The Study of Advanced Campus Network Application and Integration Model - A Case of Da-Yeh University

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ABSTRACT

How to use the campus network to manage and integrated applied for networking worker has been the major works for them. In the planning and management fields, the most important issue is to save the cost, then to expand and promote the bandwidth and transmission of external networking. About the integrated application fields, the most important issue is how to use the networking devices with some methodology for an advance transport bandwidth. In the case of campus networking environment of Da-Yeh University, this research is devoting into the following theories and applications: Cache Server, L4 switch, NAT (Network Address Translation), ICP (internet communication protocol), WCCP (Web cache communication Protocol), and TCP/IP (Transport Control Protocol/Internet Protocol) for the campus networking applications. In the discussion and simulation design with literature review chapter, this research has completed in efficacy analysis processes. In the further steps, we try to adjust the whole construction of an efficiency integrated networking planning. About the integrated networking systems, we express them in networking structure and explain the system setting up processes step by step. Fortunately, the results of systems running is very smoothly and useful. Hopefully, it can be a best practice for the institutions and enterprises.

Keywords: ADSL, Proxy Server, Cache Server, Load Balance.

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