## **NETAJI SUBHASH ENGINEERING COLLEGE**



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Subject: cloud computing

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- A. work bad in Taas subset to the would of computing suscences and society applications that are required to perform a special task on prouse within a virtualised or cloud-based environment. It can vary which in terms of their compurity and ourse used in the subset to employ the subset of subset and suscence one weather.
- : erestountepripri 200I no proposa neo speaktoon anot
- (1) Resource provisioning > In an Iaas environment, the cloud service provider oftens a pool of virtualised computing resources such as VHS 1 storage & rutwork.
- (ii) <u>vintualitation</u> -> Vintualitation is a key rennoway in lass that allows for the creation of vintual instance of pulsical automates.
- find some to real him in the season of the season with the season with the season of t
- (iv) Resource Hanagement > laas platforms include sesource Hanagement took that help allocall and optimize computing nesources for workbads.
- (4) NET COPY OF TOOL ENVIRONMENT OFFER WHOOMEN OND BAILINGERS, CAPABILIFE SINCILLY WHITH WHOOM AND WAS AND WIGHTY ON AND WIGHTY OND WAS ALLESS OF AND WHOOM LAND WAS ALLESS OF AND WHOOM LAND WAS AND AND WHOOM LAND WHO CONTRACTOR AND WHOOM LOND WHO CONTRACTOR AND WHO CONTRACTOR AND WHOOM LOND WHOOM LOND WHO CONTRACTOR AND WHOOM LOND WHOOM LOND WHOOM LOND WHO CONTRACTOR AND WHOOM LOND WHOOM LOND WHOOM LOND WHO CONTRACTOR AND WHOOM LOND WHO CONTRACTOR WHOOM LOND WHOOM L
- (vi) storage -> laas providere often various types of storage opfions, such as blocker storage, object storage and till storage.

1) what are pod, aggregation, and silve in cloud computing? In what situations can us consider eneating a si 10? · liptub ni neolox3

Logs > It is often used to gracifier a drank of tidutial compared tentified strow to MI the no remembers to server specific application. These containers or NHS are hybically deployed together and share common nesources, such a networking and storage.

Volugation - It typically resen to the grouping of prignind unlove? II. wirves To stab, wormouse a other related compounts or data points into a unified view or structure for better management, ending or procuring.

-IMNORIVNS DEREGES by bis bis lock no of water  $H \leftarrow 20192$ -nt or organizational structure that operation independen-- why of other parts of the organization. 19101 can exist , volice voitasilgga i colie stab pribusini, uni u voitas to or organization islos.

: They mas prois no olst a bustons urpiena of worm

- (i) Security & compliance requirements: In case where certain data or application must adver to united security and . Wrobnote wastymos
- errouses isolation some morkbads may have unique (iii) requirements that are best served by isolation.
- (iii) Testing and dimopment -> puring software dimopment, mating colated divilopment, testing and stagging envisionments can rule prevent conflicts.
- (14) reduct strem -> Leavistiansul from About statem to word-native solution may involve volating regary applications to maintain eapatibility.

5> what is road Balancing and virtualisation in cloud computing , wine a crear view of a simple road-balancing Aystem.

Load Balancing is a crucial component of cloud computing that distributes incoming network traffic or workloads across multiple services or resources to crews optimal utilization and maximist ferformance, availability and reliability.

Wintualization & a foundational teennoway in cloud computing that allows multiple vintual tenuer. Enchance to nun on a sengle physical tenuer. Vintualization abstracts the physical hardware, waring it more textible and etticient.

## A shupe wad-balancing system:

the weezenwer. Here's how it works -

- is) Incoming request user access the meb application by sending request to public IP address associated with the wad balancer.
- (ii) Load Balances The load Balances receive these requests.
- (iii) Dût-sibutton The load Balances distributes incoming that prince to senses ensuring that which which with range is revised by sith traffic.
- (v) LEWELL HEALTH HOWING -> The GOAD Balancer continuously wonitor the Walth of the web servery.
- (e) Jealing -> As the traffic volume fluctuate, additional web services can be added to the pool and the load Balancer dynamically adjusts its distribution to accompdate the changes.

4) what is compliance -a - a - service (caas) ? Describe an exottend example at a coas therem.

Heices tout upon wines based-busis is 2000 ( arganization in achieving and maintaining compliance bus epropuets, moitalupere pretrubui enciror ution data protection laws.

Example of a caas system!

## : + wet - me

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- e outsuis, wood is emplance to sure a suno functione. consent management, data mapping and privary impact assisment.
- esnoirgues eniments of trunting use using nos. bnoquer bno willog noisestong stab spanon, etnossa to regulatory evanges. The platform helps organiza-- How avoid non-compriance penalties, build trust of thentimus a Vartwome bus comoteus Hice data prevacy and security.

3) what are the main characters of saas? Give 3 brief care studies of saas platforms that operals currently.

The wasn environments the saas on:

- 41198 1221211 (D)
- (b) Subscription-Based Briting
- (c) Managed by the Provider
- (d) Multi-Tenancy
- (e) Automatic updaw
- (4) scalability
- (9) collaboration & Integration

Three case studies:

- (1) Salutoru: A global company with a distribuled coles team uses salesforce to centralize customer gon Albring, cersons were suit marche, alob вые ефильмонавые комонам выпонамя по surver become
- (ii) Menosott 365: A medium size company adopt Himobus wrow Dower udans of 200 Hor collaboration. Employees uses teams for withed meetings, share point ton does shaning.
- (ii) sendesk: An e-comerce company use senderk to mont etemper tropper remoters estertus email, chat and social media, senduki automation and suppositing features muly the company provide finally and personalise burneymi is postlueur, remoters of tropper witomer satisfaction.