



What is Peer to Peer?

Dangers

P2P software is by far the most dangerous threat on the Internet.

Data is stored on other users hard drives and shared across the network.

This makes any limitations, restrictions, laws or standards governing content, impossible.

Most of the information exchanged is Pornography and Music.

Innocent search words will sometimes return a high percentage of porn results

Most of the information exchanged is illegal, bypassing copyright laws.

Monthly Pornographic downloads (Peer-to-peer) 1.5 billion (35% of all downloads)

Daily Gnutella "child pornography" requests 116 thousand



Peer to Peer – what does it look like?

Specify
Movie
Music
Images
Software

Available results
275

Type in
Search
word

Chosen results.
progress time till
completion

The screenshot shows the LimeWire application window. The search bar contains the word "speeches". The results list shows various MP3 files related to speeches, including those by John F. Kennedy, Mahatma Gandhi, George W. Bush, and Winston Churchill. A download progress table is visible at the bottom, showing the status of selected files.

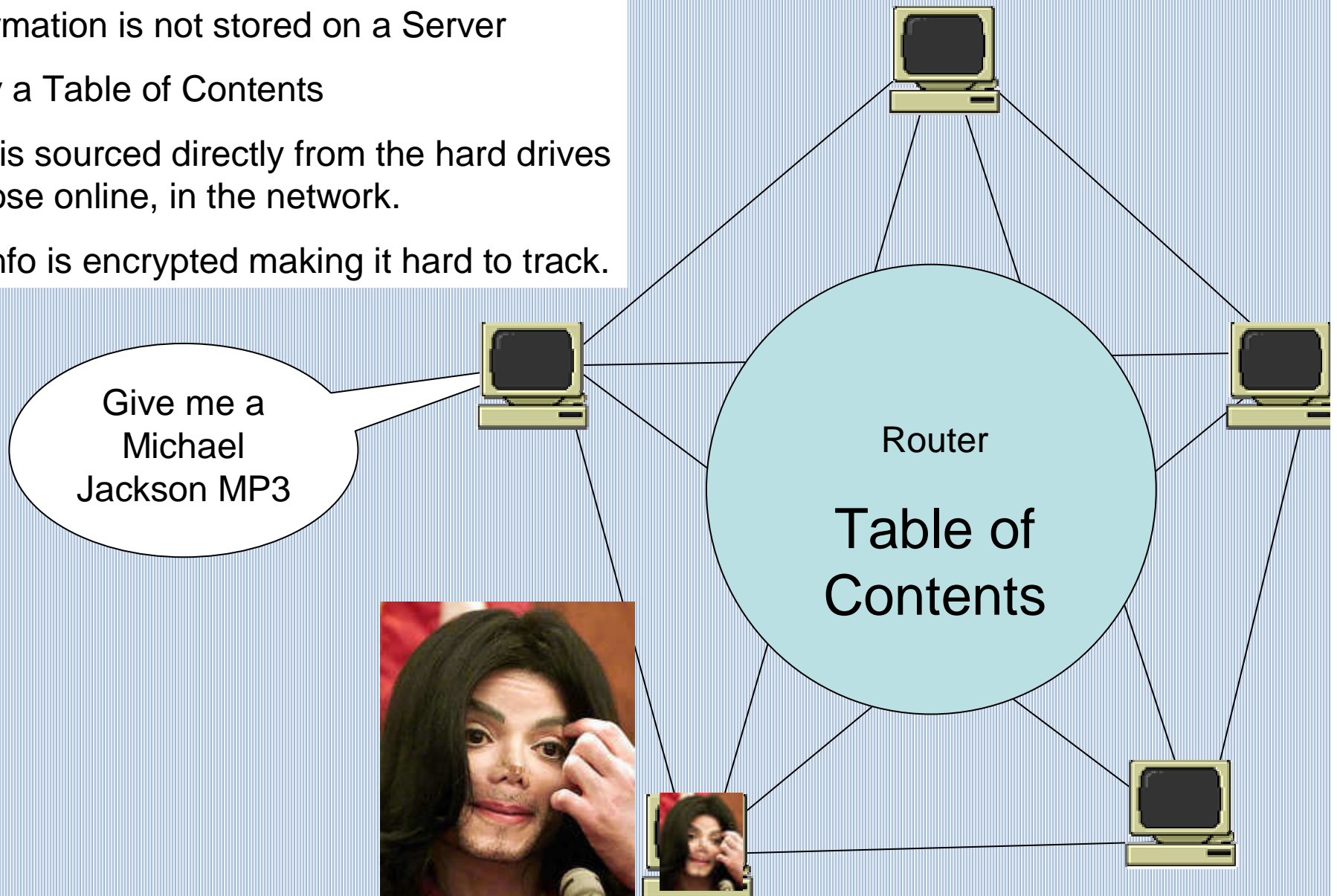
Quality	#	Name	Type	Size	Speed	Bitrate
✓		Great Speeches - John F Kennedy - Ask not...	mp3	1,447 KB	Modem	128
✓		Great Speeches - Mahatma Ghandi - His Spl...	mp3	2,506 KB	Ethernet	128
✓	11	Not So Great Speeches - George W Bush - A...	mp3	496.4 KB	Modem	160
★ ★ ★ ★ ★	2	Great Speeches - Mahatma Ghandi - His Spl...	mp3	3,128 KB	Cable/DSL	128
★ ★ ★ ★ ★	12	Audio Books - Great Speeches - Winston Ch...	mp3	2,310 KB	T1	320
★ ★ ★ ★ ★		Great Speeches - Mahatma Ghandi - His Spl...	mp3	717.6 KB	T1	128
★ ★ ★ ★ ★	2	Great_Speeches--Mahatma_Gh	mp3	1,408 KB	Modem	128
✓		Great Speeches - Speeches - Ronald Reaga...	mp3	326.8 KB	T1	160
★ ★ ★ ★ ★		Great-Speeches--1930-George-Bernard-Sha...	mp3	2,126 KB	Cable/DSL	128
★ ★ ★ ★ ★		Great Speeches - Adolf Hitler is Dead - WW...	mp3	147.2 KB	Cable/DSL	64
★ ★ ★ ★ ★		Great Speeches - Adolf Hitler - WW2 Sieg Heil	mp3	1,590 KB	Cable/DSL	128
★ ★ ★ ★ ★		Great Speeches - Adolf Hitler is Dead - WW...	mp3	7,129 KB	Cable/DSL	192
★ ★ ★ ★ ★	2	Great Speeches - Bobby Knight's Half Time ...	mp3	1,222 KB	Cable/DSL	128

Name	Size	Status	Progress	Speed	Time
Audio Books - Great Speeches - Winston Chur...	2,310 KB	Downloading fr...	33%	14KB/s	
Great Speeches - Speeches - Ronald Reagan ...	326.8 KB	Complete	100%		
Great Speeches - 1Winston Churchill - So muc...	1,698 KB	Need More So...	0%		



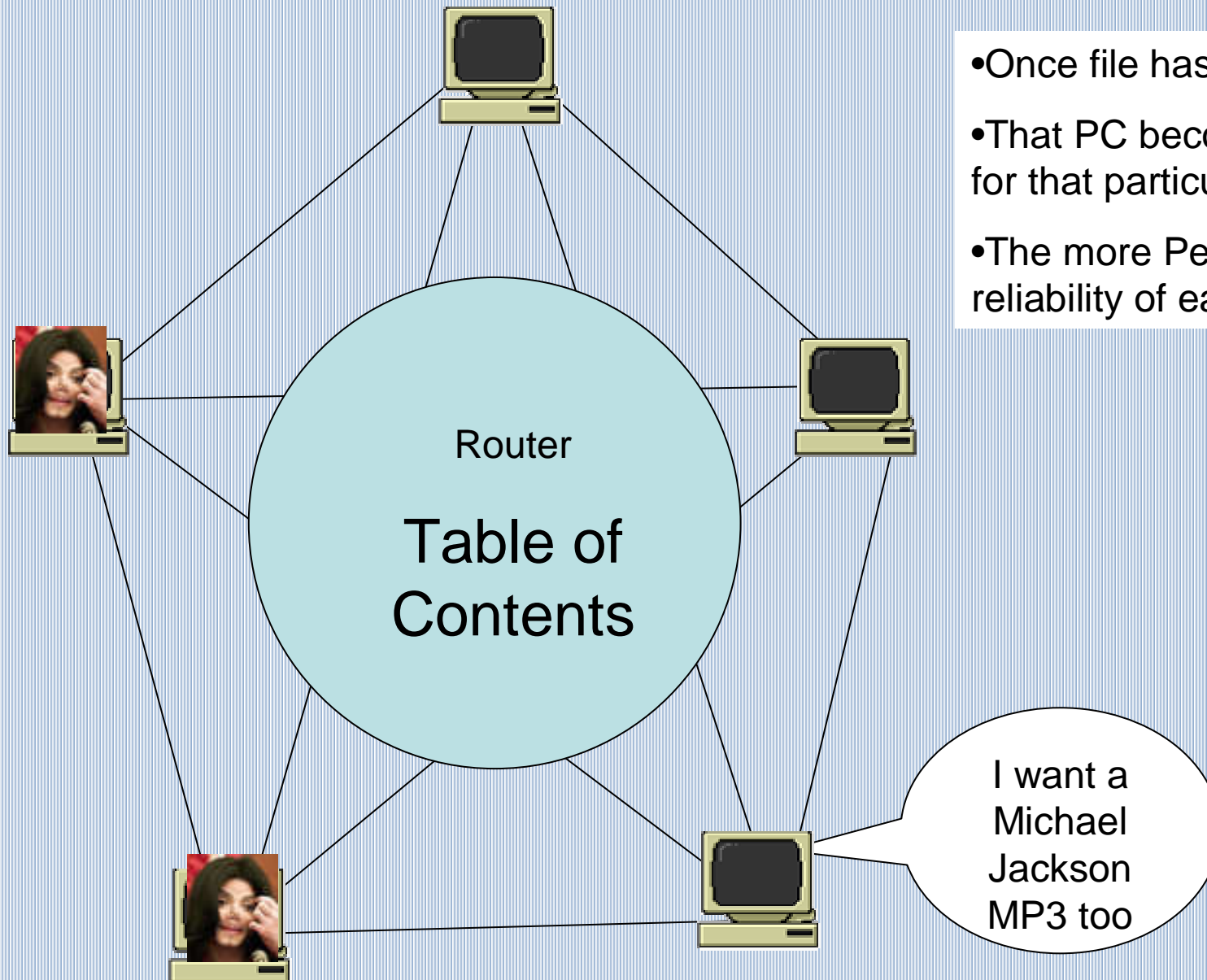
Peer to Peer – how is information stored?

- Information is not stored on a Server
- Only a Table of Contents
- Info is sourced directly from the hard drives of those online, in the network.
- All info is encrypted making it hard to track.





Peer to Peer – How is information transmitted?



- Once file has been downloaded.
- That PC becomes a file server for that particular file.
- The more Peers the greater reliability of each request.

I want a
Michael
Jackson
MP3 too