

SPEAKER: PROF. VIRGINIA I. CAINTIC

Philippine Delegate, 8th Annual Library Leadership Institute, April 2010, Beijing, China; Assistant Vice-President, Learning and Information Center, University of Mindanao; and President, Mindanao Alliance of Educators in Library and Information Science (MAELIS)

Topic:

Cloud Computing for Networked Libraries and Information Centers

ABSTRACT:

Cloud computing is [Internet](#)-based [computing](#), whereby shared resources, software, and information are provided to [computers](#) and other devices on demand, like the [electricity grid](#). Cloud computing is a [paradigm shift](#) following the shift from [mainframe](#) to [client-server](#) in the early 1980s. Details are abstracted from the users, who no longer have need for expertise in, or control over, the technology infrastructure "in the cloud" that supports them. Cloud computing describes a new supplement, consumption, and delivery model for IT services based on the Internet, and it typically involves over-the-[Internet](#) provision of dynamically [scalable](#) and often [virtualized](#) resources. It is a byproduct and consequence of the ease-of-access to remote [computing](#) sites provided by the Internet. This frequently takes the form of web-based tools or applications that users can access and use through a [web browser](#) as if it were a program installed locally on their own computer. The term "cloud" is used as a [metaphor](#) for the Internet, based on the cloud drawing used in the past to represent the telephone network, and later to depict the Internet in [computer network diagrams](#) as an [abstraction](#) of the underlying infrastructure it represents. Typical cloud computing providers deliver common [business applications](#) online that are accessed from another Web service or software like a [Web browser](#), while the [software](#) and [data](#) are stored on [servers](#). A key element of cloud computing is customization and the creation of a user-defined experience. [Accessed from Wikipedia]