

ABSTRACT

Field work practices in configuring point-to-point wireless networks between buildings that will allow multiple buildings to use the same backbone for internet connectivity. Wireless networks are one of the best alternatives for building practical, flexible, and highly mobile computer networks. Many institutions utilize wireless networks to support existing cable networks, but in reality, these wireless networks still rely on cable media as the backbone for access points. This is done to enable users to access the internet and search for information services. The challenge with using cables as the backbone is that it can be problematic in locations that are difficult to reach by cables. Wireless networks provide high convenience, flexibility, and comfort for users. As long as users are within the coverage area of the wireless network, they can access the internet at any time. Typically, each user can utilize the available wireless network services. Wireless Point-to-Point involves a wireless communication connection between two points, where one host is connected to only one client. The configuration of Wireless Point-to-Point (P2P) networks involves two MikroTik devices and directional antennas. The implementation of Wireless Point-to-Point on MikroTik requires a minimum RouterOS level 3 license with bridge-station mode.

Keywords: wireless network, wireless point-to-point, point-to-point configuration