A Hybrid Technique to Identify Peer-to-Peer Internet Traffic

Abstract

Over the past few years, Peer-to-Peer traffic has been consuming a lot of Internet traffic bandwidth and is still rising which brings great difficulties to network management. Traditional classification techniques such as port based and payload based have significant limitations. Hence, newer statistical approaches are adopted for P2P identification. P2P traffic uses both TCP and UDP protocols for communication. This paper provides a technique to identify P2P traffic, which focuses on significant TCP and UDP features and utilizes C4.5 decision tree algorithm.

References

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