



SNS COLLEGE OF ENGINEERING



Kurumbapalayam(Po), Coimbatore – 641 107

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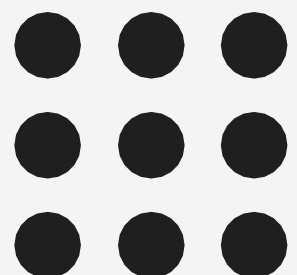
Department of Information Technology

Course Name – CS8791 Cloud Computing

IV Year / VII Semester

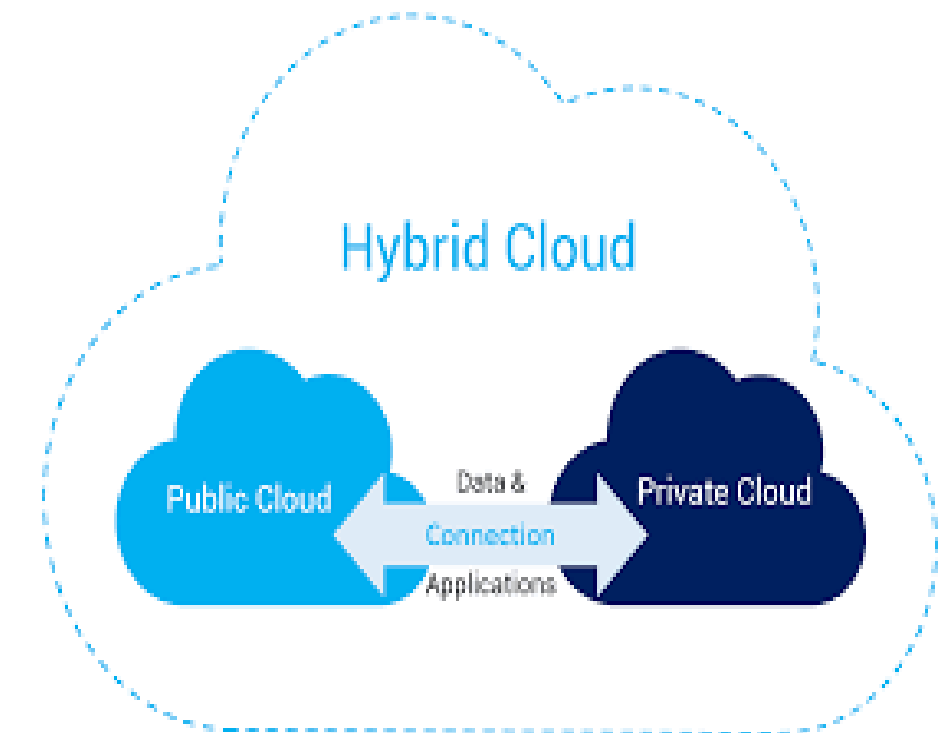
Unit 3 – Cloud Architecture, Services and Storage

Topic 4-Hybrid & Community cloud



Hybrid Cloud

- A hybrid cloud is the combination of both public and private cloud deployment models. Organizations use the hybrid model to blend their infrastructure on demand.
- An organization can scale computing resources and limit the huge cost of managing spikes in demand.
- In addition, hybrid clouds give businesses the flexibility to free up local resources to store and run more sensitive data and applications when needed.
- Businesses use hybrid cloud services by mixing local, on-premises resources with private cloud and third-party public cloud services.

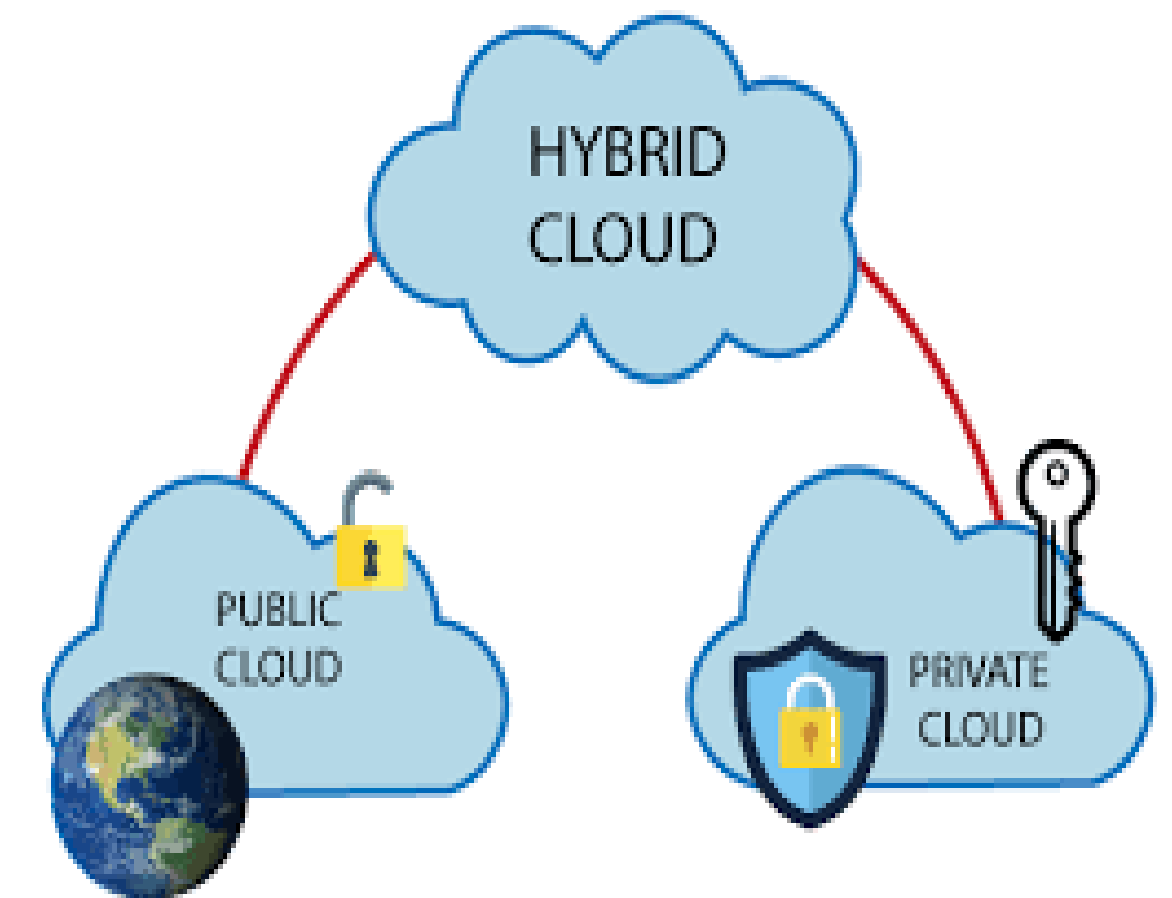


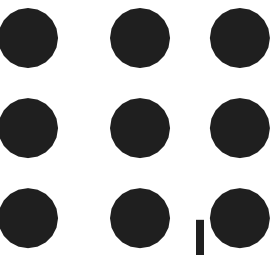
Hybrid Cloud

- An organization splits instrumentation between the three so workloads can move between the public and private cloud platforms as computing needs change.
- Fundamentally, a hybrid cloud model works by sharing information between on-site and off-site platforms.

Benefits

- Simplify operations
- Reduce risk
- Increase workload efficiency
- Broaden capacity to meet spikes in demand
- Reduce costs





Community Cloud

- Allows systems and services to be accessible by a group of several organizations to share the information.
- It is owned, managed, and operated by one or more organizations in the community, a third party, or a combination of them.



Advantages of Community Cloud

- Cost effective
whole cloud is shared between several organizations
- Flexible and Scalable
compatible with every user
- Security
more secure than the public cloud but less secure than the private cloud
- Sharing infrastructure
share cloud resources, infrastructure, and other capabilities among various organizations.





Disadvantages of Community Cloud

- Community cloud is not a good choice for every organization.
- Slow adoption to data
- The fixed amount of data storage and bandwidth is shared among all community members.
- Community Cloud is costly than the public cloud.
- Sharing responsibilities among organizations is difficult.



THANK YOU