

BOOTCAMP ARQUITECTURA EN LA NUBE

INTEGRADOR- MÓDULO 1



Contextualización de mis aprendizajes

In today's digital landscape, where organizations increasingly rely on cloud computing to store, process, and manage data, the importance of cloud security and privacy cannot be overstated. As businesses migrate their operations to the cloud to capitalize on its scalability, flexibility, and cost-effectiveness, they must also address the inherent security and privacy challenges associated with this transition. From data breaches and cyber attacks to regulatory compliance requirements, the complexities of safeguarding sensitive information in the cloud are manifold. Therefore, understanding the principles, practices, and technologies of cloud security and privacy is paramount for professionals in the field. This course aims to equip learners with the knowledge and skills needed to assess, implement, and manage robust security measures and privacy controls in cloud environments. By delving into topics such as encryption, access control, compliance frameworks, and threat detection, participants will gain a comprehensive understanding of how to mitigate risks and protect data integrity and confidentiality in the cloud.



Objetivo general

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- Provide learners with a comprehensive understanding of the principles, best practices, and technologies necessary to ensure the security and privacy of data in cloud computing environments.
- Equip learners to effectively mitigate security risks, comply with relevant regulations, and safeguard sensitive information across various cloud platforms and services.

Competencias a desarrollar

- Linguistic competence.

Linguistic Competence:

- Mastery of technical terminology related to cloud security and privacy, including concepts such as encryption, authentication, access control, and compliance.
- Ability to articulate security and privacy requirements, strategies, and solutions effectively in written and verbal communication within the context of cloud computing.

Competencias a desarrollar

- Pragmatic competence.
- Sociolinguistic competence.

Pragmatic Competence:

- Application of theoretical knowledge to real-world scenarios, demonstrating the ability to analyze security risks, devise mitigation strategies, and implement privacy-enhancing measures in cloud environments.
- Effective problem-solving skills to address security incidents, privacy breaches, and compliance challenges encountered in cloud-based systems.

Sociolinguistic Competence:

- Understanding the social and ethical implications of cloud security and privacy practices, including considerations of data sovereignty, user consent, and regulatory compliance.
- Collaboration and teamwork skills to engage with stakeholders, communicate security requirements, and negotiate privacy concerns in diverse organizational settings.

Activación de saberes previos

Tiempo de ejecución: 4 horas



PLANTEAMIENTO DE LA SESIÓN

MATERIALES

- 1) Word jumble game (review vocabulary about cloud architecture).
- 2) Before reading, explain to the students what inference reading is.
- 3) Inferring the meaning of some words based on the context.
- 4) Reading comprehension: "Cloud security and data privacy essentials, and why they matter".

Reading: Cloud security and data privacy essentials, and why they matter.

Activación de saberes previos

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PLANTEAMIENTO DE LA SESIÓN	MATERIALES
5) Gap fill activity about the previous reading.	Video: "Future of the cloud"
6) Marching game about the reading "Cloud security and data privacy essentials, and why they matter"	
7) Discussion questions about the future of the cloud.	
8) Video: "Future of the cloud"	
9) Multiple choice activity about the video	
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