

Implementation of Virtual Private Network for QUEST Network

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Abstract:

A Virtual Private Network is a Network that uses Internet as a medium to connect the two parties that want to share information, resources, and private/sensitive data or enjoy the full resources of the network that one wants to be connected to.

Internet is the most unsecured place, so it is difficult to share sensitive data, solution is using a (VPN) a virtual private network, a network that is exclusively for the client and the organization, where no one can trespass, further more as it is just a virtual connection it saves cost of the organization by providing an alternate to physical network.

Quaid-e-Awam University has introduced its branch at Larkana, so there is no any connectivity between the two parts of the university, if the university wants to make a physical connection with cables it will cost too much.

This project is the idea of connecting the two campuses of Quaid-e-Awam University via Virtual Private Network by implementing a server at Nawabshah so that many clients can be part of organizational network from Larkana campus. That will save the University's valuable finances and it is very easy to troubleshoot.