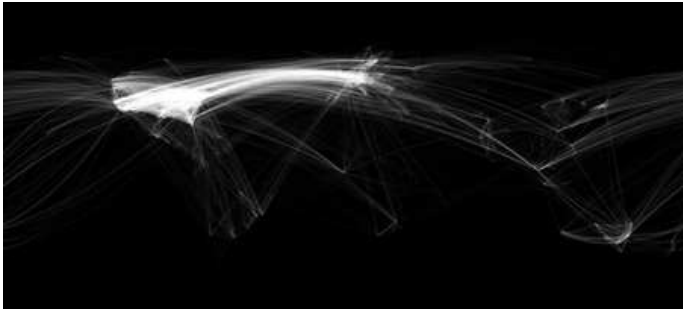


bittorrent protocol: priority evaluation

ensc 427 project - group 7



abstract

Peer-to-peer file sharing is one of the biggest consumers of bandwidth in the Internet. BitTorrent is one of the most used file sharing protocols and thus, we will examine its effectiveness. Using ns2 as our simulator, we can examine the protocol in more depth. The key to the BitTorrent protocol operation is established via a TCP connection between the peers, and seeds in the swarm. The more clients in the swarm, the faster file transfer may occur. However, some users choose to limit their sharing ratio, hurting the health of the swarm. Using ns2 we will examine priority sharing in a swarm where good sharing ratio users get priority in downloading in hopes to allow the swarm as a whole to finish downloading sooner.

[full report](#)

[presentation](#)

[videos](#)

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