

Cis204 u4 discussion

Technology, Information Technology



Establishing a Wide Area Network (WAN) for a Resort al Affiliation

Establishing a Wide Area Network (WAN) for a Resort Introduction

Wide Area Networks (WAN) are computer networks used to develop connections between several areas. These areas might be spread out across wide geographical locations. WANs can also be used to create connections between smaller networks such as LANs and MANs (Edraw 2015). For the skiing company in Stratton, a computer network can be created between the company's site and the newly established branch in Stowe. The most recommended technology would be the Virtual Private Network, since it fits the organizational needs and the budget as well.

VPNs are known to establish a connection through a Public Switched Network (PSTN). The connection created in the WAN is however private and secured, and cannot be accessed by the public. VPNs are good at establishing business connections between two sites using the IPsec or the Internet Protocol Security (IPS). The reason as to why this technology has been recommended to the company is the security in information flow. The technology is also good for connecting man sites, which can be helpful for customer care services. The numerous rooms in the hotel premise can all be connected to the customer care.

Advantages of this type of technology is the cost associated with establishing it (Thrivenetworks 2015). Companies can establish the network at a cheaper price than in any other technologies used. The network is also highly protected from access by unauthorized people. This security ensures more secure communication by the people in it. For growing companies, this technology proves to be the most ideal as it does not need addition of other

components so as to accommodate new users (Thrivenetworks 2015).

Disadvantages of this technology are the complexity involved when there is addition of new infrastructure, and the security issues involved when using a mobile device to establish connection (Thrivenetworks 2015).

Conclusion

WAN establishes a computer connection between two points. Several technologies can be used to establish connections between sites. VPN connection proves to be the best for business organizations due to the low cost and high level of security. For the business organizations, the best option for wireless solution would be a Cisco Network. The network could be configured to have a central switch board for easy control. This system would also be highly compatible with the VPN technology established.

References

Edraw. (2015). Wide Area Network Technologies - Design and Implement High-quality WAN Networks. Retrieved from <http://www.edrawsoft.com/Wide-Area-Network.php>

Thrivenetworks. (2015). The Pros and Cons of Using a Virtual Private Network. Retrieved from <http://www.thrivenetworks.com/blog/2011/07/28/the-pros-and-cons-of-using-a-virtual-private-network/>