## cloud (oropuding . Holday Asi'co overst 2911(2020319

1. Explain about private of cloud coron wing?

the four venote of cloud computing veryes to the fundamental principles of concepts that forms the familiation of modern cloud computing. shere unte ou:

1. Distribund Systems.

. It involves multiple computers working trayether as a tingle systems to shall assolves and tasks.

In cloud computing this Ensules Evaluability.

a. wisualzation:

· It allows multiple without markines (00) conformiente so your on a strige physical mailene

3. web sumologices-

It is note, ApT's and because growth using so areus reland byvires once the majorit.

a. Epphin about my 2 Indent submologies, haw they are water in cloud Computing?

りれないニー

· It allow use's and application to access cloud Squires ones the Insepret beauty.

usefulness.

- Embles comounications butueron using and cloud sque's through browser's or API's.

11) Resolut Apalo:-

. Apte our a dight weight, soorday dized way for systems to commonwate ones the Enteret using pur mushocl's like GEO, POST, PUT and DELEGE.

we fulness &

-> precides a simple interface for interacting with cloud squires, Exabling duilopers to interpate cloud functionalistics into they applications Easily.

Analyze claud computing challenges?

i) Datar grangly and provacy:

String seris 8 m w down on the cloud Incuases the wish of claser breaches around unowhorized

Empart: - Braches can horn on aggorized nos organition and lead to desal consequench.

- 11) boton time and Revability ? und squies depend on intent connection and Sque proceder vers ponsitoible.
- ITT winder lack-in: Olganisations very face cofficienties megating their applications and data of they hearly vely on a Specific cloud procedu.
  - (v) (out moragement: uncontrolled usage of cloud viesources con lead to unemputed custe understonding one morning proung models is complime

## (V). performance texus: -

Nework clasery and bandwidth ilone tabins con abbet the peteronnomer of cloud based applications, Especially forceal- from Syckome.

what are for suches of cloud Coroperating? ψ,

> 1) on- permond self-squasusule con predictor and monog competing versucies WKi Squees story onel applications as reeded wishout dequiring human insequention.

- 11) pay-as-yni-go model:usces pay only for the occouncies they consumer Emples Blorage, Follows (7) Horadwan ofrency and expensions.
- Resoluce gooling: cloud proudis use mutiknowy to some maliple Customis with shored vusouses whele emoung date usolation and sumby for each use.
- (FN) Beobel neowork Acress: cloud services con be accessed our the indinet from a worder of clewers buildes daptops, smartphones and tablet's Ensuring access to 9 of onewhere.
- Espleen about cloud Inflastomblu roxonage must
  - Resources prianting : Allocating and configuring conductes wher withalmachenes storage and remorks based on appointin vegunments.
  - Ensues desources are treachly accordable when needed monitoring and performance monagetournto. Continues training of cloud viesouries arriel squiries so swere olkeral Internation

Ooks the Arragon cloudwatch, Azur monther help Identify bottleneks, clotenes (a) downtime wisself.

cost management:

- stracture and optiming ling cloud spending to award, unnecessary costs.
- -> Includes wish + 813 mg versousces and one oriding way rassyn's to align with budgets.

Security and complone:

- Implementing measures the conception, identify monagement and access controls to defeguação dosa pada monaymunto

- Handling storage backeris and disaster accounty for data interplay and anailability.

Highy Emplorabout the cloud deployosingt 6. modele.

1) public cloud:

Cloud cresoules are an owned cood operated by this d-party prosecults and should among toutherph tucks.

Advendars: -> I deal for small and mulainon arged business.

-scost-uppective

- rugly scalable.

· disaction tays: -submit and control. -s posendial security contains.

## 2. private cloud:

- -, cloud desources are decorresed to a strafe organiza tim and can be hosted on- premier.
- swiptle for wigonzations occurring high surthy, compleme on control.

Advontages &

- -> Greatic Control.

busadrantass:

- > reply costs
- management oresponsibilities.

## 3. Kybood cloud:

- -s combines public and private clouds, allowing data and applications to be should between them
- Best for regardations needing fumber any Swikes unong sengible work doads on a private doud while hemens ng public cloud scalabiley.

H. Topphin about Troffers boucher as a significe.

Infrastructure as a sequer lie à cloud compreting sque model wherepresdely debut ut stratique compiding accounces ouch the intent

- shese ussoules include sequeles storages networking and operating systems.
  - I Taces alberts usefs to beld and monage their own It infrastrueture without the need to prochase (91) rounder physical inflhaudioace

Key features of taas:

· Scalabolog: - resources can be scened up (00) down bused on clemand

a pay as you go: sures pay only fir the icesaire's they use, romany of cat- efficient.

· Sdf-squies

-, usy's con publisher and margage versauce in dyon -durky shough a uses in suface (00) API

· vi drabization:

- unduly of physical visoure are nightalzed, Eronably multiple usels to shore the some inflassometime securly. Exphin about pladform as ensure.

paces is a cloud completing model where postades debut a platform short includes hardware, software and took out the indint

- paces allows developeds to buside oliplay and monay application without worrying about the undalying infrastrudiue.

they fratules :-

audoprent bods :-

Includes pre-continuel tooks for coding, futing and clipley must.

sulabourg .-

Butomotrally Scales ourowies to meet Application

demonds.

padabase monayment:

office's built-in database squieus do massage and stone data.

was - framery :-

Allowis multiple weeks to access the platform simultoniosly while maintaining data souths.

9). Wheat eve she doubt challerings ook crestes of cloud computing Emplain in desail?

Data surely and provacy ocieks ir challings =-

-string sunsibile date on adhird party cloud peroudly can had to manthonger access breaches (18) data struft.

Risks:

- Non-Compilance with prevacy closes when GDPR Ex) HELAA

bountime and Reability shallings ?

-school squies depend on the privales up frome and outages can clarent operations

Riski -

- financial closs is due to clown time

render well-in challenges -

- mowing data and applications from one cloud proudy to mother con be different and assay due to in composible platforms.

Res ky 5

-, Reduced flerasbally

- 16th Sunkbox Gette.

cost manay ment whallungs:

challeges:

- organizations may struggle to precedet and control cloud spunding

Allestrate the obsprience between Practitional companints computing we cloud worputing?

Infrastrutue

Rebes on physical hardwan. outsbyle vishealogiel ousaucé.

Deplyment

Requires manual installation of softwar and hydrau.

squeis are deplaced and accessed occer ensenet.

cost structure

sush ast

pay-as-you-cro busine where

scalability

demend

Easily Scalable.

plano billy

dus flembility

righty flowable

Reliability

cless Rebabb

fish Rebability

collaboration

donskel Collo 6010 2110) 1006

Colle boro Gen.

berfaussie

pyfomonican be alpholia by hardwar sating optinged. bil foresoure.