ABSTRACT

In the development of such technology, routine work that uses a computer network system is still very high. The data is processed and stored on a particular system the longer it will be growing, so it takes the place of storage or large storage. Therefore, it was chosen as the technology of cloud computing technology to solve the problem.

Basic construction of this cloud computing network using a web-based application ownCloud server. OwnCloud is a web development server implements the Raspberry Pi (model B) which will be the main medium of the operating system and open source applications such as Raspbian, ownCloud, Webmin, MySQL, and several other supporting media such as hard disks, heat sinks, SD card and Ethernet cable .

Development of cloud computing network is aimed at cost efficiency and more flexible storage media. In addition, this practical mini Home Server is used as storage media for documents, when seen from the point of view of the advantages of cloud computing networks such as ease of access to do a job, then the user does not need to be in front of a computer. So with the mini Home Server can be used as a basis for the development of cloud computing and networks are expected to provide data processing work function more effectively and efficiently.