

ABSTRACT

IP multicasting technique could be used to covered the weaknesses of P2P system especially related to clients and network resources. With IP multicasting technique, system traffic would be reduced because user only have to send one copy of packet/datagram. Multicast router make copies of incoming data and distribute them to a multicast tree. In this Final Task, implementation of IP multicasting over P2P systems has been done by simulating application such as videoconference system along with the assumptions and approaches according to recently standardizations. Finally, we will have the most suitable routing protocol which could be implemented on P2P systems.

Keywords: P2P, multicast, routing protocol, intra-domain, inter-domain, throughput, end-to-end delay, packet loss.

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