Companies in this modern era certainly require a maximum and good network with the purpose of the company's performance is steadfast and more effectual. A company's network can be overloaded if numerous users access it into one access point. To overcome this problem, companies certainly need various access points with the intention of each user can access different access points so as to the network is not easily overloaded. To create access points in large numbers, researchers designed a virtual access point (VAP) using a virtual local area network (VLAN) on CAPsMAN.

CAPsMAN is a feature in the proxy that aims to control, configure and monitor access points in large numbers centrally. With the use of CAPsMAN, it is expected that the performance of the company's network administrator can work more efficient and reliable.

Keywords: Virtual access point, Virtual local area network, CAPsMAN