

***Build Proxy Server Using Captive Portal Authentication In Networking Virtual
Local Area Network (VLAN)***

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ABSTRACT

Internet is needed in daily life so that the security of a network is needed to improve the Quality of Service (QOS). The number of users in a network can degrade performance on the existing resources, so that the need for improvements to the system to minimize the problem, either by adding an authentication. The role of an authentication is required in networks with authentication every user can use the service after the consent of the provider or the service provider and also an authorization or rules to impose limits on each use you to avoid the use of resources that are not reasonable. Not only use authentication, when a user uses Internet services, content provided quite diverse so we need a filter to improve the safety and comfort of the user in accessing the Internet. In a network also needed a mapping in the network, with the aim to facilitate the clustering and network management. From the system that made then each connected user will be through the authentication server, and passes the proxy port on any virtual network.

Keywords : *QOS, authentication, filter, clustering*