ABSTRACT

PROTOTYPE OF REMOTE ACCESS VIRTUAL PRIVATE NETWORK USING SECURE SOCKET LAYER METHOD

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VPN (Virtual Private Network) is a communications technology that enables users to be connected to a public network and use it to join the local network. This private network as if it is accessing the local network but use the public network. VPN allows formed a private data network that can be accessed through public networks like the Internet, and can only be accessed by parties who have authority.

Remote Access VPN is one that serves the implementation of the VPN to access remotely to a private service that is accessed via a public network. Secure Socket Layer (SSL) VPN is a data communication protocol mechanisms that can be used in remote access VPN using the concept of asymmetric encryption for key and certificate-based mechanism.

Remote Access VPN to process data communications using SSL protocol, will perform encryption on the key and the encryption of data transfer process from the server to the client or vice versa by using encryption algorithms, so that the host is connected to a VPN network can make a secure connection

Keywords: VPN, Remote Access, SSL, Encryption