

Wittawat Mongkonnawasatian 2014: A Case Study of Comparison Performance and Characteristic of Live Streaming IPTV Applications. Master of Science (Computer Science), Major Field: Computer Science, Department of Computer Science. Thesis Advisor: Assistant Professor Sukumal Kitisin, Ph.D. 57 pages.

Nowadays, P2P live-streaming applications are becoming very popular. People can watch varieties of TV channels via many different IPTV applications over the Internet. End users' behaviors have changed and they too can be one of the broadcasters. Many P2P live-streaming applications were developed based on proprietary protocols of the owners.

In this paper, experiments are done on commercial IPTV applications -- Sopcast, PPTV, TVUPlay live-streaming applications and Goalbit, an Open Source application in order to study their performance. The result shows their performance and characteristics of those applications.

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Thesis Advisor's signature