

# WORKING OF TORRENT SITES

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# FILE SHARING







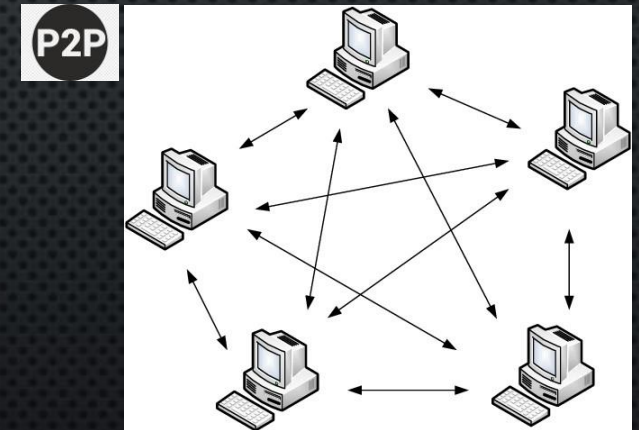
## INVENTED BY

- BRAM COHEN

**BRAM COHEN** FROM THE UNIVERSITY  
OF BUFFALO CREATED TORRENTS IN  
APRIL 2001

# WHAT IS A TORRENT?

- A TORRENT IS A FILE SHARED THROUGH A DECENTRALIZED, PEER-TO-PEER (P2P) SHARING NETWORK. P2P FILE SHARING ALLOWS USERS TO EXCHANGE FILES WITHOUT UPLOADING THESE TO A SERVER. THE TERM MAY ALSO REFER TO THE FILE NAME EXTENSION OR METADATA THAT TELLS TRACKERS- PROGRAMS THAT COORDINATE THE TRANSFER OF TORRENTS- WHERE TO GET TORRENT FILES.





# WHAT IS TORRENTING?



- TORRENTING IS THE PROCESS OF UPLOADING OR DOWNLOADING THE COMPONENTS THAT MAKE UP A TORRENT FILE FROM SEVERAL PEERS OR COMPUTERS. THE SHARED NATURE OF TORRENTING MAKES THE PROCESS FASTER THAN UPLOADING OR DOWNLOADING A LARGE FILE ONTO A CENTRAL SERVER.
- TORRENTING DOESN'T RELY ON HOW FAST THE CENTRAL SERVER IS. INSTEAD, IT SPLITS A LARGE FILE INTO MORE MANAGEABLE COMPONENTS, SPECIFICALLY SMALLER BITS, FOR TRANSMISSION TO AND FROM MULTIPLE COMPUTERS. THE LARGER THE NUMBER OF PEERS AVAILABLE FOR FILE TRANSFER, THE FASTER TORRENTING GETS.

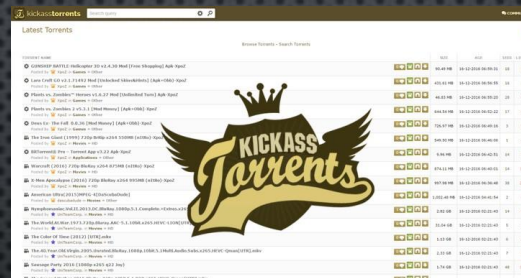
# SOME KEY TERMS

- **SWARM** : A **SWARM** IS JUST A GROUP OF PEOPLE, INCLUDING YOU, THAT OWN A PARTICULAR FILE (OR PIECES OF THE FILE). EACH **SWARM** IS PER **TORRENT**.
- **TRACKING** : TORRENT TRACKERS ARE SERVERS THAT **KEEP TRACK OF THE PEERS WHO ARE AVAILABLE AT THE MOMENT TO OFFER YOU THE REQUESTED FILES**
- **SEEDING** : **SEEDING MEANS SHARING A FILES WITH OTHER PEERS.**
- **LEACHING** : A LEECH, ON THE OTHER HAND, IS A **BITTORRENT USER WHO DOWNLOADS THE FILES SHARED BY THE SEEDS AND DOES NOT SEED BACK TO OTHER USERS.**



# TWO MAJOR THINGS

- TORRENT WEBSITE :



- TORRENT CLIENT :



# IS TORRENTING ILLEGAL?

## NO!!!

THE ACT OF SHARING FILES VIA TORRENT SITES IS NOT ILLEGAL IN ITSELF. IT ONLY BECOMES ILLEGAL WHEN A USER UPLOADS OR DOWNLOADS COPYRIGHTED MATERIAL THROUGH A TORRENT CLIENT OR WEBSITE.



**THANK YOU....**