Q1) what is Amazon S3 service and explain the different components and its behaviour.

Ans) Amazon 33, ->

Amazon Simple storage service ['Amazon \$3] is storage for internet. It is oblighted to make " web-scale computing, easier.

It has a simple web-service interface that you can use to store and retrieve any amount of data at any time.

The services aims to mascimize benefits of scale & to pass those benefits on to developers.

Components of AWS->

1. Amazon cluster. Also known as Amazon account Aws how the main computer service Ecz & E113 Administrations and system developers use the Ecz instances to maintain and run the cloud computing. For smaller human interventions & fault tolerance. Aws ELB distributes applications in all cases of Ecz. ELB is free of charge in EGB of older processing 2750 hos of monthly service for one year.

- 2. Storage The S3 service from Amazon, EBS

  and cloud front are three Amazon storage
  options. Storage in Aws is quaranteed by the
  pay-per-use model. It is an Aws storage offering
  which can store any amount of storage content required
  It is used for several reasons such as storing
  content, backing, archieving 2 recovering an
  accident, as well as storing aleta.
- on the AWS petabyte area, the relational lidder and No SQL detabeth are also included. The Relational Detabath Service [RDS] and Amazon Red Shift are two AWS detabates. Amazon RDS is used to manage 's expand my SQL, orecle, SQL server.
- 4. Management & Security The AWS directory Service directly connects AWS clouds to local locations. It controls the cloud resources for AWS
- 5. Networks Amazon VPC provides versetile network performance in AWS which means it prove integrated security & a private cloud.
- 6. Analytics AWS provides data analysis.

  Services in all areas such as Hadoop.

  archestration and data trasmission and real
  time storage:

- 4. Application Scrivices Amazon 202 is used to automate the workflow between services. There is a special queue used to store messages
- 8. Implementation & Management Electic Beam Stalle uses Java, NET, PHP, Nocleys, Python and Ruby to implement and measure, web application.
- q. Mobile services. Amazon Cognite & Mobile anolytics are two popular mobile Aws services cognitor users synchronize the data on their mobile devices.
- Q2. What is voiwage voloud suite end explain the different components of voloud suite.
- Ans. Vmware volved suite es a integraled collection of vmware software products for building.

  private cloud infranstructure.
  - VMware volved suite festures components for cloud services sprovising, cloud services monitoring & cloud services changebeck or showback. Volvend suite, which festure a self service sportel, IT service cutalog & Policy engine, comes in standard, Advented and enterprise versions.

## V cloud Suite is composed of >.

- S Vaphere. It provides a virtuelization plet prom
- automated disester recovery.
- > Volorid Network and Security- It includes prevall, VPN, DHCP, NAT and other network function por a Virtuelized compute environment.
- Service cloud service proviscaping
- of v center operations Management Suite. 9+ provider a visual o representation of the infrastructure is health, security rish and efficiency.
- as a service [less] erochitectures by monitoring and controlling various cloud-computing or security, virtual machine (vm) provisioning billing 9 self service across

- Q3. Explain the key difference between Amazon
- Ans)s. Parget Audiences Ecz is designed for single accounts and Voloud Express is designed for enterprise, SMBs and Single User accounts.
- 2. Concept Model Voloud APIs include a set of
  APIs to manage the inventory structures &
  users which you don't need in EC2. Voloud
  APIs consists of two set of APIs user leavel
  API. & an administration API.
- 3. VM group- ECZ cen menage only one UM! Voloud can menage a group of VM's called Vappes a solution.
  - 4. Flexibility. Ecz predefines seven types of configurations with memory, storage, locapeticing combined. Voloud relies on the OVF open standard and can have as many as a user wants.
  - powering off where is valoud vapp persist after despite the power state change.
  - 6. openness ECQ is a proprietary APT white Valoud has been submitted to DMFF with other industry leaders.

then the Amejon S3 service.

CIPS SOUTH LOUGH

2t is a family of managed, secure and inselligent product that use the sal server aletobase engine in the Azure and

- · Azuse SQL Detabase. Suppost modern doud apps on an intelligent, managed aletabase Service that includes services compute.
- SQL server on Azure UMs zight & shift your SQL sower workloads with ease & maintain 2001. SQL server competitivity & oslevel acers

The basis of Compassison

1. Storaje

ALUS CLSCS, 53 which is longest running.

Then Azure it provides looks of commentation?

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Azure user storge
block which ere
comprised of blocks
and uploads large
blobs efficiently
the user storage.
cool Estorge
archieving
deto:

- of the tech stack, white hicrosoft Azure can be primarily classified under cloud troshy.
- Amezon S3 is reliable, scalable & cheeps where as Azure. SQL Scales well & quite easy, con used het or open source tools and is startup friedly
  - Qs. Write short Notes on >
- (1) Factors for seversful cloud deployment.

  A due new due deligence process will be required. Explore your opions look beyond.

  Marketing, explore their development roadmys contingency plans & get clients reference. The ho clound firms about how they source did a contins & how they source did.
  - -> Expect to pay more attention to security as at us a primary concern for stake holders.

    Acknowledge concerns as the cloud is a new a technology for many. Everyone should be comportable that the cloud vendor can really mitigate risk.
  - business edjust to the new technology.

- (11) Axune Applabaic-
- Meddle ware platform. for developing, doploging Emenging, apps on windows Azure platform
- applications to the cloud through secure connectively across network and geographic boundaries & by providing a consistent development about to both widows Azure & window servers
  - Importen Services
  - · Service Bus · Access Control . · Composite
  - · Caching and Jutegrahion · application
- (111) Croogle App engire.

  It is a service for aleveloping & hosting websport
  in googles data conters, belonging to pass

  category of cloud computing.
- requirement.
- of when usage is minimal power scaling is

P. SAI KUMAR 201810208