Reducing the Download Time in Stochastic P2P Content Delivery Networks by Improving Peer Selection  
by  
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**What research problem was the reviewed dissertation trying to address?**

The research problem is that Peer-to-Peer (P2P) networks take up enormous portions of the open Internets bandwidth (Zuo & Iamnitchi, 2016). The P2P consuming so much bandwidth on the open internet is a problem because of the congestion put on Internet Service Provider’s (ISP’s) networks.(He, et al., 2016) Because open networks get saturated with high bandwidth inefficiency P2P traffic, other applications can see reduced performance(Ijaz, Saleem, & Welzl, 2013) The congestion in turn leads to poor user experience through low throughput and intermittent inefficiency. (Brienza, et al., 2016)

- Uses a couple techniques

-Still creates overhead to has a few issues.

they do not monitor the current service capacities and are unable to switch to a new peer in the event that a poor performing peer was selected or the currently selected peer’s performance degrades.

**What was the research goal of the reviewed dissertation?**

How to increase P2P networks so that they dont take up bandwidth

**What evidences (literature, data, etc) was presented to support the reviewed dissertation research and achieve the research goal?**

Lit section 2

Data section 4

**What research methodology used and who claim this methodology is valid?**

Section 3

**What were the findings of the reviewed dissertation research?**

“This research developed a new peer selection strategy for selecting server peers in a

P2P content delivery network that further reduced the download time by making an

informed decision on which peers to select. “

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**Certification of Authorship of Doctoral Course Assignment**

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Submitted to: Dr. Yair Levy

Student’s Name: Eric Webb

Date of Submission: November 27th, 2022

Purpose and Title of Submission: Assignment #2 Pre-Idea Paper “Defending Against Centralization via Asynchronicity.”

Certification of Authorship: I hereby certify that I am the author of this document and that any assistance I received in its preparation is fully acknowledged and disclosed in the document. I have also cited all sources from which I obtained data, ideas, or words that are copied directly or paraphrased in the document. Sources are properly credited according to accepted standards for professional publications. I also certify that this paper was prepared by me for this purpose.

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