## oimp \*

- 1. Sorvice oriented Architecture with a diagram
- 2. Explain Saas, Paas, Iaas with its features
- 3. Explain Elastic compute cloud (EC2)
- 4. Explain the concept of an demand computing
- 5. statch the cloud onchitecture.
- 8. Explain vintualization in cloud.

 $\mathcal{I}$ 

1. Vintualization (Mily Howland includes l'Hardware tostonagent, nos, Network mesources etc. ability which allows wishoning the physical instance of a single application or resources to among to multiple organization or were main usage det pritarintualization ou Technology of the provide the applications with the standard versions to their construction Types of vintualization J. Solvel virtualization 1. Hordware vintualization software of vintualive machine manager of when with printing printing belief in the hoodware of systems is known as the manager of the machine machine manager of white machine manager of white with the standard on the shootware of systems of the conduction of the standard on the shootware of the machine machine manager of the systems of the standard on the shootware of the systems hardware viritualization the main job of hypervisor & to control and monitoring the main in the main in the main was defined and other bandware cresowices of an advantage cresowices of an advantage cresowices of an advantage cresowices of a contract contra Handware vintualization is mainly done for the server plat forms, because controlling viritual machines à much earner thornoto. Controlling tott of words species trouter at the controlling tott of words stage from multiple network stage derices like of Single Stronge deville.

2. Operating System virtualization matagliadiniv. & when the vintual machine profession for wintual machine manager (umm) is installed on the proof Host 20 prating system instead of directly mitte hordwork system is known as 05 Printed lizettonicion to molarifyo upria to to sudari Now to mitigation of William platforms of os. Morror brokens at this working on Cost pole stray to appr 3. Server vintualization managet (v mm) is also it without of vintual machine software of vintual machine managery (v mm) is directly installed on the bestiver system with managery (v mm) is directly installed on the bestivery of ( MMV) worth individual send tox wage continous boso loutes at a louvery of doi winded server can be divided Servers on the demand basis and to balancing multiple the load truly lours: att of end plaining a conting illustric according. 4. storage vintualization à avidour lastire prillettre of strage viribialization is the process of grouping the phyrical stoage from multiple network storage devices so that lit looks like a single strage device.

-> storage vintualization is also implemented by using software applications.

wack. Stoage rinterchization is mainly done to back-up and no Covery purposes.

## Advantage

- 1. Se curily
- 2. Flexible operations
- 3. Economical
- 4. Eliminatus the nisk of System Liliuse
- 5. Flexible transfer of data

## Disadrantagy

- 1. Data can be at Risk
- 2. Learning new Infrastructure
- 3. High initial Invertment.

cloud comporting the butter low Front End - Fint front and wedd by bette ichentroloided priding to be to required the oraccus therein clouding computing platforms. That are Back Ends - vivre to miterializas p à composition et service - chads. of the back end is used by sorvice provider. + it includes a larger amount of data stronge, security marchanton, vintual machiner preserver , etc Component of claud computing Architecture client infastructure > client In kas tructure & a front end component it provides QUI (Graphical user Interface) to interpret with the cloud. ( (in it with on) Application the application may be in any software or plut town that a client want to actus. (bud > mitrus) s locacle Sorvi Q > A cloud services manager which type of service you access according to the chent's requirement. a) software as a service (soas) b) platform on a service (Paa) (I aas )

2 stolage on Bone of most vorimportant or composents of cloud computing, it provides a huge lamount of storage apacity in the cloud to store and manage data.

## Infrastructure

-> it provides services on the host level, application lovel, and network level. of it includes handware and software components such as sorvers, storage, return L devices etc.

Management

- management is used to manage components such as application, sorvice, nuntime claud, stoage, infrastructure and other security insues in the backend and extablish coordination of them.

> security is a in-built back end component of cloud se curily computing. it implements a security mechanism in the backend

In ternet

- Interest is medium -through which front end and back end com interact and communicate with each other

Runtime cloud provides the execution and rutime environmente to the trintial machines. whire in the cloud to store and manage that. In pare hu c like Ind nothing of the host book of the Lond to Least book of the Lord disorder 1/2/. - includes tractanone and software compared and as sorrord, storage, retact doiled etc. Manergeneut of waisdeward is man a manade amberning such as Hichien service monthing cloudy stonge, infrastructure and other why issues in the hackend and establish cooder, here if there buds to framposon bust back and compount of thus bushed in mechanism in the backend tone tous troop double of pounds multipun & traduct will done this training out troud in and has