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Title: Virtualization in cloud computing.

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Q. What is virtualization? How amazon help organization using virtualization?

Ans. 1) Virtualization is the creation of virtual servers infrastructure device and computing resources.

2) It changes the hardware - software relations is one of the functional element of cloud computing technology that help utilize the capability of cloud computing to the full.

3) It allows the companies to turn virtual their network, storage, server, data, desktop and application.

Type of virtualization:

- i) Hardware virtualization
- ii) O.S virtualization
- iii) Server virtualization
- iv) Storage virtualization

Benefits of virtualization

- i) Security
- ii) Flexible operations
- iii) Economical
- iv) Eliminates the risk of system failure
- v) Flexible transfer of data.

- Amazon Elastic cloud compute instance are the central part of amazon.com cloud computing platform, amazon web server (AWS).
- An instance type determine the hardware of the host compute used each instance type offers different compute and memory capability.
- EC2 allows, scalable deployment of application by providing a



web service through which user can boot an AMI to create a virtual machine which amazon call instance containing any desired software.

AWS supports two different type of virtualization for EC2 instance.

Q) Explain different type of virtualisation in cloud computing.

Ans. Types of virtualization :

i) Application virtualization

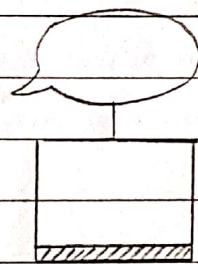
ii) Network virtualization

iii) Desktop virtualization

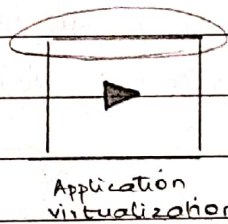
iv) Storage virtualization

v) Server virtualization

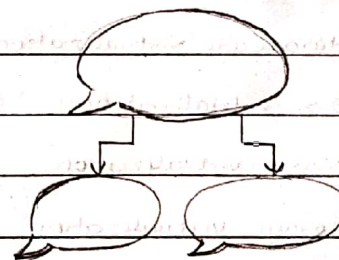
vi) Data virtualization



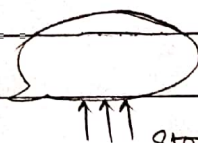
Desktop virtualization



Application virtualization



Network virtualization



Storage virtualization

\* Application virtualization :

- It helps us to have remote access of application from a server.
- The server store all personal info. and other characteristics of application.

\* Network virtualization :

- The ability to run multiple virtual networks with each has a separate control data plan it co-exist together on top of one physical network.

\* Desktop application virtualization :

- It allowes the user to be remotely attched on server in data center. if allowed the user to access the desktop virtually.