can build online partnerships or rental companies or printing services or even travel agency for honeymoon booking. So just from making of wedding dresses your business expanded till your limits.

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