

BOOTCAMP ARQUITECTURA EN LA NUBE

INTEGRADOR- MÓDULO 1



Contextualización de mis aprendizajes

In the realm of modern computing, understanding the intricacies of cloud computing is paramount for professionals across various industries. The National Institute of Standards and Technology (NIST) offers a comprehensive definition of cloud computing, serving as the cornerstone for grasping its fundamental principles. NIST defines cloud computing as a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. This definition encapsulates the essence of cloud computing, emphasizing its key characteristics such as on-demand self-service, broad network access, resource pooling, rapid elasticity, and measured service. Through an exploration of the NIST definition, learners embark on a journey to comprehend the underlying concepts, architectures, and deployment models that underpin cloud computing, thereby laying a solid foundation for navigating the complexities of modern IT infrastructure and driving innovation in the digital age.



Objetivo general

UNIDAD 5

- Provide learners with a comprehensive understanding of cloud computing, rooted in the NIST definition, in order to equip them with the knowledge and skills necessary to navigate and leverage cloud-based technologies effectively.

Competencias a desarrollar

- Linguistic competence.

Linguistic Competence: Learners can develop proficiency in understanding and using the specialized vocabulary and terminology related to cloud computing, including terms such as virtualization, elasticity, and multi-tenancy. They will be able to articulate concepts, principles, and practices of cloud computing effectively in written and verbal communication.

Competencias a desarrollar

- Pragmatic competence.
- Sociolinguistic competence.

Pragmatic Competence: Learners will develop the ability to apply the principles and best practices of cloud computing in practical contexts. This includes understanding how to select appropriate cloud services for specific use cases, deploying cloud-based solutions efficiently, and troubleshooting common issues that arise in cloud environments. They will also gain insight into the practical implications of cloud computing for businesses and organizations.

Sociolinguistic Competence: Learners will acquire an understanding of the broader social and economic implications of cloud computing adoption. This includes recognizing the impact of cloud technologies on industries, economies, and society as a whole. Learners will be able to engage in discussions about the ethical, legal, and regulatory considerations surrounding cloud computing, considering factors such as data privacy, security, and accessibility.

Activación de saberes previos

Tiempo de ejecución: 4 horas



PLANTEAMIENTO DE LA SESIÓN

MATERIALES

- 1) Explain the technology idiom of the day.
- 2) Word search about cloud computing vocabulary
- 3) Socialize some keywords of the reading "The NIST Definition of Cloud Computing".
- 4) Reading:"The NIST Definition of Cloud Computing".
- 5) True/False activity.
- 6) Socialize key vocabulary about the video below "Cloud Computing Services Models - IaaS PaaS SaaS Explained"

- Reading:"The NIST Definition of Cloud Computing".

Activación de saberes previos

Texto... 	
PLANTEAMIENTO DE LA SESIÓN	MATERIALES
7) Watch the video "Cloud Computing Services Models - IaaS PaaS SaaS Explained"	• Video "Cloud Computing Services Models - IaaS PaaS SaaS Explained" • Reading: "What is cloud economics?"
8) Multiple- choice questions about the video	
9) True and false activity about the previous video.	
10) Before reading, explain what reading in context is.	
11) Socialize keywords about the reading "What is cloud economics?"	
12) Reading: "What is cloud economics?"	
13) Match the word to the definition (previous reading).	



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