Name of the course (Spanish):

Dominio de datos en la computación en la nube

Name of the course (English):

Data Mastery in Cloud Computing

Description of the course (Spanish):

Embárquese en un viaje de aprendizaje transformador con nuestro curso más nuevo, "Información basada en la nube: estrategias transformadoras para la excelencia de los datos". Este programa de vanguardia, centrado en Microsoft Azure y Snowflake, le proporciona las habilidades necesarias para aprovechar el poder de la nube para la gestión y el análisis de datos. Explore la perfecta integración de las sólidas capacidades de Azure y la plataforma de datos en la nube de Snowflake para desbloquear conocimientos incomparables. Manténgase a la vanguardia de la industria inscribiéndose en este curso y mejore su competencia en soluciones de datos basadas en la nube, preparando el escenario para una carrera exitosa y preparada para el futuro.

Description of the course (English):

Embark on a transformative learning journey with our newest course, "Cloud-Driven Insights: Transformative Strategies for Data Excellence." This cutting-edge program, centered on Microsoft Azure and Snowflake, equips you with the skills needed to harness the power of the cloud for data management and analytics. Explore the seamless integration of Azure's robust capabilities and Snowflake's cloud data platform to unlock unparalleled insights. Stay ahead in the industry by enrolling in this course and elevate your proficiency in cloud-based data solutions, setting the stage for a successful and future-ready career.

URL of Module: [Cloud Database Design and Migration Specialist](#)

Cost: $895

Mode: Virtual
Duration: 104 (Hours)
Name: Data Mastery in Cloud Computing (Module)

Module Contents:

COURSE	TOPIC	DESCRIPTION
Azure	Introduction to Cloud Computing (Private Cloud, Public Cloud, Virtualization, Data Centers)	Cloud computing is essential for understanding the foundational principles and benefits of leveraging cloud-based technologies. Cloud computing enables organizations to access computing resources, such as servers, storage, databases, and applications, over the internet on a pay-as-you-go basis.
Azure	Introduction to Azure (Azure Architecture, Azure Resource Manager, Azure Portal, Azure Pricing Policy)	Azure is Microsoft's cloud computing platform that provides a comprehensive suite of services, including computing, storage, networking, databases, AI, and IoT, enabling users to build, deploy, and manage applications and services with ease
Azure	Cloud Categories (IaaS, PaaS, SaaS)	Understanding cloud categories is essential for organizations navigating the landscape of cloud computing solutions. Cloud computing is typically categorized into three main categories: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)
Azure	Azure Storage (Storage Types, Disk Redundancy)	Azure Storage is a crucial component of Microsoft Azure, offering scalable, secure, and highly available cloud storage solutions for a wide range of data types
Azure	Azure SQL (Azure SQL Server, Azure SQL Database, Azure SQL Dedicated Pool, Azure Elastic Pool)	Azure SQL Server is a cloud-based relational database service offered by Microsoft Azure. It provides a fully managed platform for deploying, managing, and scaling SQL Server databases in the cloud, eliminating the need for on-premises infrastructure
Azure	PowerShell	PowerShell is a powerful scripting language and command-line shell that plays a crucial role in managing and automating tasks in the Azure environment
Azure	Data Migration Techniques	Data migration is a critical process for organizations transitioning to the cloud, enabling them to move databases, applications and other data assets from on-premises environments to Azure

Azure	Azure Data Factory (Linked Service, Data Sets, Pipelines, Activities, Trigger)	Azure Data Factory is a cloud-based data integration service provided by Microsoft Azure, designed to orchestrate and automate data movement and transformation workflows
Azure	Azure BI Services (Azure Analysis Services, AzureSynapse Analytics, Power BI with Azure)	Azure BI Services encompass a suite of cloud-based tools and services offered by Microsoft Azure for building, deploying, and managing business intelligence solutions
Snowflake	Snowflake Architecture	Snowflake Architecture is a modern cloud-based data platform that offers a unique and innovative approach to data warehousing and analytics
Snowflake	Snowflake Pricing Model	Snowflake's pricing model is designed to offer flexibility and transparency to users, ensuring that organizations pay only for the resources they use
Snowflake	Micropartitions	Micropartitions are a fundamental component of Snowflake's architecture, designed to optimize data storage and query performance in the cloud
Snowflake	Clusters	Clusters are a key feature of Snowflake's architecture, enabling organizations to achieve high performance and concurrency for their data workloads
Snowflake	Caching	Snowflake employs a sophisticated caching mechanism that stores frequently accessed data and query results in memory, improving response times for subsequent queries.
Snowflake	Time Travel	Time Travel is a powerful feature in Snowflake that enables users to access historical data and track changes to their data over time. With Time Travel, users can query data as it existed at specific points in the past, providing insights into historical trends, analysis, and audit trails
Snowflake	Zero Copy	Zero copy is a key optimization technique used in Snowflake's architecture to minimize data movement and improve query performance. With zero copy, Snowflake avoids unnecessary data transfers by allowing compute resources to directly access data stored in cloud storage without intermediate copies
Snowflake	Accounts and Roles	Accounts and Roles are fundamental components of Snowflake's security model, enabling organizations to manage access control and permissions for their data and resources.
Snowflake	Resource Monitor	Resource Monitor is a critical tool in Snowflake that allows organizations to monitor and manage the usage of compute resources across their data workloads
Snowflake	Snowpipe and SnowSQL	Snowpipe and SnowSQL empower organizations to streamline data workflows, automate data loading processes, and perform complex data analysis tasks with ease