



SNS College of Engineering

An Autonomous Institution

Accredited by NAAC-UGC with 'A' Grade,
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Redesigning Common Mind & Business Towards Excellence



Build an Entrepreneurial Mindset Through Our Design Thinking FrameWork

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Data Collection, Storage and Computing using a Cloud platform



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Everything as a Service Cloud Service Model

- Cloud connects the devices, data, applications, services, persons and business. Cloud services can be considered as distribution service—a service for linking the resources (computing functions, data store, processing functions, networks, servers and applications) and for provision of coordinating between the resources.
- Cloud computing can be considered by a simple equation: Cloud Computing = SaaS + Paas + IaaS + DaaS
- **SaaS** means Software as a Service. The software is made available to an application or service on demand. SaaS is a service model where the applications or services deploy and host at the cloud, and are made available through the Internet on demand by the service user. The software control, maintenance, updation to new version and infrastructure, platform and resource requirements are the responsibilities of the cloud service provider



Everything as a Service Cloud Service Model

- **PaaS** means Platform as a Service. The platform is made available to a developer of an application on demand. PaaS is a service model where the applications and services develop and execute using the platform (for computing, data store and distribution services) which is made available through the Internet on demand for the developer of the applications. The platform, network, resources, maintenance, updation and security as per the developers' requirements are the responsibilities of the cloud service provider.
- **IaaS** means Infrastructure as a Service. The infrastructure (data stores, servers, data centres and network) is made available to a user or developer of application on demand. Developer installs the OS image, data store and application and controls them at the infrastructure.



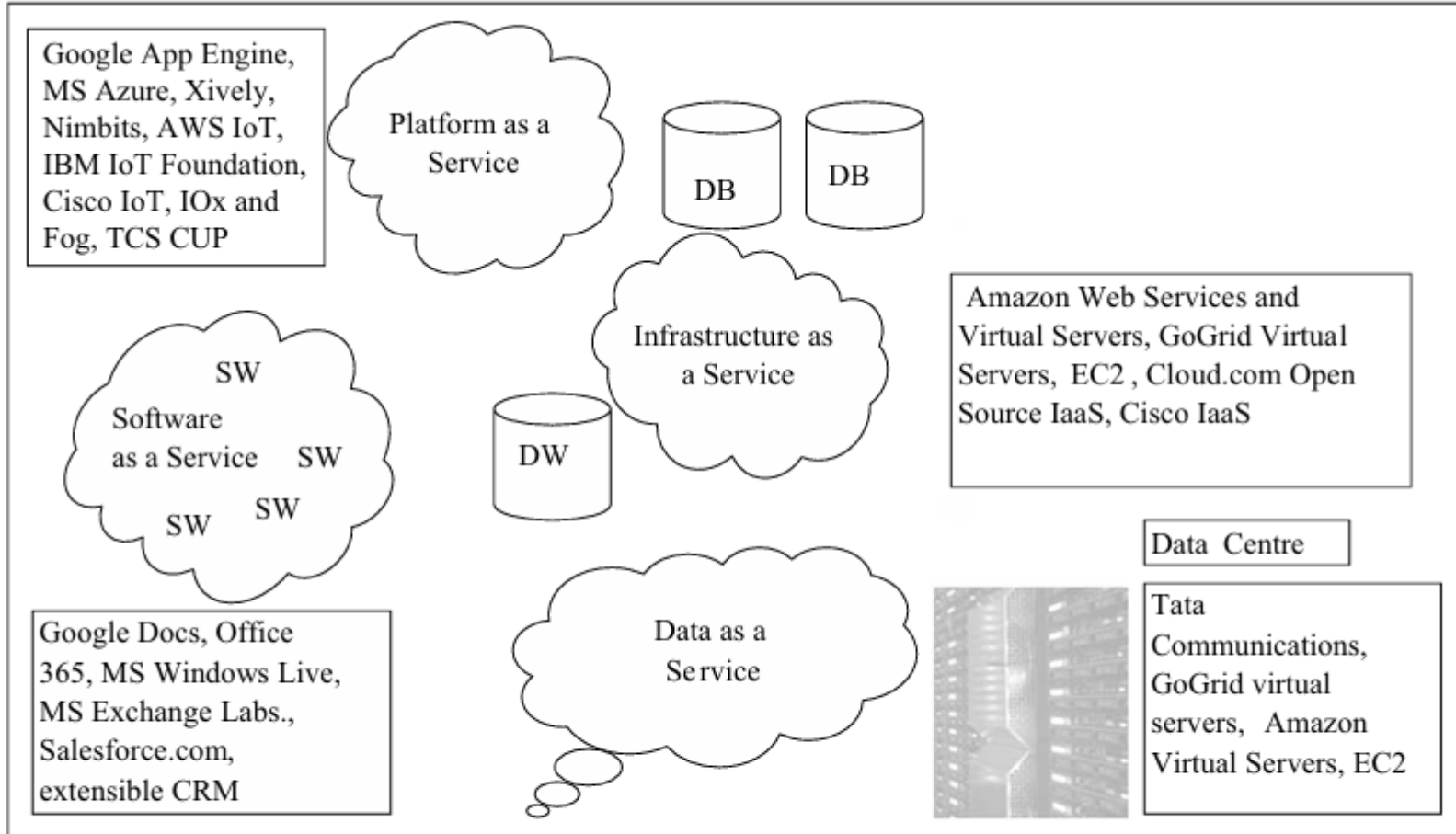
Everything as a Service Cloud Service Model

IaaS is a service model where the applications develop or use the infrastructure which is made available through the Internet on demand on rent (pay as per use in multi-tenancy model) by a developer or user. IaaS computing systems, network and security are the responsibilities of the cloud service provider.

DaaS means Data as a Service. Data at a data centre is made available to a user or developer of application on demand. DaaS is a service model where the data store or data warehouse is made available through the Internet on demand on rent (pay as per use in multi tenancy model) to an enterprise. The data centre management, 24×7 power, control, network, maintenance, scale up, data replicating and mirror nodes and systems as well as physical security are the responsibilities of the data centre service provider.



Everything as a Service Cloud Service Model



PaaS, SaaS, IaaS and DaaS Cloud Service model

[DW—Data Warehouses; DB—Databases; EC2—Elastic Computing Cloud; SW—Software; MS—Microsoft; CRM—Customer Customer Relations Management]



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sign Thinking FrameWork

Thank
You