



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

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

TOPIC 5 –Software as a Service



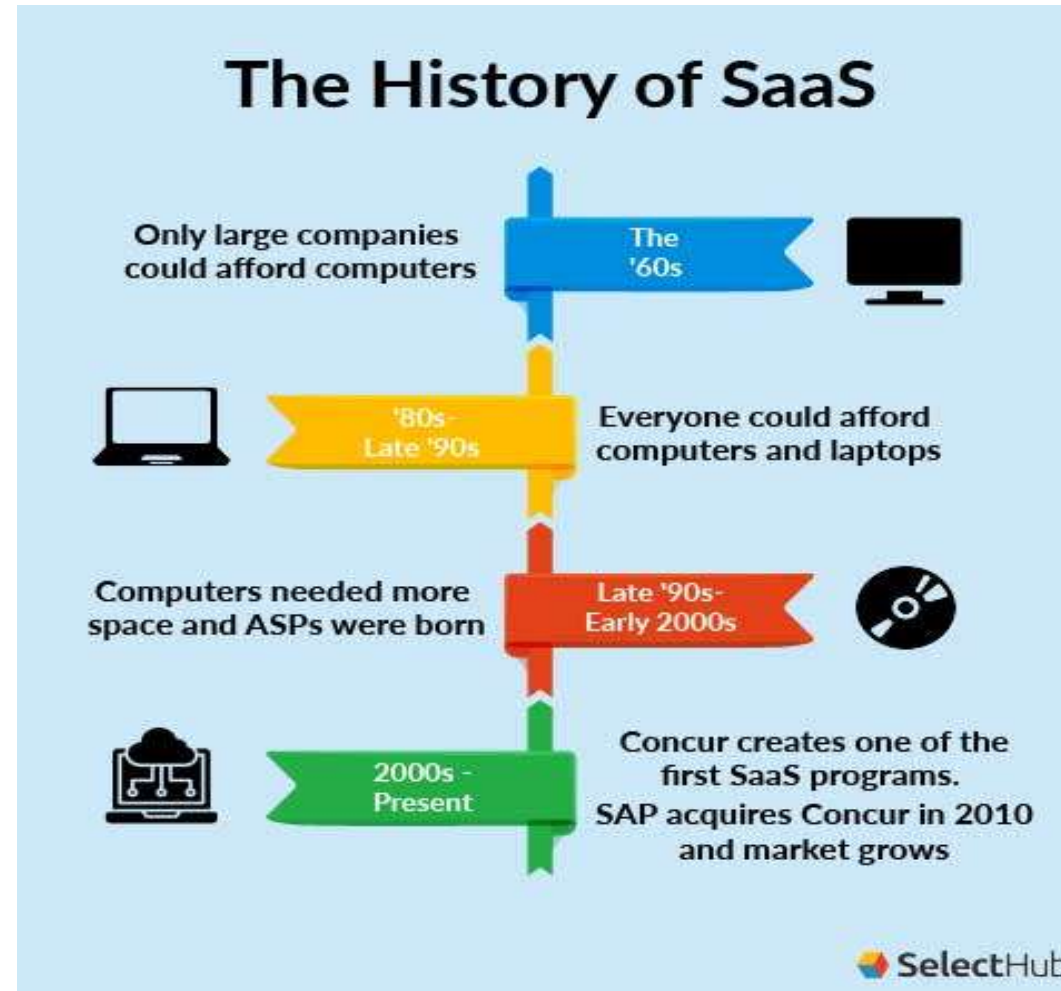
History of SaaS



- 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.



History of SaaS





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.



SaaS



Software as a Service (SaaS)

['sɒft-,wer əz, 'ā 'sər-vəs]

Providing subscribing users with access to a program via the internet.

 Investopedia



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



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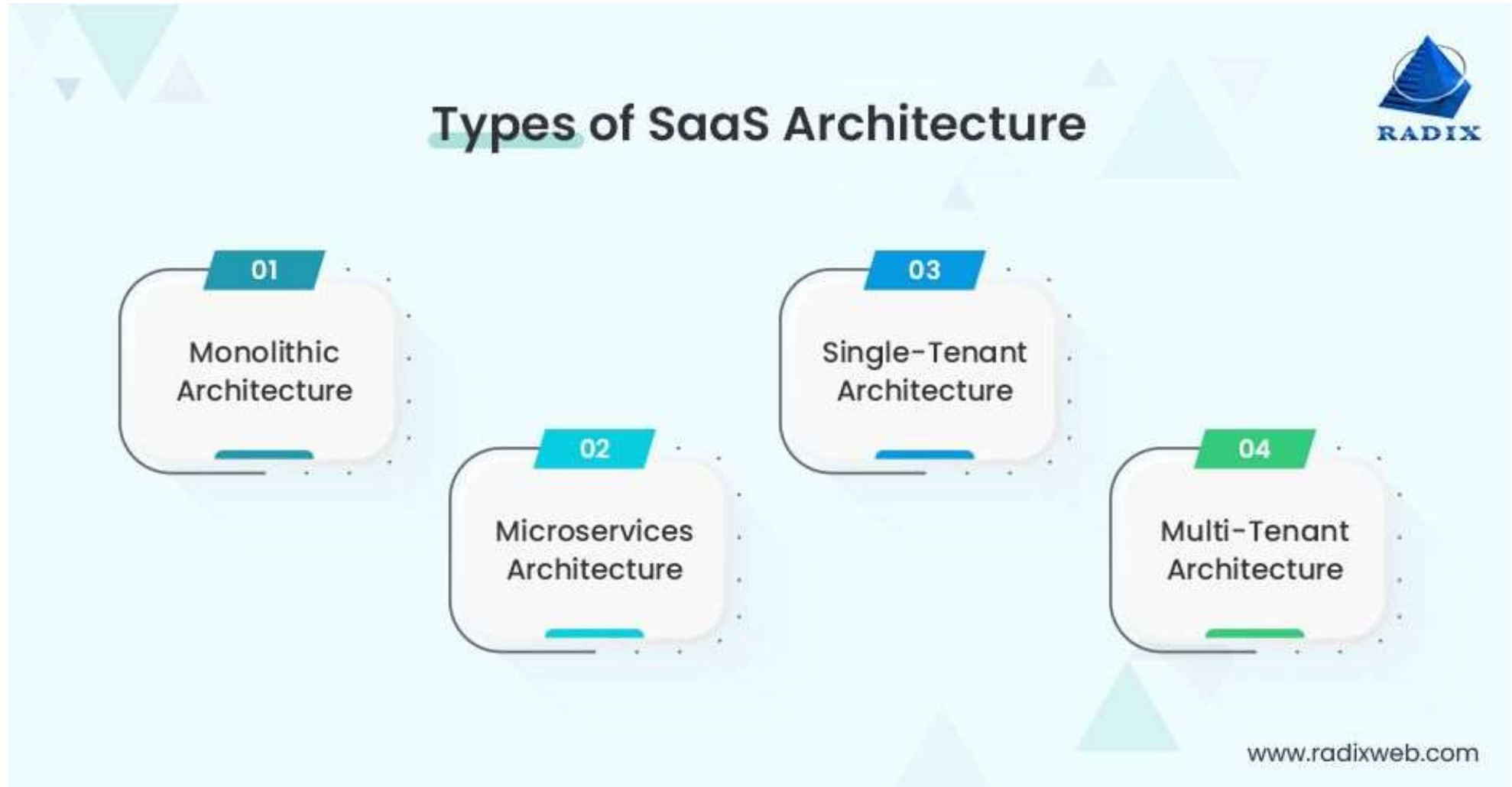
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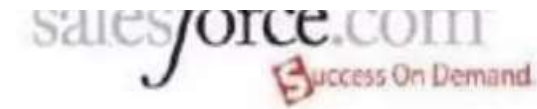
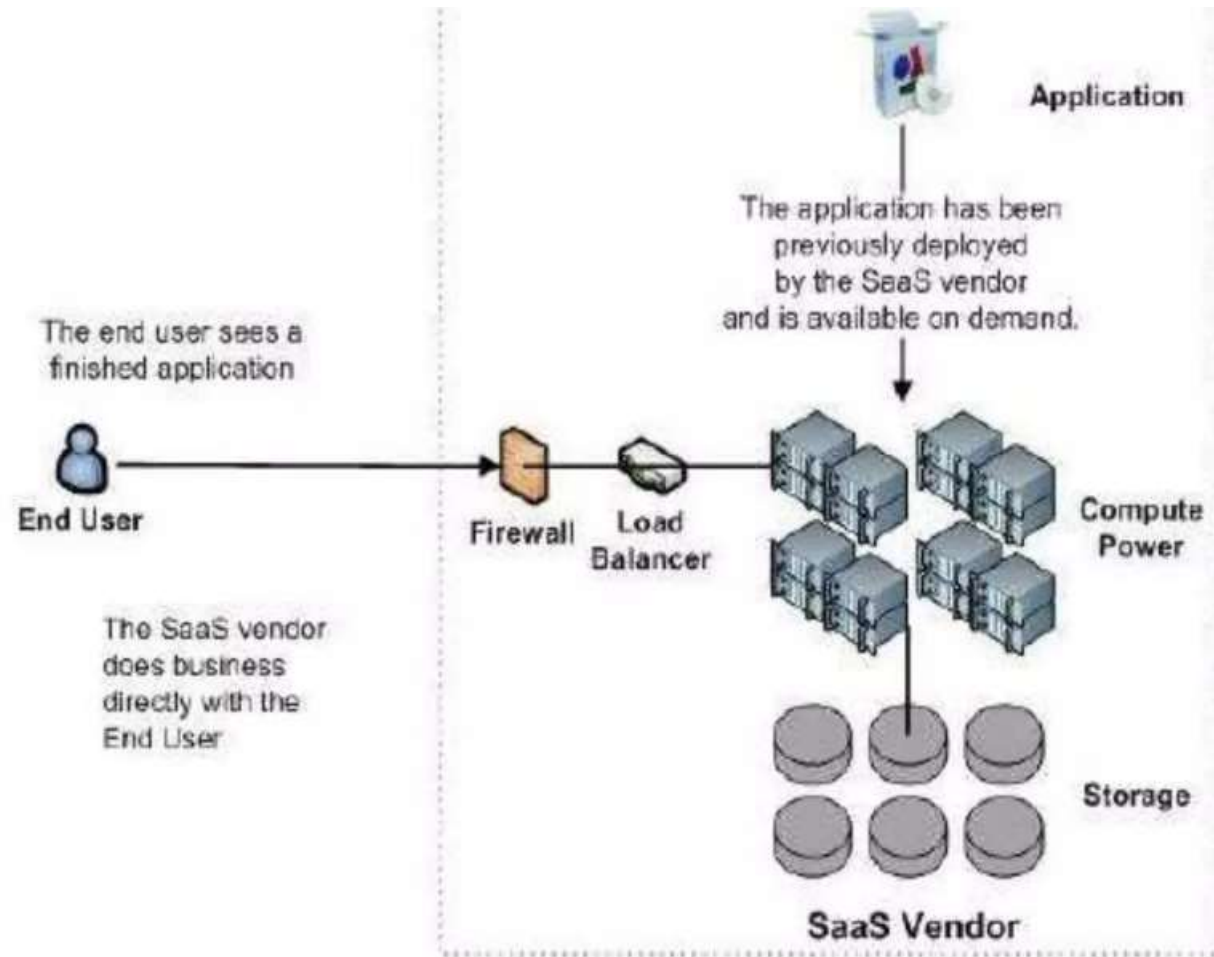
Architecture of SaaS



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.



SaaS





SaaS Advantages



- Easy to use
- Scalability
- Vendor accountability



SaaS Providers

Top 10 Software as a Service (SaaS) Companies



networkinterview.com

(An Initiative By ipwithease.com)



Assessment



Analyse the disadvantages of SaaS

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



Thank You