ANALYSIS AND IDENTIFICATION OF PEER-TO-PEER TRAFFIC IN THE WIDE BACKBONE

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TÓM TẮT:

Nowadays, P2P applications account for very high percentage of Internet traffic. As a result, P2P traffic identification is very important in network planning, security, QoS, etc. In particular, ISPs can utilize this data to adapt their policy in order to improve network performance. In this paper, we introduce a new method of P2P traffic identification base on flow timeout feature which can increase the accuracy of the identification process up to 100% in comparison with traditional methods. The experiments were performed base on trace data of WIDE (Widely Integrated Distributed Environment) backbone, the trans-Pacific backbone connect Japan and North America. Some characteristics of P2P traffic of today Internet are also analyzed and given in this study