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CLOUD COMPUTING

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Abstract-Cloud computing is a very popular term in the modern computer world. It provides service over the web instead of customer owing and buying. It is a large group of interrelated computers. Over a decade of research, it has achieved virtualization, distributed computing, utility computing and networking. It creates service-oriented architecture by providing software and platform services.

I. INTRODUCTION

Cloud computing is the next step in evolution of information technology services and its products. The Cloud is the implicit comparison for the Internet, based on how it shows picture in computer network diagrams, and is an abstraction or layout for the complicated infrastructure. These computers can be Personnel computers or servers that can be public or some times. In this situation the data will be available for the other users. This will be available on different servers to access the data. Anyone with permission can access the document and it can edit and modify itself.

private. Cloud of computer arise from a single company. The data served by the cloud computing may help users. This can access the documents from the other computers on other networks. If any problem occurs the computer may crash

ACRONYM

API Application Program Interface IT Information Technology

NLP Natural Language Processing CNN Convolutional Neural Network LSTM LongShort-term Memory

NLNN Non-Learning Neural Networks WAN Wide Area Network

DSBS Dual Sensor Brake Support

LAN Local Area Network

ANN Artificial Neural Network

VPN Virtual Private Networks

OLAP Online Analytical Processing OLTP Online Transaction Processing DMS Database Migration Service Development

WORKING OF CLOUD COMPUTING

Today computers are used in the government sectors, industries, military, railways. A group of computers work as a single computer to provide and data and other applications to user on the internet. This provides a vast storage capability and large-scale group of collaboration. In order to solve the problems like analysing risk in medical facilities and financial sectors, even in computer games the users may trap through web. The large networking group of servers uses only low-cost customer PC technology. It includes specialized data

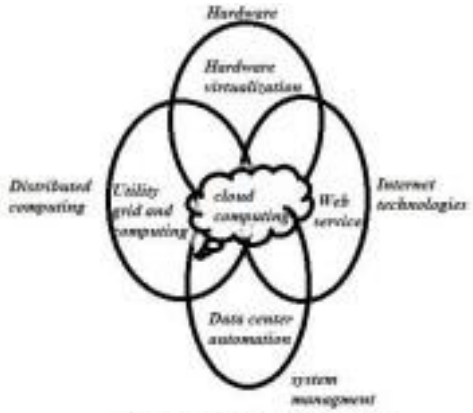
connections. Local computers have to do very heavy jobs when it comes to running applications. Instead, the network can handle both hardware and software users, which can be as simple as web browser and the server will take care of it by running all the programs.

TYPES OF CLOUD COMPUTING

Community cloud- It is established where many group of institutions have same requirements to share the infrastructure so as to realize the profits of cloud computing

Public clouds-These environments are typically created from the IT infrastructure that are not owned by the end user. All clouds become public clouds when the environments are partitioned and redistributed to the multiple tenants.

Private clouds-These environments are dedicated to a single end user or a group, where the environment usually runs behind the user or group's firewall. All clouds become private when the underlying IT infrastructure is dedicated to a single customer with completely isolated access.

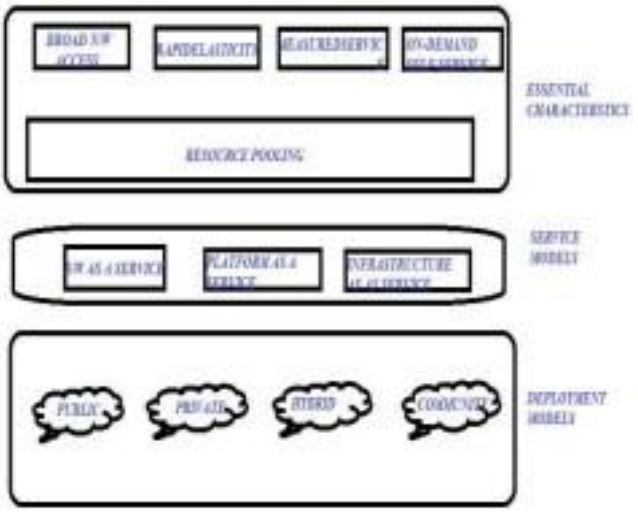


Various advances of cloud computing

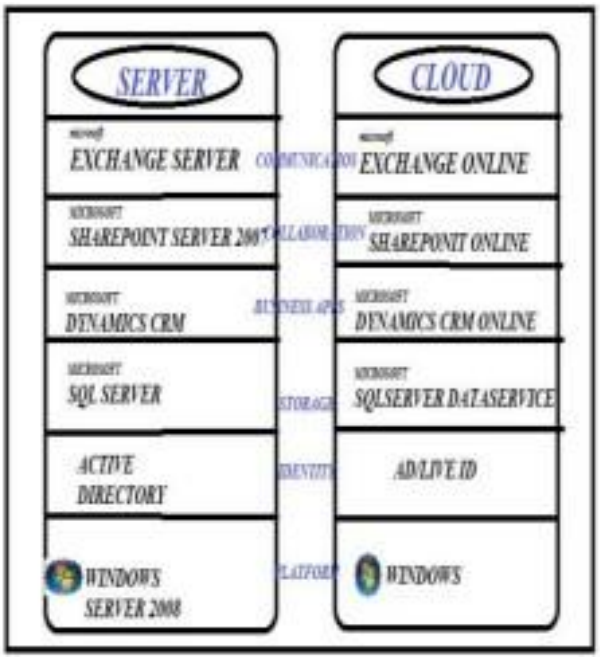
Managed Private clouds- These are cloud delivery options that helps the enterprisers with an under-skilled IT teams that provide a better private cloud services and infrastructures.

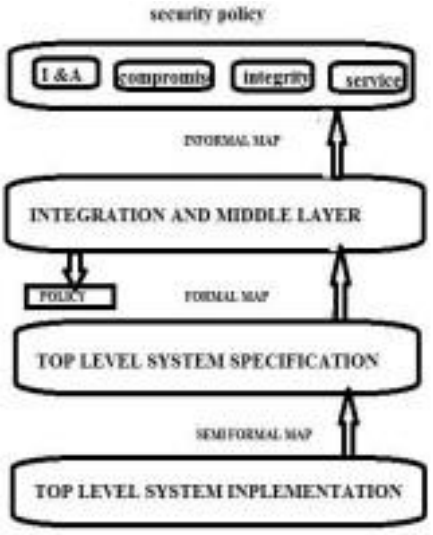
Dedicated clouds- It is a cloud within another cloud. We can have a dedicated cloud on a public cloud or a private cloud.For example: an accounting department could have its own cloud within the organization's private cloud.

Hybrid clouds- It is a single IT environment created from the multiple environments connected through LAN, WAN, VPNs and APIs



COMPARISION OF CLOUD AND SERVER





PROCESS OF INFORMATION SECURITY IN THE CLOUD

ADVANTAGES

• Cloud-technology is paid incrementally.

You want to pay if u

needs anything so it reduces cost.

- Cloud provider will provide security and

prevent from the unauthorized access.

- Storages very large and vast data than on private pc's.
- Users can retrieve and access the information whatever they want rather than to remain at their desks.

DISADVANTAGES

- Internet connection is required
- Low speed connections are not recommended
- Data storage is 100% in the cloud
- Sometimes it is slow

CONCLUSION

Cloud-computing is a new computing paradigm that is increasing popularly day by day in industries such as Microsoft, Google, IBM, have provided their ideas in promoting cloud-computing. In study of cloud

computing, I found that there is very different focus on the needs of the present community. Multinational companies are creating their own versions of cloud. The cloud-computing will provide super-computing power. It will extend through one single company. The data served by the cloud is available in the cross

Platform

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