Cloud Computing.

Cloud Computing means Storing and accessing the data and Programs on remote servers that are chosted on the internet unstead of the Computer's hard drike on local Gener

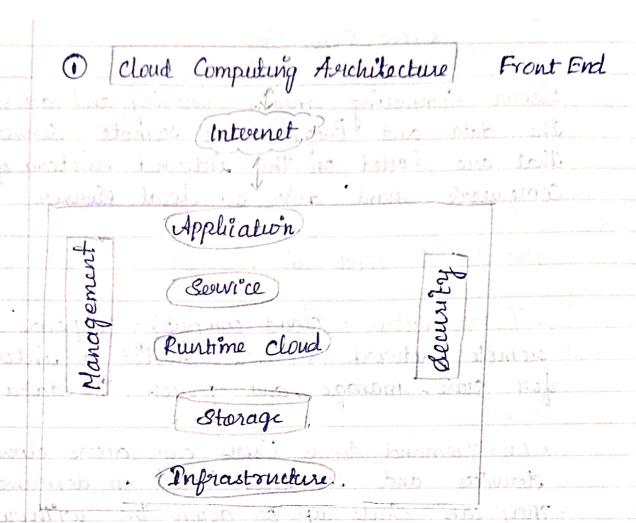
How it is work in nutshell:

- · Infrastructure: cloud computing depends or semote network servers hosted on internet for store, manage, and process the data.
- · On Demand Access: Users can access cloud dervices and resources based on-demand They can scale up or down the without having to invest for physical hardware
- Types of dervice cloud computing offers various benefits such as cost saving, scalability, seliability and accessibility it reduce capital expenditures, improves efficiency.

Auchitecture of cloud Computing;

Decens

- 1. Front end CFat-client, Thui client).
- 2. Back end Platforms C &over, Storage)
- 3. cloud based delivery and a network Canternet, Intranet, Interdoud).



1. Front End (User Interaction Enhancement)

The User Interface of Cloud Computing Consists of 2 dections of clients. The Thin clients are the Ones that use used brausers facilitating Portable and light-useight accessibilities and others are known as Fat clients that use many functionalities for offering a strong user. experience

2 Back - und Platforms (Cloud Computing Engine).

The Core of cloud Computing us made at platforms with Several Severes of Horage and processing Computing Hanagement of Applications logic us managed through Severes and effective data handling is

Provided by Storage.

3. cloud - Based Delivery and Network.

On-demand access to the computer and resources is provided over the Internet, Intranet, and Intercloud. The Internet comes with global accessibility, the Intranet helps un Internal Communications of the Securices within The Organizatione and the Intercloud enable Interoperability across value cloud Service.

Types of cloud computing:

1. L'upraetructure as a Service Class)

2. platform as a dervice C Paaso.

3. Software as a Service (Saas)

4. Function as a securite (Faas)

Types of cloud computing sources.

Saas
Structure as what us Prifrastructure as a service Cloud Computing.

Paa S.

Platform as a service ... Fundion as a

1. Infrastructure as a service (laas)

- Flexibility and Control: lace & comes up with providing. Writualized Computing overous such as VMe, Storage, and networks facilitating were with control over the Operating System and applications.
- Reducing Enpenses of Itandware: laais
 Provides bussiness cost Savings with the
 elimination of physical infrastructure
 unvestments making ut wet effective.
- Scalability of Resources: The cloud provides in Scaling of hordware resources up or down as per demand facilitating optimal performance with cost efficiency:
 - 2. platform as a deswite (Paas).
 - · Climplifying the Development: platform as a Device offers application development. By Keeping the underlying Infrastructure as an Abstration It helps the developers to Completely managed by the two platform.
 - Enhancing Efficiency and productivity: Paas lower the Management of Infrastructure complexity, speeding up the Execution stime and bringing the updates quickly to market by streamlining the development Process.

Automation of Scaling: Management of resource Scaling, quaranteening the Program's workload efficiency us consuced by Paas.

3. Shas (Software as a Service)

- Collaboration And Accessibility: Software as a service (saas) helps users to clasity access applications without having the requirement of local installations. It is fully managed by the Awe Software working as a service over the internet encouraging effectives. Cooperation and ease of access.
- Automation of Updates: Soas providers manage the handling of software maintenance unith automatic latest updates ensuring ensuring and clearity patches.
- Solution by reducing the overhead of 17 Support by eliminating the need for individual Stephense licenses.

4. Function as a beenice (Faas)

Event-Drivon Frecution: Faas helps in the emaintenance of sources and infrastructure making users eworvy about it. Faas facilitates the developers to run code as a response to the events.

Last Efficiency: Faas Facilitates cost officiency by coming up inith the Principle "Pay as Per you Ran" For the Computing reesources used.

Scalability and Agility: Severeless Architecture Scale effortlessly wis handing the workloads promoting agility in development and doployment.

Top leading Cloud Computing Companies.

cin the interned surveyor special		
Company		ne Key Ofterings.
Amazon	AWS mulback	Compute, Storage, AI/MI Databases, Networking
Microsoft	Ascretion 2019	cloud computing, A1, Analytice, Hybrid cloud.
google		AI/MI, Big data,
Alibaba	Alibaba cloud	laas, Al, Big data
Oracle	Oracle cloud	Data baser, Saas, Paas
IBM	IBM Cloud	Al, Quantum Computing
Blesforce		CRM, sas, A), Analytis
Tenunt	Trencent cloud	Al, garning cloud, 10T.