ABSTRACT

Cloud Computing (cloud computing) is a model where the server service allows the sharing of computing resources (such as storage, CPU, memory, network bandwidth, etc) is centralized, structured, and scattered on the access network on demand (on-demand). Cloud Computing Technology is growing so that it can be applied to virtually or physically to meet the needs of a significant number of consumers at the same time (multiple-tenant), and manage a system of minimal swiftly attempted may by service providers. In this Cloud Computing has three (3) models of service i.e. one is Software as a Service (SaaS) infrastructure that is provided is the owner (the provider) to the consumer to use a service application that is running on a network. At this time the Faculty of applied sciences requires the storage of the files the task forces for each deposited to the lecturer, file sharing, synchronization, and others without having to use other service providers cloud storage to store data. Where the data center is located in the Faculty of applied science to minimise the problems that will occur if you are using other service providers or third parties, so it takes a Seafile as one of the open source applications that have a cloud storage service synchronized with multiple users either in private or public. This Seafile support using the windows operating system or ubuntu, and it has several features such as a structured file storage using a library, accessible for the public as well as private, file sharing, data backup and recovery.

Keywords: Cloud Computing, Software as a Service, Seafile