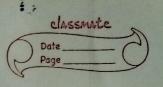
YAGYAM BATRA 86062300042



Front

wark and and front and

interact

any software / platform

(eard computing architecture:) as we know, cloud computing teilmology is used by both small and large organizations to store the information in doud and aress it from anywhere at anytime using the internet connection

et is a concluiration of service oriented architecture and event driven architecture.

e) It is divided into pollowing 2 parts:

1) Front and

2) Back and

rouides (Client suprastructure

GUI to interact

with cloud

sterret ? medium whough which Suternet }

to which type of service to ours (Saas, Paas, Ioas)

Application

service heed to manage hura structurajus Runtime cloud

Dirice, runstorage the storage the A estoblish Sufrastrutture surection before

them.

provides execution & rentine an provide 3 survius:

1) nost level 2) application level

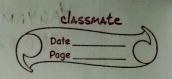
3) network lull

s sepremides a rige amount of storage capacity

Back

) unplements

a sourcity

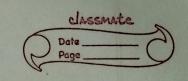


Hout and The front end is used by the client of the contains client - side interfaces and application that are required to access the cloud courputing platforms. The front end includes well struct, thin and fat clients, tallets and mobile devices.

Service provider et manages all the resources that are required to provide cloud computing services. It includes a lunge amount of dota storage, security mechanism etc.

2 IAAS: Infrastructure as a service (Iaas) is a cloud computing model that provides on demand aress to computing resources such as servers, storage, notworking and visualization.

St is attractive because acquiring computing resources to run applications or store data the traditional way requires time and capital organizations must purchase equipment through prourement process that can take months. They must invest in physical spaces, typically specialized rooms with power and cooling. And after deploying the systems, threy need IT professionals to manage and maintain them. All this is challenging to selle when demand Spikes or lusiness grows. You run the wisk of huming out of capacity or overluiding and paying

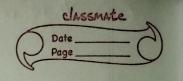


for infrastruture that you will never use) It is the on-demand availability of nightly sulable computing resources as services our the internet It eliminates the need for anterprises to puoure, configure or measure manage the infrastriuture thenselves, and they only pay for what they use. e) It manages: 1) Opplications 3) Rustine my - The single and med It delivers the pollowings: Hardware Cloud dosting centers witual

> Load Belamers

Mark Course

beruer skay



AWS: It is the abbrevation used for, busyon well strvives. It offers a broad set of global cloud based products including compute, storage, satabases, analytics, meturorking, mobile, developer tool, management sools, mobile, developer tool, management sools, Tot, security, and enterprise applications: on demand, available in seconds, with pay-as-gou-go priving. From data warehousing to deployment tools, directories to content delivery, over 200 AWS services are three to avail.

New services can be provisioned quickly, w/o

the upfront fixed expense. This allows

enterprises, start - ups, small and medium
sized husinesses, and automers in public

sector to access the building blocks they

need to respond quickly to changing husine

requirements. This white provides you with

an overview of the hunefits of the Aws cloud

and introduces you to the services that make

up the platform

Compute storage

Data str. analylis

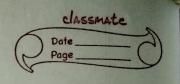
AWS

Monitoring service

Demaitry & comp.

Classmate Date Page
used for clastic
service that provides
easier for developes
THE PROPERTY OF THE PARTY OF TH
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d stale somputing
printion By offering es tailored to
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Private cloud (UPC)4
Networking
like security groups &
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Security
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Elexible price
like ondernard
instances, Reserved
uistances, spot
plan.

9 EC2: et is an allerenation compute cloud. It is a well resignable compute capacity web scale cloud compeding It is designed to enable designed developers to configure an a variety of instance tupe different use cases, Ecz f to choose the right mix our application Key features of Ec2 are: It takes about of scalability the reality & nes hasti esad halaming ud for eg general & Instance types EC2 purpose complete optimized, remore optimized etc storage options like Elastic Block store (EBS) and instance store



e) It has used cases as:

Usel Applications: Bost scalable and resilient applications using EC2, Auto scaling, and Elastic Joad Balancing to ensure high availability.

powerful GPU'S for training and deploying

MI muddels.

3) kigh Performance Computing (HPC): Serform complex simulations, financial modeling or any other compute-intensive tasks using compute-optimized instances.

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