



SNS COLLEGE OF TECHNOLOGY

Coimbatore-35

An Autonomous Institution



Accredited by NBA – AICTE and Accredited by NAAC – UGC
with 'A++' Grade

Approved by AICTE, New Delhi & Affiliated to Anna
University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

19ECE308- WIRELESS TECHNOLOGIES FOR IOT

III ECE / VI SEMESTER

UNIT 3 – DATA COLLECTION, STORAGE AND COMPUTING USING A CLOUD

PLATFORM

TOPIC 5 –Software as a Service



History of SaaS



- The term “SaaS” or software-as-a-service was first mentioned in an internal document called “Software as a Service: Strategic Backgrounder” by the Software & Information Industry Association in 2000.



SaaS



- Software as a Service (SaaS), on demand software, is a software delivery model in which software and its associated data are hosted centrally and accessed using a thin-client, usually a web browser over the internet.



Characteristics of SaaS

- Easy customization
- Better access
- Multitenant architecture
- Integration
- Operational performance



SaaS

- **Multitenancy:** This is an architecture whereby a single instance of a software app is meant to serve multiple customers.
- **Security and Compliance:** The responsibility of the SaaS application and hardware security solely lies with the application developer. He should ensure that multiple tenants on a shared infrastructure have their data virtually segregated and made accessible to those individuals intended to access it.



Types of SaaS



There are two types of SaaS

1. The Ups of SaaS

- ❖ No need to buy the applications, deploy them and maintain them
- ❖ No need to maintain the equipment and infrastructure.
- ❖ Lower costs

2. The Downs of SaaS

- ❖ Dependency on the SaaS provider
- ❖ Security issues
- ❖ Limited applications



Architecture of SaaS



Application design for SaaS or cloud infrastructure requires a number of key considerations to leverage the benefits delivered by the cloud. The design of the traditional applications considered limited resources.

- Vertical SaaS

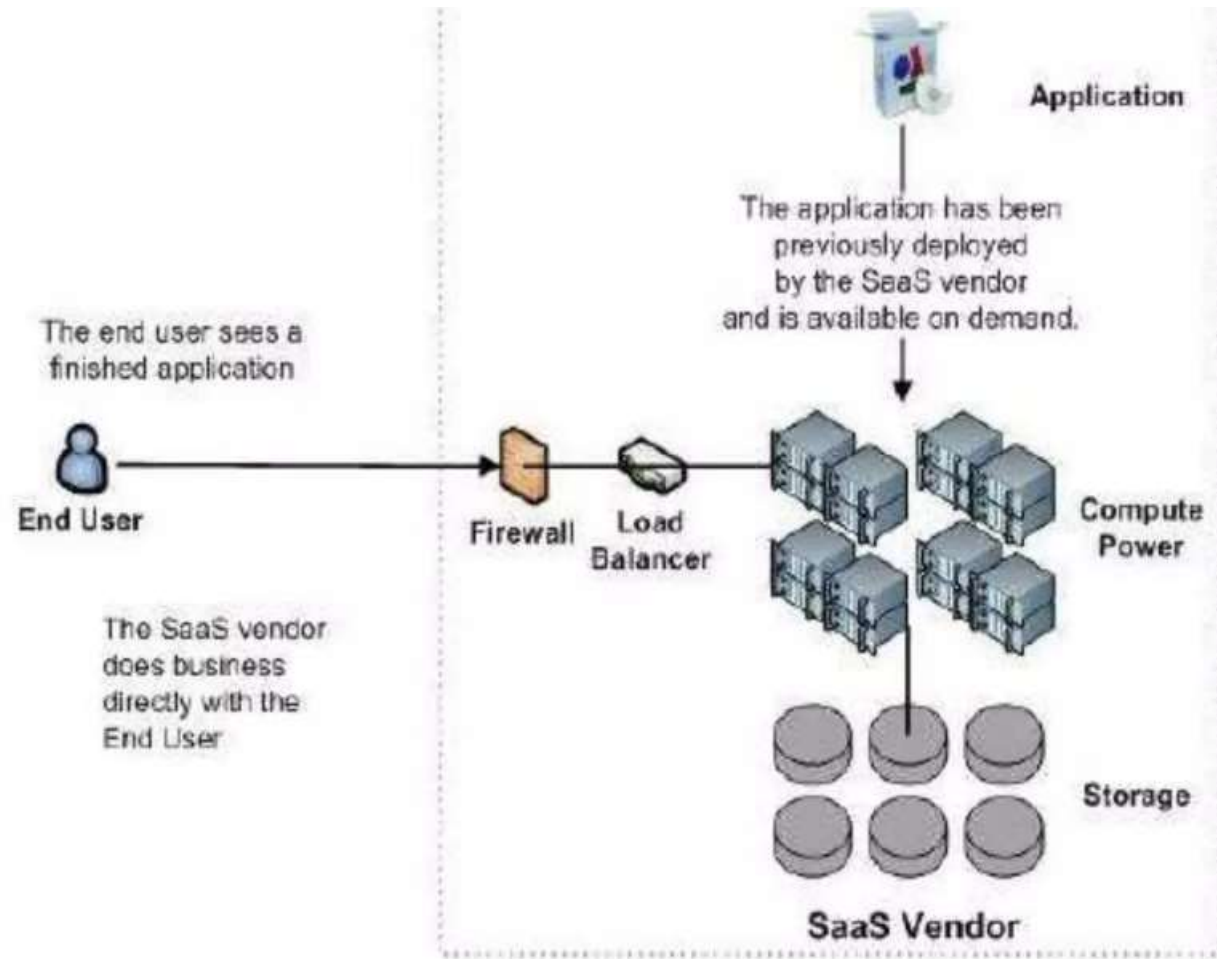
A Software which answers the needs of a specific industry (e.g., software for the healthcare, agriculture, real estate, finance industries)

- Horizontal SaaS

The products which focus on a software category (marketing, sales, developer tools, HR) but are industry agnostic



SaaS





SaaS Advantages



- Easy to use
- Scalability
- Vendor accountability



SaaS Providers



- SalesForce
- LinkedIn
- Workday
- Netsuite
- ServiceNow
- Concur Technologies



Assessment



Analyse the disadvantages of SaaS

- Robustness
- Privacy
- Security
- Reliability
- Compliance
- Performance



Thank You