IDTS/Cloud computing

UNIVERSIDAD MODELO

Guidelines

- All documents to be delivered must be written in English.
- All research must be made in English. Only in justified case is it possible to investigate in Spanish.
- Progress or pending tasks of other subjects will not be allowed, unless otherwise indicated.

Método de evaluación

- 10 assistance points
- 60 task points
- 30 partial points

Total: 100 points

* All task submission must be done in GIT repositories

¿Cloud Computing?

Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing. Instead of buying, owning, and maintaining physical data centers and servers, you can access technology services, such as computing power, storage, and databases, and grow when you needed.

Benefits

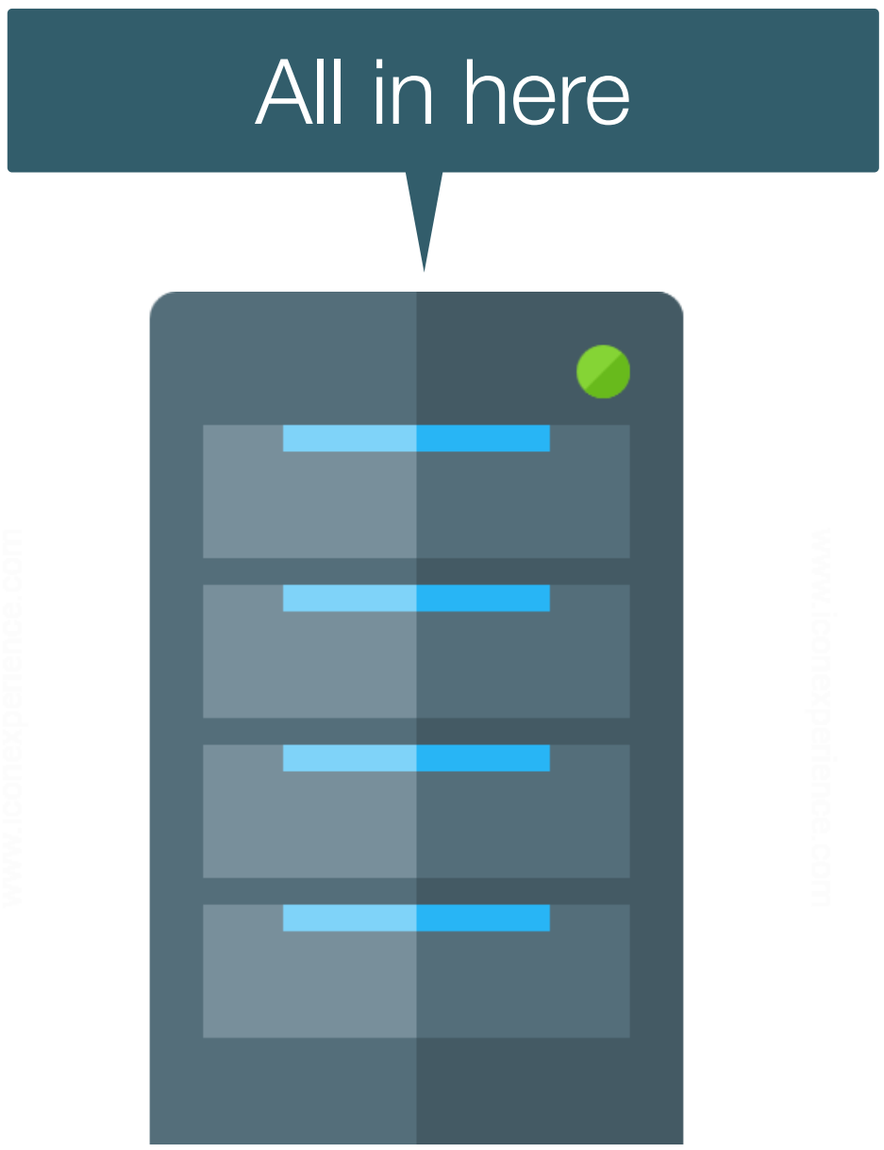
Agility

Elasticity

Cost savings

Deploy global in minutes

A little history



Server

Types of cloud computing

Software as a Service (SaaS)

SaaS provides you with a complete product that is run and managed by the service provider. In most cases, people referring to SaaS are referring to end-user applications (such as web-based email).

Platform as a Service (PaaS)

PaaS removes the need for you to manage underlying infrastructure (usually hardware and operating systems), and allows you to focus on the deployment and management of your applications.

Infrastructure as a Service (IaaS)

IaaS contains the basic building blocks for cloud IT. It typically provides access to networking features, computers (virtual or on dedicated hardware), and data storage space. IaaS gives you the highest level of flexibility and management control over your IT resources.

GIT

- Create Repo
- Init Repo
- Making Changes
- Sync
- Parallel Development

Docker

- Create Repo
- Init Repo
- Making Changes
- Sync
- Parallel Development