Nowadays, there are many applications of peer-to-peer (P2P) networking system such as chat rooms, bit-torrent downloads (fOxy, E-Donkey) and video-streaming systems (cool stream, TVants). The advantage of using peer-to-peer system is that every peer (user) in the system has to be responsible for sharing the received pieces of a multimedia file with other peers.

This project aims at developing an IPTV system which allows users to receive video delivering service. The system can benefit from P2P networking, peer node can share pieces of the video segmentations at hand. Therefore, the number of users supported by the system can be increased by relieving the consumption of the resources on the server.

Generated by Video Lan Client player (VLC) in the server program.

After redirecting UDP packets from the client-to-client connections, the sequences of the received packets are no longer in order. An alternative algorithm is required to sort the UDP packets.