

ABSTRACT

Cisco Router is the main router and widely used within a wide area network or WAN. With Cisco router, the data information can be forwarded to many addresses that operates at different network and beyond geographic scope of LAN. Because the advanced functionality of router, and as the internet connection growing, router is widely used at this situation. The manufacturers of router are greatly grows too.

Getting a Cisco Certified Network Associate (CCNA), an international certificate that Cisco created, is not an easy task. There is a need to know the basic of networking based of the first semester curricullum of CCNA.

This final project was build a Computer Assisted Instruction that will be used to help user to learn knowledge needed for taking a CCNA first semester certification exam. There is variety of knowledge from knowing an OSI model, subnetting technique, and other material that refers to basic of networking for getting a CCNA first semester certification.

This application for learning is made using tools such as Macromedia Flash 8, Adobe Photoshop CS, and using XML as the database.

Keyword : *ccna first semester, subnetting, flash, xml.*