

ABSTRACT

Title : **Integrating Wireless to Wired LAN at PT Globalindo Technology**
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Nowadays, networking almost be the most important thing in bussiness. Networking is used for communication and also for data sharing. Without networking, bussiness will face many difficulties. When technology is growing so rapid, that means user mobility also growth. Now user who have notebook can join into the Local Area Network (LAN) easily without using wire or cable and then user can connect to the internet. This is called wireless LAN. Beside that, wireless LAN can also be used on Personal Digital Assistance (PDA) and even on cellular phone. Because of that reason, wireless LAN will be used as solution in this fieldwork report.

This fieldwork report is written based on current network in PT. Globalindo Technology. The current network in PT. Globalindo Technology divide into two parts, Local Area Network (LAN) and Wide Area Network (WAN) but only LAN will be discussed here. Overall, the network have good performance. But, the network can not support user's mobility.

For increase the mobility of the network, will recommended for integrating wireless to wired LAN to support mobile user. Wireless network will need access point. In this paper, will recommended Cisco Aironet 1100 Series, because this access point have good quality, simple implementation and also good enough to support the mobility.

(v + 57 pages : 8 tables, 31 pictures)
References : 29 (1999 – 2005)