

STUDY ON .NET FRAMEWORK AND TO IMPLEMENT A PROTOTYPE OF INTRANET RADIO BROADCASTING SERVICE BASED ON CLIENT SERVER ARCHITECTURE

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ABSTRACT

On today's Internet, real time multimedia networking is playing an important role. Multimedia networking is to build the multimedia on network and distributed systems, o different users on different on machines can share image, sound, video and voice to communicate with each other. This project studies on the latest web service technology to implement a web based radio broadcasting application, which enable people to set up their own station for business or entertainment, and supports other radio station operation and management service, such as music library update and management, song dedication services and audience information management. Besides, the project investigate the essential demands for client-server architecture in real time streaming application; server station can compressed audio sources to multiple client stations simultaneously. In additional, the project also concerns with how to setup radio broadcasting within the Intranet, therefore the study also includes how to distribute streaming data through networks and their supported protocols, and audio compression techniques and formats. Finally, the project would demonstrate the functionality of a digital radio station.