Glossary terms from module 1

Terms and definitions from Course 1 Module 1

Cloud computing: The practice of using on-demand computing resources as services hosted over the internet

Cloud data analytics: The process of collecting, storing, managing, organizing, transforming, and analyzing large volumes of data using cloud-based services and solutions

Cloud data warehouse: A large-scale, data storage solution hosted on remote servers by a cloud service provider

Data center: A physical building that contains servers, computer systems, and associated components

Google BigQuery: A data warehouse on Google Cloud used to query data, filter large datasets, aggregate results, and perform complex operations

Infrastructure as a service (IaaS): A cloud computing model that offers on-demand access to IT infrastructure services, including hardware, storage, networking, and virtualization tools

Managed service: The act of a third-party provider taking care of the ongoing maintenance, management, and support of an organization's cloud infrastructure and applications

Measured service: A service that charges users only for what they use, based on the number of transactions, the storage volume, and the amount of data transferred

On-premises: Information technology infrastructure that is physically located in an organization's own data center or office

Platform as a service (PaaS): A cloud computing model that provides hardware and software tools to create an environment for the development of cloud applications, simplifying the application-development process

Software as a service (SaaS): A cloud computing model that provides users with a licensed subscription to a complete software package

Traditional computing: A computing model that enables data storage, access, and management through the use of physical hardware and software within a network infrastructure, typically located on-premises

Uptime: The amount of time a machine is operational

Virtualization: Technology that creates a virtual version of physical infrastructure, like servers, storage, and networks