TrackerLess torrents DHT, PEX, Magnet Links



Main Technologies

- DHT: is used to find the IP address of node storing some data.
- Magnet links: torrent files hashes.
- PEX : Peer EXchange : another means of finding IP addresses, it leverages the knowledge of peers you are connected to, by asking them in turn for the addresses of peers they are connected to.

Name	Status	Update In	Seeds	Peers
[DHT]	working	19m 2s	102	575
[Local Peer Discovery]	working		.0	14
[Peer Exchange]	working		537	5501
http://tracker.openbittorrent.com:80/announce	working	20m 10s	530	4701
http://tracker.publicbt.com:80/announce	working	20m 34s	305	3486

Magnet Links

- Traditionally, .torrent files are downloaded from torrent sites. A torrent client seeks the addresses of peers from a tracker before connecting to those peers and downloading the desired content.
- Given the torrent hash passed as a parameter within a Magnet link – clients immediately seek the addresses of peers from the DHT network and connect to them to download first the torrent file, and then the desired content.

How it works?

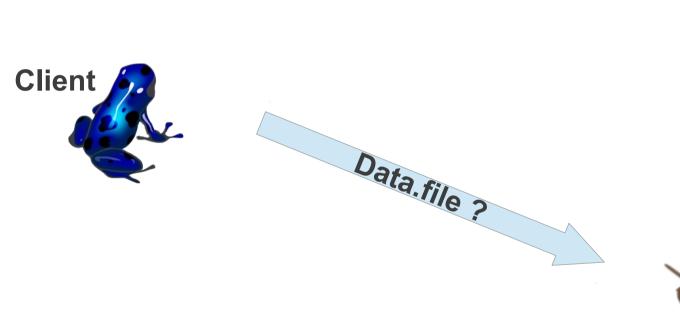
Client want to get Data.file

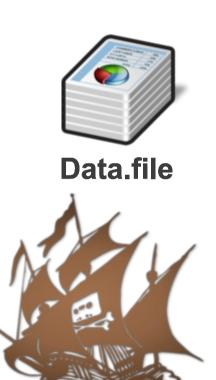






With torrent file Client contact a tracker





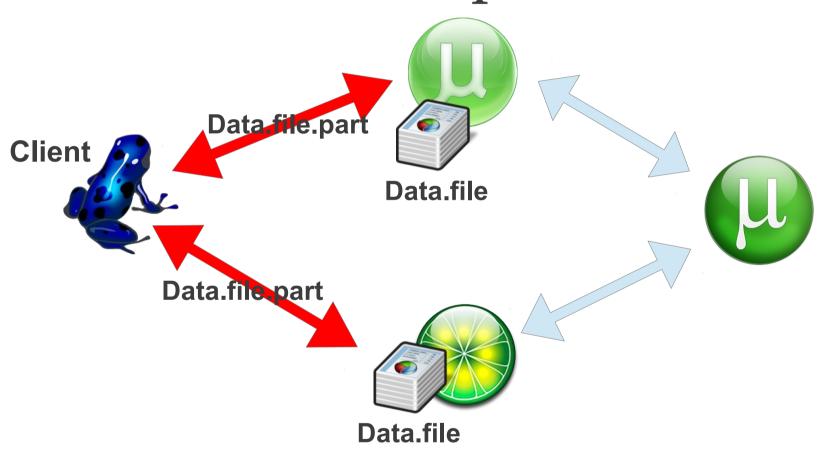
The Pirate Bay

Client receive a torrent file as response

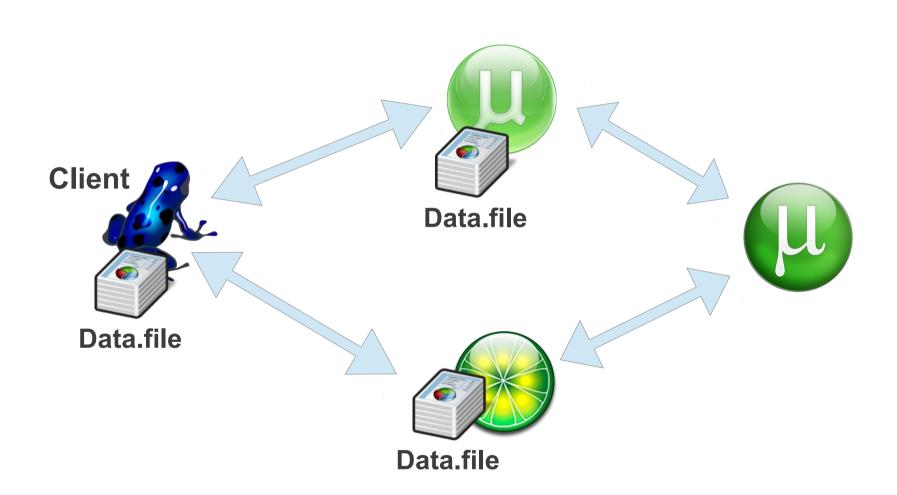




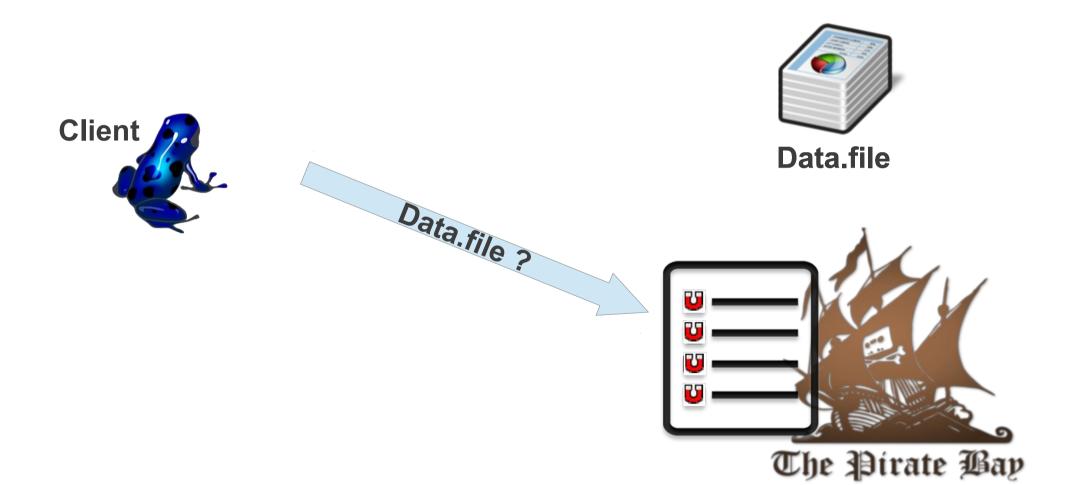
Client start downloading from other peers



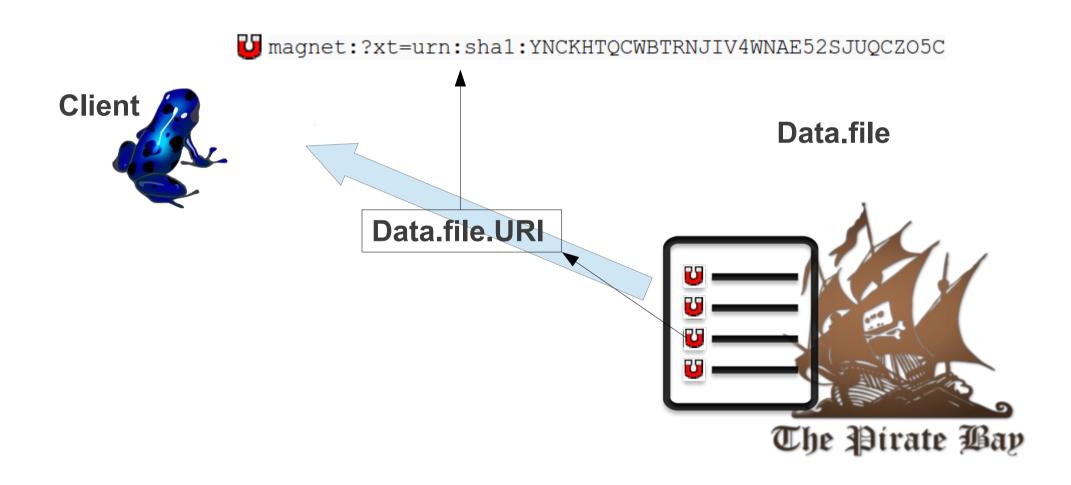
Client get the asked file



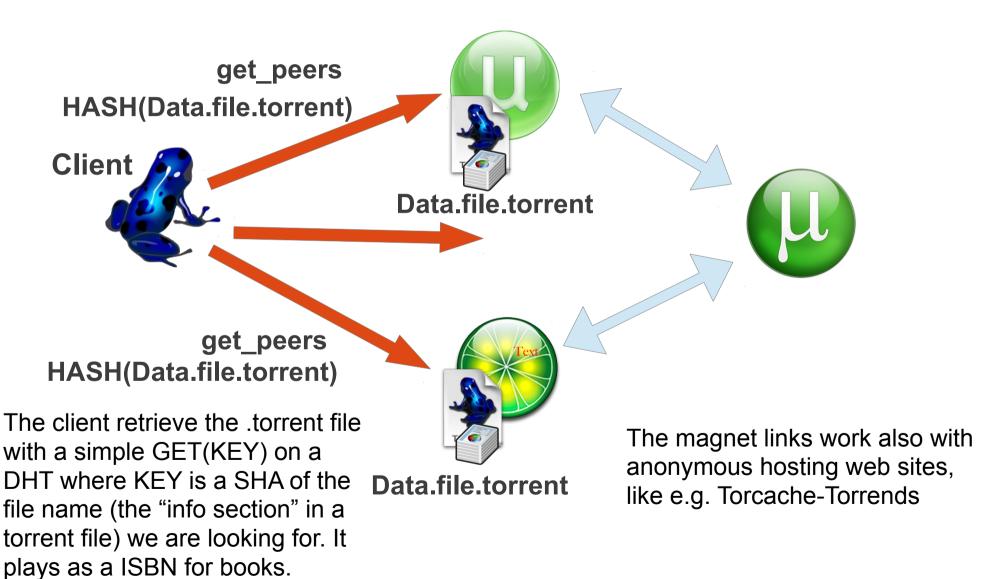
With Magnet Link Client contact Indexer



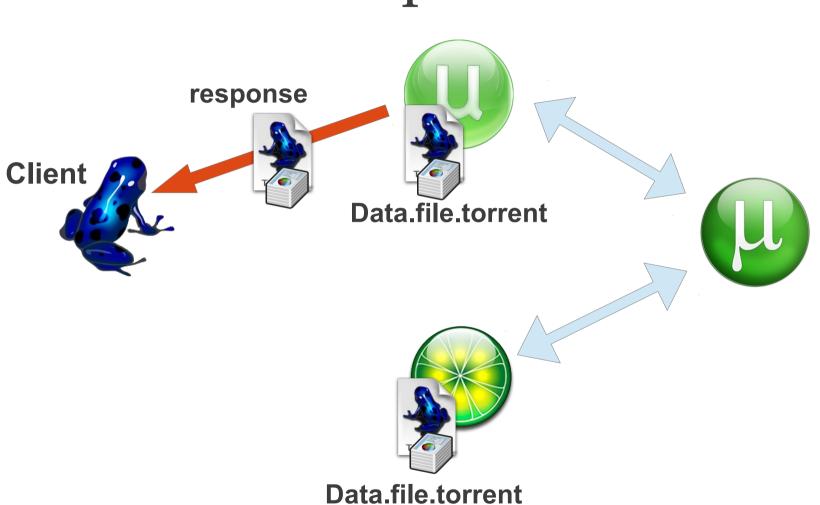
Client will receive an URI



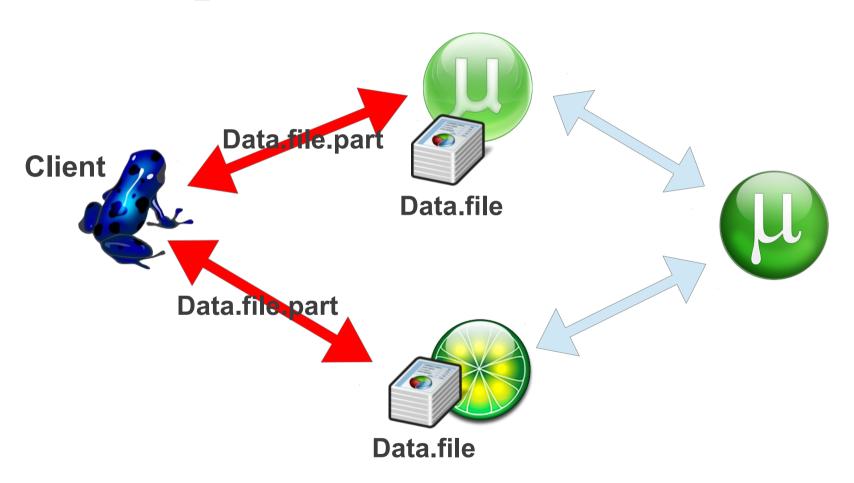
Client ask for the torrent file corresponding to the received URI



Client download torrent file from peer



Client start downloading requested data from Peers



Client get the requested data

